PSNA

COLLEGE OF ENGINEERING AND TECHNOLOGY

DINDIGUL – 624 622

APPROVED BY AICTE, NEW DELHI

AFFILIATED TO ANNA UNIVERSITY, CHENNAI

Estd : 1984

'Kalvi Thanthai'
Founder

NAAC - SELF STUDY REPORT
CYCLE 1

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

(An Autonomous Institution of the University Grants Commission)

JULY 2016

NAAC- SELF STUDY REPORT (SSR)
For Accreditation
Cycle 1

Submitted to

**The Director,
National Assessment and Accreditation Council,
P. O. Box No. 1075,
Nagarbhavi,
Bangalore -560072, Karnataka,
India**

JULY 2016

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Chair Person

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Coordinator

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Dr. N. Chandrasekaran, Prof., Dept of EEE

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ABBREVIATIONS

ACM	Association for Computing Machinery
AICTE	All India Council of Technical Education
BE	Bachelor of Engineering
BEC	Business English Certificate
BME	Bio Medical Engineering
BSNL	Bharat Sanchar Nigam Limited
B.Tech	Bachelor of Technology
CAT	Common Aptitude Test
CIVIL	Civil Engineering
CGPA	Cumulative Grade Point Average
CHEM	Chemistry Department
CO	Course Outcome
CSE	Computer Science and Engineering
CSI	Computer Society of India
DRDO	Defense Research and Development Organization
DST	Department of Science & Technology
EPF	Employees Provident Fund
ECE	Electronics and Communication Engineering
EDC	Entrepreneurship Development Cell
EEE	Electrical and Electronics Engineering
FACE	Focus Academy of Career Enhancement
FDP	Faculty Development Program
GATE	Graduate Aptitude Test in Engineering
GMAT	Graduate Management Admission Test
GPA	Grade Point Average
GQ	Government Quota
GRE	Graduate Record Examinations
HoD	Head of the Department
HRA	House Rent Allowance
HSC	Higher Secondary Class
ICT	Information and Communication Technology
IE	Institute of Engineers
IEEE	Institute of Electrical and Electronic Engineers

IETE	Institution of Electronics and Telecommunication Engineers
IPR	Intellectual Property Right
ISTE	Indian Society for Technical Education
IT	Information Technology
Maths	Mathematics Department
Mech.	Mechanical Engineering
MBA	Master of Businees Administration
MCA	Master of Computer Applications
MNC	Multi National Companies
MoU	Memorandum of Understanding
MQ	Management Quota
NBA	National Board of Accreditation
NPTEL	National program on Technology Enhanced Learning
NSS	National Service Scheme
OPAC	Online Public Access Catalogue
PEO	Program Educational Objective
PHY	Physics Department
PO	Program Outcome
PSNACET	PSNA College of Engineering Technology
R & D	Research & Development
RO	Reverse Osmosis
SAE	Society of Automotive Engineers
TANCET	Tamil Nadu Common Entrance test
TNPSC	Tamil Nadu Public Service Commission
VUE	Visual Understanding Environment

PREFACE

PSNA college of Engineering and Technology (PSNACET) is a premier institution in Tamilnadu of high standard. It was established in 1984 at the outskirts of Dindigul township. Thiru. R. S. Kothandaraman, Founder, started this institution for technical education as a response to the clarion call made by the public for a quality engineering institution in this part of south Tamil Nadu. It had a humble beginning, but has grown from strength to strength in infrastructure and other facilities. Now, it has spread over 150 acres of serene and green cover. It is now being administered by Sri Rengalatchumi Educational Trust with Tmt. K. Dhanalakshmi as its Chairperson, Rtn. R.S.K. Raguraam as Pro-Chairman and Mr. R.S.K. Sukumaran as Vice-Chairman.

PSNACET was started with three engineering UG Courses with 180 student intake. At present, it offers 7 UG courses and 8 PG courses in Engineering along with MCA and MBA courses with a student strength of 5649. PSNACET, since its inception, has established itself as a quality institution catering to the entire cross section of student community in this region. To further strengthen its quality practices and teaching and learning process, it went for accreditation in 2002 and got all its UG courses accredited for a period of 3 years by NBA, New Delhi.

With this strong foundation, our institution has been making rapid strides in academic performance, infrastructure development, employability of its graduates, staff welfare, service to the society, strengthening its industry institution interaction, and research and extension work. These sincere efforts were well appreciated by the National Board of Accreditation (NBA), when the institution went for a renewal of accreditation in the year 2006 and in the year 2013. The NBA, New Delhi has accredited the following departments ECE, EEE, CSE, IT, BME for five years MCA for three years and CIVIL, MECH for two years-the highest recognition that NBA awards to a standard, quality engineering institution.

Educational scenario is dynamic and new technologies emerge every day. Educational institutions need to accommodate these changes and tune their students accordingly. PSNACET extends every support in this regard and train the students with global standards. The standard and quality of education maintained in our Institution has attracted foreign students also. At present, we have students from Nepal, Bhutan, Sudan and Srilanka. The details about the curricular, co-curricular and extracurricular activities of the college to groom the students as a responsible citizen of our country are explained in detail in the Self Study Report.

With a sense of fulfillment and anticipation, the institution has volunteered for the prestigious NAAC Accreditation to further enhance the standards of quality, in terms of performance, related to the educational processes and outcomes, covering the curriculum, teaching-learning, evaluation, faculty, research, infrastructure, learning resources, organization, governance, financial well being and student services. This process has helped the self-assessment on both quantity (increased access) and quality (relevance

and excellence of academic programmes offered) of higher education. This is a kind of introspection that provides us space to know our strengths, weaknesses, opportunities and challenges in imparting quality technical education.

We fervently hope that this report would bring out a precise but holistic account of the institution. We extend our earnest welcome to the expert committee of NAAC to assess the facilities available in our institution.

PSNA
College of Engineering and Technology
(Approved by AICTE, Accredited by National Board of Accreditation, New Delhi
& Affiliated to Anna University, Chennai)
Best Engineering College Award - 2007 by ISTE, New Delhi

Estd : 1984

'Kalvi Thanthai'
Thiru. R.S. Kothandaraman
Founder

Dr. V. Soundararajan B.E., M.E., Ph.D.,
Principal

Date: 02.08.2016

To
The Director
Southern Region- NAAC
P. O. Box No. 1075
Nagarbhavi
Bangalore- 560 072

Sir
Sub: PSNA College of Engineering and Technology-NAAC Accreditation Cycle I -
Track Id: TNCOGN26503 -Submission of SSR- reg.

  With reference to the subject cited above, the college submitted the Letter of Intent (LoI) on 14.07.2016 and it was accepted on 22.07.2016. In this context, we herewith submit the Self Study Report (SSR) in 5 copies and a soft copy in CD for your perusal and further action.

Thanking you

Signature of the Head of the institution with seal

EXECUTIVE SUMMARY

PSNACET is one of the pioneer Institutions offering quality education in Engineering and Technology in Tamil Nadu with high reputation. The college has well groomed itself over 32 years. The college has prepared the Self-Study Report for Cycle-I of accreditation by NAAC by covering all and every aspect of functioning of the Institution.

CRITERIA-WISE SUMMARY

Criteria-wise documentation has been prepared for NAAC accreditation. The seven criteria as per the NAAC format are presented. This document focuses the aspects which have direct impact on teaching-learning, research, community development and the holistic development of the students of the Institution.

CRITERION I: CURRICULAR ASPECTS

The College being affiliated to Anna University, Chennai follows the curriculum and syllabi prescribed by the University. However, the College devises innovative and creative methods for the delivery of the curricula. The college practices different techniques to achieve the set outcomes for each course and the overall attainment of the outcomes of each program by internalizing the needs of the primary stakeholders – the students and by keeping the expectations of other stake holders such as employers, parents and teachers. The gaps in curriculum are identified and bridged through value added courses and extending the contents of the course beyond the prescribed syllabi. The content of the value added courses are designed in consultation with leading industries and companies. Faculty, who are members of the Boards of Studies of Anna University utilize their experience and expertise in suggesting valuable modifications in the University syllabi, in the interests of the students and the prospective employers.

CRITERION II: TEACHING – LEARNING AND EVALUATION

The details pertaining to teaching- learning and evaluation are presented in this section. The admission is done through Management Quota (35%) and TNEA single window counseling system (65%). A student-centric learning process is followed as prescribed by the University. Eminent persons from premier institutes (IIT, NIT, etc)/ industry from various fields are invited to deliver guest lectures to supplement the curriculum. Students are encouraged to utilize e-learning facilities such as NPTEL video lectures, video lectures of our own members of faculty and e-journals using digital library. A counseling system has been formulated to provide psycho-social guidance to the needy students.

The teachers' quality is improved by conducting faculty development programmes, workshop, and seminar by inviting eminent persons as guests.

The faculty members are encouraged to attend the conferences, seminars and workshops to enhance their technical knowledge. Benefits such as vacation leave, earned leave, EPF, Group Insurance are provided to attract and retain the faculty members. The institution secured first rank out of 527 colleges in two consecutive years 2012-13 and 2013-14 interms of number of rank holders. A transparent process is adopted in conducting the three internal assessment examinations and after evaluation; students are given a chance to verify the same. Slow learners are identified through internal assessment test and counseled. The remedial classes are also arranged to improve their performance. An effective feedback mechanism is devised to ensure the proper teaching-learning and evaluation processes. The teaching learning process is monitored by the concerned organizational hierarchies such as the principal, academic dean, head of the department, class committee, and tutors.

CRITERION – III: RESEARCH, CONSULTANCY AND EXTENSION

The institution nurtures the minds of the students and faculty members with innovations through unstinted encouragement and contributions by the Research Committee by adopting various strategies and efforts. The students are empowered with creativity and innovation through exposure to various activities like Seminar, Workshop, Internships, Conference, value added courses etc organized through various societies like IEEE, ISTE, CSI, ASME, SAE, IE, under R&D.

The research culture of the institution is improved in various aspects. 86 Faculty members had completed PhD under part-time in the last four years and 130 faculty members are pursuing PhD. A number of grants are received from various funding agencies like AICTE, DST, DRDO, DBT, and Tamil Nadu Pollution Control Board, Tamil Nadu State Council for Science and Technology etc. to establish the facility and to carry out projects under different thrust area of the departments. The faculty members are encouraged to publish their findings in the reputed SCI/Scopus indexed national and International journals and conferences. Through this initiative, the h-index of the college has increased well. The students are encouraged to involve in mini projects. 183 numbers of programmes are organized across departments to enrich the knowledge in state-of-art technologies. The institution has generated good revenue under consultancy through departments. The institutional needs of various ERPs are developed through in-house software development team, thereby the students gain experience in project development.

The institution is collaborating with 70 industries/institutions to share the expertise and tools to make the students employable. Besides, the institution has very good extension activities in order to increase the social responsibility of the students through NSS, HELPS, Blood Donors Club, YRC, Rotract etc. These kinds of extension activities facilitate to produce socially responsible citizens for the society.

CRITERION – IV: INFRASTRUCTURE AND LEARNING RESOURCES

The institution sprawls over an area of 150 acres with built-up area of 1, 11,073 sq.m. All the departments have exclusive blocks and / or buildings. The instructional area, amenities area, circulation area and administrative area are available as per the norms declared by AICTE. The institution has central, well furnished auditoriums, indoor stadium in addition to exclusive department seminar halls for co-curricular activities. The college has excellent infrastructure for sports, outdoor and indoor games. The available infrastructure for curricular, co-curricular and extra-curricular activities is in-line with the academic growth.

Well equipped hostel facility for boys and girls with gym, computing facility, library, Internet and Wi-Fi, campus security, constant supply of water and uninterrupted power supply, transport, medical care are available.

Central Library is equipped with large volumes of text/reference books, journals, OPAC, reprography, ILL etc. to cater the needs of the students. The institution has 2010 computers and Internet services with dedicated leased line bandwidth of 256 Mbps. The management allocates sufficient fund and human resources for both upgrading and maintaining the infrastructure resources. The institution has complete power backup to cater the electrical needs of the entire campus. Constant supply of RO purified drinking water, good transport, bank, ATMs, sewage water treatment are also available.

CRITEION V: STUDENT SUPPORT AND PROGRESSION

The institution vision is committed to empower rural background and economically weaker sections of society by providing support to the students. PSNACET provides all the welfare measures such as scholarships, freeships and student safety insurance scheme to ensure a financially trouble free environment. Complete waiver of tuition fee, hostel fee to the sports quota students is provided. Support for competitive examinations like GATE, GRE, TOFEL, TANCET etc., career counselling, soft skills training, and entrepreneurial skills to enhance the employable opportunity of the students is in practice. An active placement cell headed by an able placement officer ensures that training for on-campus and off-campus interviews and infrastructure to ensure smooth placement process. PSNACET has grievance redressal, Anti sexual harassment, Anti ragging cells to address the corresponding issues. The alumni association provides a platform for alumni to interact with the alma mater regularly. The Institution takes up measures to monitor the slow learners and drop out students through effective tutor-ward system and professional counselor. Several Students Chapters like ISTE, IE, IETE, IEEE, CSI, ASME, SAE and nine department associations have been established to develop and nurture leadership qualities among the students. Participation in several co-curricular and extracurriculuar activities are encouraged.

CRITERION VI: GOVERNANACE, LEADERSHIP AND MANAGEMENT

The vision, mission and quality policy of the institution are well defined and self – explanatory. A well organized and structured process is in place to attain the stated vision, mission and the goals, which is being monitored at various levels. The overall functioning of the college is governed by the governing council headed by the management. The principal administers the day-to-day processes of the college. Next to the principal in the hierarchy are the Deans, the Heads of various departments, the registrar, the faculty and the non-teaching: technical and non-technical staff to look after academic and administrative aspects. The librarian, physical director and the placement officer report directly to the principal.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

The institution has adopted various measures to maintain a green campus which helps in developing an eco-balanced environment inside the campus with trees and beautiful lawns. Usage of solar panels, rainwater harvesting, sewage water treatment plant, drip water sprinklers, energy saving measures etc., demonstrate well the greenery concept followed in the campus. The institution also ensures environmental consciousness in the minds of the students by conducting environmental awareness programmes by various clubs like HELPS club, Rotract, NSS etc. from time to time. The two best innovative practices that the institution follows to enhance the quality are training & placement and improving research potential of faculty members. The tremendous and noteworthy placement record, more number of faculty members completed the doctoral degree, increased research publications and funding from external agencies are the evidences for the best practices followed by the institution.

SWOC ANALYSIS

STRENGTHS

- A green sylvan campus spread over 150 acres with built up area of 1,11,073 sq.m. 5649 Students, 425 Faculty members with 107 Ph.D. holders and 335 Supporting Staff.
- Individual academic blocks for each department with self contained computer labs and department libraries, apart from central facilities.
- All UG Engineering programmes and MCA are accredited by National Board of Accreditation (NBA), New Delhi. The institution became a proud recipient of National Level Best Engineering College award in 2007.
- All core departments are approved research centers of Anna University, Chennai to pursue Ph.D/M.S programmes.
- In the year 2012, it was ranked 8th at national level and 4th at state level in a joint survey conducted by All India Council for Technical Education and Confederation of Indian Industry for the engineering colleges who are best performers in collaborating with industries in terms of governance, curriculum, infrastructure, faculty and placement.
- One of the top institutions in the state in producing large number of university rank holders.
- 2010 networked terminals with 256 Mbps internet connectivity.
- Offering value added programmes & certificate courses in all departments.
- Strong industry institution interaction.
- Excellent placement records.
- Human Resource and Development Cell (HRDC) comprising Entrepreneur Development cell, Continuing Education Cell, Placement Cell & Industry-Institution Interaction cell for students is established to prepare the students placement ready.
- Excellent sports infrastructural facilities to the extent of conducting International and National events (TIES).
- Offers scholarship to the students who excel in sports and games.
- HT supply backup capacity generators of 380 kVA, 500 kVA, 250 kVA and 125 kVA. Guest House, Alumni Guest House, Free Medical Aid, Ambulance, Bank extension counter with 24 hours ATM facility.
- Eco-friendly and amiable working atmosphere.
- Ragging free Campus.
- Approved Nodal Agency by Government of Tamil Nadu for Rural Youth Development and School dropouts.
- Occupational Training Centre (approved by ISTE and supported by BOSCH).
- Governement of India – Ministry of New Renewable Energy has awarded the certificate of appreciation for the effective utilization CST system for the year 2016.
- Awarded 20th rank in top 100 self finance engineering college's survey made by Higher Education review in 2016.
- HELPS (Healing Environment Levitating Passion among Society) club to create awareness on energy to society.

WEAKNESSES

- Majority of students are from rural areas with Tamil as the medium of instruction in school.
- Lack of academic autonomous status.
- Consultancy activities and research funding.
- Students opting for higher studies and start-ups.

OPPORTUNITIES

- Being one of the top higher educational institutions in this part of the state, the institution attracts talented human resources and students.
- Increased number of industry tie-ups and openings.
- To become an autonomous institution.
- Growth of industries both in service and manufacturing sectors, create jobs

CHALLENGES

- Competing with other higher engineering educational institutions.
- Catering to and training the heterogeneous group of students.
- Obtaining research project funding, intellectual property rights and patents.
- To develop the communication skill and assertiveness among students.
- Changing social and economic scenario, leading to unpredictable future interms of placement and admission.
- Coping up with rapidly increasing expectations of the industry.
- Placements in core companies.

PROFILE OF THE INSTITUTION

Founder of this prestigious institution Thiru.R.S.Kothandaraman, hailed from a village, Pacheri near Thiruppachethi in Sivaganga district of Tamilnadu. It was started in a humble way with 3 undergraduate engineering programmes with 180 students' intake under Sri Rangalatchumi Educational Trust.

Now it offers 7 Under Graduate and 9 Post Graduate programmes with a students' intake of 5649. The vision of preparing quality professional manpower for tomorrow is being realized through higher academic achievements and placement records of our students.

The relentless pursuit of excellence by all stakeholders has brought in the pride of place for the institution in the higher technical education. The contributions of the benign Management- Tmt.K.Dhanalakshmi, Chairperson (Madame Founder) and Rtn. R.S.K. Raguraam, Pro-Chairman, Mr. R.S.K. Sukumaran, Vice-Chairman, their sons, are immeasurable. The role of our late Co-Chairman, Dr. R.S.K. Laksshmana Prabhu in bringing in the name, fame and visibility of the institution is incomparable.

The programmes offered in this institution have been accredited by National Board of Accreditation – New Delhi since 2002. The institution became a proud recipient of National Level Best Engineering College award in 2007. In the year 2012, it was ranked 8th at national level and 4th at state level in a joint survey conducted by All India Council for Technical Education and Confederation of Indian Industries to identify the engineering colleges who are best performers in collaborating with industries in terms of governance, curriculum, infrastructure, faculty and placement. In the same year, it became the second topper in the state by securing 169 university ranks and 09 gold medals among Anna University affiliated engineering colleges. Our institution obtained a total of 157 ranks and 159 ranks among 527 engineering colleges affiliated to the Anna University, Chennai during the academic years 2012-13 and 2013-14 respectively.

The college affairs are managed by 700 strong staff, out of which 425 are members of faculty with 107 of them having Ph.D. qualifications. The college functions with 9 core and 4 supporting departments and nine research centers recognized by the affiliating university. All departments are well equipped with facilities adequate to carry out research work besides the regular teaching and learning assignments.

With the idea of bringing out industrial exposure and establishing the scope for research and placement opportunities to the students, 70 MoUs have been signed and Research centers have been established in collaboration with top industries. The students in India, by and large, are inundated with plenty of choices at the higher education level due to the steady rise in educational institutions. The parameters which enable an aspirant to demarcate a good institution from the rest – there are the award of accreditation given by NBA of AICTE, New Delhi and the Best Engineering College Award given by

ISTE, New Delhi. AICTE-CII also ranked PSNACET, in 8th at all India level and in 4th at the Tamil Nadu State level for its best practices – industries – institute collaboration, governance, curricula, infrastructure, faculty and placement in 2014.

The college has shown appreciable progress in research, projects, consultancy, and industry- and institution interaction. Year after year, it could bring in MNCs in IT sector and other hardcore sectors for the placement of a large number of students. Our students are so trained that they not only excel in academics, but also extracurricular activities. To facilitate the students in sports, the college has developed 26 playfields, an indoor stadium, and three gyms with all modern facilities. 127 students who are good at sports, both boys and girls, get 100% subsidized education here. Many of them represent the affiliating university and national teams.

Infrastructure

PSNACET never shrinks from investing in infrastructure and other facilities. The total built-up area is 1, 11,073 sq.m. and it includes 10 academic blocks, 10 hostel blocks, library, Human Resource Development cell, air-conditioned auditoriums, cafeteria, guest house, state-of-the art indoor stadium and play grounds. There is a centralized computer centre with 232 systems and the entire campus is networked with 2010 systems.

The instituion houses a modern library with both hard and soft reading sources. It stacks 88405 volumes on 38355 titles. It subscribes to 2626 international and 121 national journals. It also stacks 2978 e- books and back issues of all journals and magazines. It is a member of British Council Library, American Information Centre, Tata Energy Research Institute, New Delhi, AICTE–INDEST Consortium, American Marketing Association (AME), American Society of Mechanical Engineers (ASME), American Society of Civil Engineers (ASCE), and Anna University Library -Chennai.

Modern Facilities

Apart from being a Wi-Fi enabled campus, the institution offers round-the clock internet leased line connectivity for its students with 256 mbps (1:1) bandwidth. There are Sri Rangalatchumi and Civil-Mechanical air-conditioned auditoriums with seating capacity of 550 and 350 respectively. These apart, there are nine well-equipped air-conditioned seminar halls for conducting International and National academic programmes such as seminars, Symposia, Workshops and placement activities. To rejuvenate our students and members of the staff with conventional and fast food, a cafeteria functions inside our campus. For the comfort of visitors and parents, an air-conditioned guest-house with lift-service is housed inside the campus. Two ATM centres (Vijaya Bank and Axis Bank) are installed along with an extension counter of Axis Bank for the benefit of students and members of the staff.

Research

The institution gives utmost importance to research and all the departments are approved as research centres of Anna University for pursuing Ph.D/ M.S. by research programmes. Almost all departments have entered to lucrative collaborative research projects with leading MNCs and the details of the same are as follows.

All Departments have signed MoU's with various industries in order to provide industrial training, guest lectures, job opportunities, and opportunities to carry out project works for students.

Apart from collaborative research projects, various funded projects are also being carried out. The institution sponsors 2 crores of rupees for 127 students who are admitted under sports quota during the academic year 2013-2014,2014-2015 and 2015-2016 by waiving off entire tuition fee and hostel/mess fee for all the four years.

Enviable placement record: More than 80 % of the students have been consistently placed in leading MNCs for the past five years. In the current year, 1065 offer letters have been provided to the students by the various industries, which include MNCs like CTS, TCS, iNautix, Wipro etc. The alumni of the college have occupied very high positions at national and international level organizations.

SECTION B: PREPARATION OF SELF-STUDY REPORT

1. Profile of the Affiliated / Constituent College

1. Name and Address of the College:

Name :	PSNA College of Engineering & Technology	
Address :	Kothandaraman Nagar, Dindigul	
City :	Dindigul Pin : 624622	State : Tamil Nadu
Website :	www.psnacet.edu.in	

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. V. Soundararajan M.E., Ph.D.	0451 - 2554404	9443163 841	0451 2554329	principal@psnace t.edu.in
Vice Principal	-	-	-	-	-
Steering Committee Co-ordinator	Dr.P.Jaganathan, Ph.D	0451 - 2554418	9486949 875	0451 2554329	hodmca@psnacet .edu.in

3. Status of the Institution:

Affiliated College ✓

Constituent College

Any other (specify)

4. Type of Institution:
   a. By Gender
      i. For Men
      ii. For Women
      iii. Co-education ✓
   b. By Shift
      i. Regular ✓
      ii. Day
      iii. Evening

5. It is a recognized minority institution?

Yes

No ✓

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

Not Applicable

6. Sources of funding:

Government

Grant-in-aid

Self-financing ✓

Any other

7. a. Date of establishment of the college: 24/09/1984

   b. University to which the college is affiliated /or which governs the college (If it is a constituent college) | Anna University, Chennai |

   c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	Not Applicable	-
ii. 12 (B)	Not Applicable	-

   (Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

   d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/ Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
First Approval Engineering	F.No. 45-58/92-AICTE/4129	August 24, 1993	1993-1994	-
First Approval MBA	F.No.45-2/BII/BOS(M)/94/2569	March 31, 1994	1994-1996	-
First Approval MCA	F.No.TN-47/MCP-CS/98	September17,1998	1998-1999	-
Latest Approval	Southern / 1-2811457679 / 2016 / EOA	25, April 2016	2016-2017	-
Latest Approval	Southern / 1-2811154407 / 2016 / EOA	25, April 2016	2016-2017	-
Latest Approval	Southern / 1-2811082714 / 2016 / EOA	25, April 2016	2016-2017	-

   (Enclose the recognition/approval letter)

अखिल भारतीय
तकनीकी शिक्षा परिषद्

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

D-47, N.D.S.E., PART-I NEW DELHI-110049

F.No.45-58/92-AICTE

August 24, 1993

To,

The Secretary
Education Department
Government of Tamil Nadu
Fort St. George
Madras 600 009

Subj: AICTE approval to the PSNA College of Engineering & Technology, Dindigul, Tamil Nadu

Sir,

I am directed to state that on the basis of the recommendations of the Expert Committee of the the Southern Regional Committee (SRC), the All India Council for Technical Education (AICTE) has granted approval to the PSNA College of Engineering & Technology, Dindigul, Tamil Nadu for conduct of the following existing four year Degree courses with the annual intakes indicated against each during the academic year 1993-94 only:-

Civil Engineering   60 (Sixty)
Mechanical Engineering   60 (Sixty)
Electronics & Communication Engineering   60 (Sixty)

This approval is subject to fulfilment of the following conditions:-

1) The marginal deficiency of 298.54 sq.mtrs. in building space should be made good to meet the requirements of AICTE.

2) The deficiencies in regard to laboratories and equipment should be rectified by the College.

3) The number of Computer terminals should be increased to meet the requirement of AICTE norms. The space for the Computer centre should also be increased to 100 sq.mtrs. UPS System has to be provided for the Computer centre.

4) The library titles should be increased to meet the AICTE norms. The College should subscribe for more journals of technical nature of national and international repute to fulfill the AICTE norms.

5) The cadre of Associate Lecturer should be abolished and the lowest cadre in the teaching faculty should be Lecturer as per AICTE norms.

24.8.93

F.No.45-58/92-AICTE

6) The College should make immediate arrangements to provide training regarding conducting of experiments from Regional Engineering Colleges etc. to the teaching staff of the College. The teachers should also be provided with laboratory manual.

7) AICTE scales of pay should be implemented for all the teaching staff of the College.

8) Recurring expenditure per student per year should be brought up to AICTE norms of Rs. 11,515/- from the year 1992-93 onwards.

9) The Governing Council of the Collge should be reconstituted as per the guidelines of AICTE.

10) All admissions should be made as per the norms and guidelines of the AICTE as adopted by the State of Tamil Nadu.

11) The tuition and other fees should be charged as prescribed by the State Government within the overall criteria prescribed by the AICTE from time to time. No capitation fees should be charged from the students/ guardians of the students in any form.

12) The accounts of the Institute should be audited by a Chartered Accountant and should be open for inspection by the AICTE or anybody authorised by it.

13) The teaching and other staff should be recruited according to the procedure, guidelines and experience prescribed by the AICTE.

14) No new course should be started without the prior approval of the AICTE.

15) The intake in any of the approved courses should not be altered under any circumstances without the prior concurrence of the AICTE.

This approval is subject to full compliance with the provisions of the SCHEME as prescribed by the Supreme Court of India in its Judgment dated 4-2-1993 on Writ Petition (C) No. 607 of 1992.

The Management should strictly follow any further conditions as may be laid down by the AICTE from time to time.

24.8.93

F.No.42-58/92-AICTE

Copy for information and necessary action to:

1) The Regional Officer, Ministry of Human Resource Development, Department of Education, Southern Regional Office, 26, Haddows Road, Madras-600 006 with a request that the visit of a Team to the Institute should be arranged by the end of academic year 1993-94 and the Southern Regional Committee and the AICTE be kept informed about the fulfillment of the conditions as stipulated.

2) Shri N. Kasturiya, Dy. Educational Adviser (T), MHRD, Northern Region, 1-A, Lakshman Bagh, Mamabgan:, Kanpur-208 002

3) Shri M.M. Choudhry, Asst. Educational Adviser (T), MHRD, Eastern Region, 5 Esplande East, Calcuta-700 069

4) Shri Mohan Dass N., Asst. Educational Adviser (T), MHRD, Western Region, Industrial Assurance Building, 2nd Floor, Nariman Road, Opp: Churchgate Railway Station, Bombay-400 020

5) The Director of Technical Education, Government of Tamil Nadu, Guindy, Madras-600 025.

6) The Director, PSNA College of Engineering & Technology, Pappanampatti-624 708 Tamil Nadu

7) The Deputy Adviser (E), Planning Commission, Yojna Bhavan, Parliament Street, New Delhi-110 001.

8) Shri G.D. Awale, JEA (T), Department of Education, 'C' Wing, Shastri Bhavan, New Delhi-110 001.

9) The Registrar, Madurai Kamraj University, Madurai-625 021

10) The Director, Board of Apprenticeship Training (Southern Region), CIT Campus, Taramani, Madras- 600 013.

11) The Principal, TTTI, Taramani, Madras-600 113.

12) The Programme Director, ISTE, IIT Campus, Mauz Khas, New Delhi-110 016.

13) TD.1 (Survey Unit), Department of Education, 'C' Wing, Shastri Bhavan, Dr. Rajendra Prasad Marg, New Delhi.

14) Survey Unit (AICTE).

15) Guard file for sanctions (AICTE)

(B.L. 24.8.93
Under Secretary (Tech)

F.No.49-58/92-AICTE

In the event of non-compliance by the Trust or the Institute with the above conditions of the AICTE, the AICTE will be free to take measures for withdrawal of its approval without consideration of any related issues and that all the consequent liabilities would be that of the Trust and/or the Institute.

An Expert Committee of the AICTE will visit the College by the end of the academic year 1993-94 to review the progress made in fulfilling the conditions laid down by the AICTE and recommend continuation of the AICTE approval or otherwise.

You are requested to kindly take appropriate action to implement the decision of the AICTE and communicate the progress made in this regard to the Southern Regional Office of the AICTE under intimation to this Office.

Yours faithfully,

24.9.91

(B.L. RAMA)
Under Secretary (Tech)

MBA

अखिल भारतीय
तकनीकी शिक्षा परिषद्
(भारत सरकार का एक विधिक सस्थान)
इंदिरा गांधी स्पोर्टस कॉम्पलेक्स, आई॰ पी॰ एस्टेट
नई दिल्ली - 110 002
दूरभाष : 3326673, 3326689

ALL INDIA COUNCIL FOR
TECHNICAL EDUCATION
(A STATUTORY BODY OF THE GOVERNMENT OF INDIA)
Indira Gandhi Sports Complex, I.P. Estate,
New Delhi - 110 002
Phone . 3326673, 3326689

F.No.45-7/BII/BOS(M)/94 2569

Registered
March 31st 1994

To,

Secretary
Department of Education
Govt. of Tamilnadu
Fort St. George Secretariat
Madras – 500 009

Subject: Approval to the PSNA College of Engg. & Tech, Dindugal
to conduct the course MBA.

Sir,

I am directed to state that on the recommendations of
the Task Force for Management Education the All India Council for
Technical Education, New Delhi has accorded approval to the
conduct of following programmes at the PSNA College of Engg. &
Tech, Dindugal of S&L. Edn.

Course   :Master of Business Administration

Annual Intake   :40(Full time)-2yrs

Period of Approval :94-96

The approval is subject to the fulfillment of the conditions
as per Annexure.

You are requested to kindly take necessary action in the
matter and keep the Southern Region, AICTE, Madras and this
office informed of the progress made in this regard.

Yours faithfully,

(Shefali Gautam)
Assistant Director

ANNEXURE

CONDITIONS FOR APPROVAL (P)

1. There shall be a separate Governing Council for the Institution and it shall be consituted as per the guidelines prescribed by the AICTE from time to time.

2. The infrastructural, instructional and other facilities including teaching staff, equipment etc. shall be provided as per AICTE norms prescribed from time to time.

3. A building with required space as per AICTE norms shall be provided exclusively for this programme.

4. A library shall be established with adequate number of titles, books, journals (both Indian & Foreign) etc.

5. A computer Centre with adequate number of terminals, Printers etc. shall be established.

6. No new course(s) shall be started and no increase shall be made in intake of these courses without prior approval of the AICTE.

7. The teaching staff shall be in the pay-scales as per the AICTE guidelines prescribed from time to time.

8. The faculty shall be recruited as per norms, procedure, qualifications etc. as prescribed by the AICTE from time to time and the selection committee for recruitment shall have the representation of the University and the AICTE also.

9. The admissions shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE, Govt. of India & NAAC & that affiliation of the University has since been obtained.

10. The tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the AICTE from time to time.

11. The administrative, academic and financial records including accounts shall be maintained for this Programme. The accounts shall be audited annually by a Chartered Accountant and all the records and reports shall be open for inspection by the AICTE or anybody authorised by it.

12. The curriculum of the course, the procedure for evaluation/ assessment of students shall be in accordance with the norms prescribed by the AICTE.

(P)

13. The Management shall follow all conditions as may be laid down by the AICTE from time to time and a registered legal undertaking to this effect shall be submitted to the AICTE by July 1994.

14. The endowment fund of Rs 10 lacs/- shall be created exclusively for the above programme and fixed deposit receipt shall be in the combined name of the Society and Nominee of the State Govt.

15. The institute by virtue of the approval given by AICTE shall not automatically become claimant to any financial grant or assistance from the Central or State Government.

16. The information furnished in respect of the proposal shall be factual and correct. In the event of any information found to be false, misleading or suppressed the approval accorded may be withdrawn by the AICTE.

17. The institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards. The progress report on fulfilment of the above conditions as on 31st December, and 31st May of each year shall be submitted by the Institution to the AICTE during 1994-96.

18. This approval is further subject to full-compliance with the "SCHEME" as prescribed by the Supreme Court in its judgement dated 4.2.93 with regard to WP(c) No. 607 of 1992 in the case of Unnikrishnan and others etc. vs. State of Andhra Pradesh and others etc. and the related guidelines and criteria as may be issued by the AICTE, UGC or the Central Government from time to time.

19. In the event of non-compliance by the Society with regard to guidelines, norms and conditions laid down by AICTE from time to time, the AICTE or a body or person authorised by it will be free to take measures for withdrawal of its approval without consideration of any related issues and that all liabilities arising out of such a withdrawal would solely be that of the concerned Society.

20. An Expert Committee of this Council shall visit the institute during 1994-96 to verify the compliance of the conditions as laid down above and to make necessary recommendations for further extension of AICTE approval to the conduct of the course.

Shefali Gautam

(Shefali Gautam)
Assistant Director

Copy to :-

1. Regional Officer MHRD, Member Secretary, SRC, AICTE, Shastri Bhawan 26-Haddows Road, Madras - 600 006

    He is requested to kindly monitor the compliance with the conditions as laid down in this approval letter and keep the AICTE informed of the same. A specific Undertaking should be taken from the institute on non-judicial stamp paper with regard to the fulfillment of the conditions as laid down in this letter and sent to AICTE, New Delhi in original for record.

2. The Director of Technical Education, Govt.of Tamil Nadu,Guindy,Madras-25

    He is requested to kindly monitor the compliance with the conditions as laid down in this approval letter and keep the AICTE informed of the same. *Sc,Tech and*

3. The Principal, PSNA College of Management, Muthana Dindigul -624622

4. To The Registrar, Madurai Kamaraj University, Madurai -625c

5. The Deputy Adviser (E), Planning Commission, Yojana Bhawan, _____ Street, New Delhi - 110 001.

6. Shri S.D. Amale, JEA(I), Department of Education, Shastri Bhavan, Dr. Rajendra Prasad Marg, New Delhi-1.

7. Shri Vijay Bharat, DEA(I), Department of Education, Shastri Bhavan, Dr. Rajendra Prasad Marg,New Delhi-1.

8. The Programme Director, Indian Society for Technical Education,IIT Campus,New Mehrauli Road,New Delhi-16.

9. TD.I (Survey Unit), Department of Education, Shastri Bhavan, Dr. Rajendra Prasad Marg, New Delhi-1.

10. Survey Unit (AICTE).

11. Guard file (AICTE).

Shefali Gautam

(Shefali Gautam)
Assistant Director

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक संस्थान) (A STATUTORY BODY OF THE GOVERNMENT OF INDIA)

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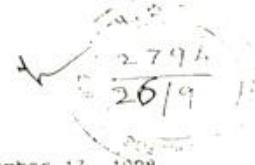
Prof. B.G. Sangameshwara
Adviser

F.No.TN-47/MCP-CS/98   September 17, 1998

The Secretary,
Education Department,
Govt. of Tamil Nadu
Secretariat, Fort St. George
Chennai- 600 009. (T.N.)

Sub: Approval for MCA (Full Time) programme to P.S.N.A. College of Engg. &
Tech., Dindigul - 624 622.

Sir,

        I am directed to state that on consultations with the concerned State Govt.
and the affiliating University and on recommendations of the sub-committee of
the concerned All India Board for Computer Science and the Expert Committee
constituted by the Council, the All India Council for Technical Education
(AICTE) is pleased to accord approval to P.S.N.A. College of Engg. & Tech.,
Dindigul - 624 622. for conducting MCA Full Time programme with an annual intake
of 30 for the academic session 1998-99.

TITLE AND DURATION OF COURSE	ENTRY LEVEL	ANNUAL INTAKE	PERIOD OF APPROVAL
Master in Computer Application (MCA) 3 years Full Time (Day programme)	Bachelors Degree in any discipline with mathematics as compulsory subject at 10+2 level.	Thirty (30)	1998-99

The approval is subject of fulfillment of specific conditions as enlisted in
Annexure - II and General Conditions as enlisted in Annexure-I

Further in the event of non-compliance of the Norms and Standards as stipulated
by the AICTE, the Council shall take further action to withdraw approval and the
liability arising out of such withdrawal shall be solely that of the
Management/Institute.

The Council may inspect/visit the Institute any time it may deem fit to note
progress/compliance.

Contd\2...

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली - 110 002
Indira Gandhi Sports Complex, I.P. Estate, New Delhi - 110 002
Phone : 3379010/11/12/13/15/16/17/18, Fax : 011-3379002

The attention of the Management is drawn to the fact that the approval given now is only for the batch admitted during 1998-99, at the end of which an Expert Committee shall visit to assess if the Norms and Standards as stipulated by AICTE are fulfilled, and only then will the continuation or otherwise shall be intimated.

You are requested to kindly monitor the progress made by the above mentioned Institute for fulfillment of the Norms and Standards of the Council and keep the concerned Regional Office and AICTE, New Delhi informed.

Yours faithfully

(B.G. Sangameshwara)

Copy to :-

1. The Director of Technical Education, Govt. of Tamil Nadu, Madras - 600 025.
2. The Registrar, Madurai Kamaraj University, Palkalainagar, Madurai - 625 021
3. The Principal, P.S.N.A. College of Engg. & Tech., Dindigul - 624 622.
4. The Regional Officer, Southern Regional Office, 26, Haddows Road, Madras - 600 006. (T.N.)
5. Guard file. AICTE.

(B.G. Sangameshwara)
Adviser

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi– 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Southern/1-2611457679/2016/EOA

Date: 25-Apr-2016

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

PRINCIPAL
PSNA College of Engg & Tech
Dindigul-624 622

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2611457679
Name of the Institute	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY , DINDIGUL	Permanent Id	1-5796161
Name of the Society/Trust	SRI MANGALATCHUMI EDUCATIONAL TRUST	Institute Address	KOTHANDARAMAN NAGAR, MUTHANAMPATTI (PO), DINDIGUL - 604 622, DINDIGUL, DINDIGUL, Tamil Nadu, 604622
Institute Type	Unaided - Private	Society/Trust Address	ADDRESS I NO.1C, MARIAMMAN KOIL STREET, VIRUGAMBAKKAM WEST KK NAGAR CHENNAI ADDRESS II SRI MANGALATCHUMI EDUCATIONAL TRUST, 9,DC PILLAI NAGAR, MURUGA BAVANAM DINDIGUL,DINDIGUL,DINDIGUL, Tamil Nadu,624619

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2611457679			Course	Affiliating Body		Intake 2015-16	Intake Approved for 2016-17	NRI Approval Status	PIO / FN / Gulf quota Approval Status	Foreign Collaboration/Twinning Program Approval Status
Program	Shift	Level		Full/Part time						

Application Number: 1-2611457679
Note: This is a Computer generated Report.No signature is required.

Printed By: AE3603125

Page 1 of 4
Letter Printed On:29 April 2016

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	APPLIED ELECTRONICS	FULL TIME	Anna University, Chennai	25	25	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	25	25	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE & ENGINEERING(NETWORKS)	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ENGINEERING DESIGN	FULL TIME	Anna University, Chennai	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	POWER ELECTRONICS AND DRIVES	FULL TIME	Anna University, Chennai	25	25	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	STRUCTURAL ENGINEERING	FULL TIME	Anna University, Chennai	36	36	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI DESIGN	FULL TIME	Anna University, Chennai	36	36	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	BIOMEDICAL ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	Yes	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Anna University, Chennai	300	300	NA	Yes	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	240	240	NA	Yes	NA

PRINCIPAL
P.S.N.A College of Engg & Tech
Dindigul-624 622

Application Number: 1-2011482679
Note: This is a Computer generated Report.No signature is required.

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Page 3 of 4
Letter Printed On:09 April 2016

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	120	120	NA	Yes	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	ELECTRONICS & COMMUNICATI ON ENGG	FULL TIME	Anna University, Chennai	360	360	NA	Yes	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	180	180	NA	Yes	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	300	300	NA	Yes	NA

The above mentioned approval is subject to the condition that PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY , DINDIGUL shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

Course(s) Applied for Closure by the Institute for the AY 2016-17:

Application Id: 1-2811487878			Name of the Course	Full/Part Time	Affiliating Body	Course Closure Status
Program	Shift	Level				
ENGINEE RING AND TECHNOL OGY	1st Shift	POST GRADUAT E	REMOTE SENSING : (Last Approved Intake 18)	FULL TIME	Anna University, Chennai	Pending$

$ due to non submission of NOC's from University / Board and / or State Government

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

PRINCIPAL
PS.N.A College of Engg & Tech.
Dindigul-624 622

Application Number: 1-2811487878
Note: This is a Computer generated Report/No signature is required.

Page 3 of 4
Letter Printed On 26 April 2016

Printed By : AE3623125

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:
1. The Regional Officer,
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu

2. The Director Of Technical Education,
   Tamil Nadu

3. The Registrar,
   Anna University, Chennai

4. The Principal / Director,
   PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY , DINDIGUL
   KOTHANDARAMAN NAGAR
   MUTHANAMPATTI (PO)
   DINDIGUL - 624 622
   DINDIGUL,DINDIGUL,
   Tamil Nadu,624622

5. The Secretary / Chairman,
   SRI RANGALATCHUMI EDUCATIONAL TRUST
   ADDRESSI
   NO.16, MARIAMMAN KOIL STREET, VIRUGAMBAKKAM
   WEST KK NAGAR
   CHENNAI

   ADDRESS II
   SRI RANGALATCHUMI EDUCATIONAL TRUST,
   3.OG.PILLAI NAGAR,
   MURUGA SAVANAM,
   DINDIGUL,
   DINDIGUL,DINDIGUL,
   Tamil Nadu,624910

6. Guard File(AICTE)

PRINCIPAL
P.S.N.A College of Engg & Tech
Dindigul- 624 622

Application Number: 1-2611437676
Note: This is a Computer generated Report.No signature is required.

Page 4 of 4
Letter Printed On 28 April 2010

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All India Council for Technical Education
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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/63/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F No. Southern/1-2611154407/2016/EOA

Date: 25-Apr-2016

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai- 600009

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time. I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2611154407
Name of the Institute	PSNA COLLEGE OF ENGINEERING & TECHNOLOGY - MBA PROGRAMME	Permanent Id	1-5604351
Name of the Society/Trust	SRI RANGALATCHUMI EDUCATIONAL TRUST	Institute Address	KOTHANDARAMAN NAGAR MUTHANAMPATTI (PO) DINDIGUL 624 622, DINDIGUL, DINDIGUL, Tamil Nadu, 624622
Institute Type	Unaided - Private	Society/Trust Address	ADDRESS 1 NO 16, MARIAMMAN KOIL STREET, VIRUGAMBAKKAM WEST KK NAGAR CHENNAI ADDRESS 2 9 O C PILLAI NAGAR MURUGABAVANAM DINDIGUL, DINDIGUL, DINDIGUL, Tamil Nadu, 624016

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id 1-2611154407	Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf	Foreign Collaboration/Twinning Program

Application Number: 1-2611154407
Note: This is a Computer generated Report No signature is required.

Printed By : AE7266851

PRINCIPAL
P.S.N.A College of Engg & Tech
Dindigul-624 622
Letter Printed On 26 April 2016
Page 1 of 3

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 2372415/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Program	Shift	Level								
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Anna University, Chennai	120	120	NA	Yes	NA

The above mentioned approval is subject to the condition that PSNA COLLEGE OF ENGINEERING & TECHNOLOGY . - MBA PROGRAMME shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:
1. The Regional Officer,
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu

2. The Director Of Technical Education,
   Tamil Nadu

3. The Registrar,
   Anna University, Chennai

4. The Principal / Director,
   PSNA COLLEGE OF ENGINEERING & TECHNOLOGY . - MBA PROGRAMME
   KOTHANDARAMAN NAGAR
   MUTHANAMPATTI (PO)
   DINDIGUL
   624 622.
   DINDIGUL,DINDIGUL,
   Tamil Nadu,624622

5. The Secretary / Chairman,
   SRI RANGALATCHUMI EDUCATIONAL TRUST
   AADDRESS I

   NO 16, MARIAMMAN KOIL STREET,

PRINCIPAL
P.S.N.A College of Engg & Tech
Dindigul-624 622

Application Number: 1-2611764407
Note: This is a Computer generated Report.No signature is required.

Printed By: AET288851

Page 2 of 3
Letter Printed On:28 April 2016

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151\525354\55\56\57 FAX: 011-23724183 www.aicte-india.org

VIRUGAMBAKKAM ,
WEST KK NAGAR,
CHENNAI

ADDRESS II

S.O.C.PILLAI NAGAR,
MURUGABAVANAM,
DINDIGUL,
DINDIGUL,DINDIGUL,
Tamil Nadu,526010

6.   Guard File(AICTE)

PRINCIPAL
P&N A College of Engg & Tech
Dindigul 624 622

Application Number: 1-2091134467
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Letter Printed On:28 April 2015

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Southern/1-2811082714/2016/EOA

Date: 05-Apr-2016

To,

The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2811082714
Name of the Institute	PSNA COLLEGE OF ENGINEERING & TECHNOLOGY - MCA PROGRAMME	Permanent Id	[illegible]
Name of the Society/Trust	SRI RANGALATCHUMI EDUCATION TRUST	Institute Address	KOTHANDARAMAN NAGAR, MUTHANAMPATTI P.O. DINDIGUL - 624622, DINDIGUL, DINDIGUL, Tamil Nadu, 624622
Institute Type	Unaided - Private	Society/Trust Address	ADDRESS I NO 18, MARIAMMAN KOIL STREET, VIRUGAMBAKKAM, WEST KK NAGAR, CHENNAI ADDRESS II V.O.C.PILLAI NAGAR, MURUGABAVANAM, DINDIGUL, DINDIGUL, DINDIGUL, Tamil Nadu, [illegible]

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the Intake indicated below for the academic year 2016-17

Application Id: 1-2811082714	Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	[illegible]	[illegible]	[illegible]

PRINCIPAL
P.S.N.A College of Engg & Tech
Dindigul - 624 622

Application Number: 1-2811082714
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Letter Printed On:[illegible] April 2016

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Program	Shift	Level								
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Anna University, Chennai	126	120	NA	NA	NA

The above mentioned approval is subject to the condition that PSNA COLLEGE OF ENGINEERING & TECHNOLOGY - MCA PROGRAMME shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-India.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:
1. The Regional Officer,
   All India Council for Technical Education
   Shastri Bhawan 26, Haddows Road
   Chennai - 600 006, Tamil Nadu

2. The Director Of Technical Education,
   Tamil Nadu

3. The Registrar,
   Anna University, Chennai

4. The Principal / Director,
   PSNA COLLEGE OF ENGINEERING & TECHNOLOGY - MCA PROGRAMME
   KOTHANDARAMAN NAGAR,
   MUTHANAMPATTI PO
   DINDIGUL -624622.,
   DINDIGUL, DINDIGUL,
   Tamil Nadu,624622

5. The Secretary / Chairman,
   SRI RANGALATCHUMI EDUCATION TRUST
   ADDRESS I

   NO 16, MARIAMMAN KOIL STREET,
   VIRUGAMBAKKAM ,

PRINCIPAL
P.S.N.A College of Engg & Tech
Dindigul-624 622

Application Number: 1-2511082714
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Letter Printed On 28 April 2011

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8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes ☑   No ☐

If yes, has the College applied for availing the autonomous status?

Yes ☐   No ☑

9. Is the college recognized?

a. by UGC as a College with Potential for Excellence (CPE)?

Yes ☐   No ☑

If yes, date of recognition: …………………… (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes ☑   No ☐

If yes, Name of the agency - AICTE and NBA

Date of recognition:

Sl. No	Programme name	Date of recognition	AICTE /NBA
1	Engineering Programme	F.No. 45-58/92-AICTE/4129 Dated on 24/08/ 1993	AICTE
2	MBA Programme	F.No.45-2/BII/BOS(M)/94/2569 Dated on 31/03/1994	AICTE
3	MCA Programme	F.No.TN-47/MCP-CS/98 Dated on 17/09/1998	AICTE
4	B.E CIVIL	F.No. 33-96/2010-NBA dated 30.09.2013	NBA – Accredited for 2 years from 2013
5	B.E MECH.	F.No. 33-96/2010-NBA dated 30.09.2013	NBA – Accredited for 2 years from 2013
6	B.E ECE	F.No. 33-96/2010-NBA dated 30.09.2013	NBA – Accredited for 5 years from 2013
7	B.E.EEE	F.No. 33-96/2010-NBA dated 08.02.2014	NBA – Accredited for 5 years from 2013
8	B.E.CSE	F.No. 33-96/2010-NBA dated 30.09.2013	NBA – Accredited for 5 years from 2013
9	B.Tech.IT	F.No. 33-96/2010-NBA dated 30.09.2013	NBA – Accredited for 5 years from 2013
10	B.E. BME	F.No. 33-96/2010-NBA dated 08.02.2014	NBA – Accredited for 5 years from 2013
11	MCA	F.No. 33-96/2010-NBA dated 08.02.2014	NBA – Accredited for 3 years from 2013

10. Location of the campus and area in sq.mts:

Location *	Rural
Campus area in sq. mts.	6,27,263
Built up area in sq. mts.	1,11,073

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

✓ Auditorium/seminar complex with infrastructural facilities: | ✓ | 12 |

✓ Sports facilities - play ground: | ✓ | 26 |

✓ swimming pool | X |

✓ gymnasium: | 4 |

✓ Hostel | ✓ |

∗Boys' hostel | ✓ |
i. Number of hostels | 6 |

ii. Number of inmates | 1684 |

iii. Facilities (mention available facilities)

     Mess hall, Recreation room with audio visual facilities, DTH Connected TV, Internet, Gym and Wi-Fi facilities.

∗Girls' hostel | ✓ |
i. Number of hostels | 2 |

ii. Number of inmates | 1258 |

iii. Facilities (mention available facilities)

     Mess hall, Recreation room with audio visual facilities, DTH Connected TV, Internet, Gym and Wi-Fi facilities.

∗ Working women's hostel – Nil
i. Number of inmates
ii. Facilities (mention available facilities)

✓ Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise) - Nil

✓ Cafeteria — | ✓ |

✓ Health centre – | ✓ |

✓ First aid, Inpatient, Outpatient, Emergency care facility, Ambulance…….
Health centre staff – | ✓ |

Qualified doctor   Full time ☐   Part-time ✓

Qualified Nurse   Full time ☐   Part-time ✓

- ✓ Facilities like banking, post office, book shops ✓

- ✓ Transport facilities to cater to the needs of students and staff ✓

- ✓ Animal house   X

- ✓ Biological waste disposal ✓

- ✓ Generator or other facility for management/regulation of electricity and voltage ✓

- ✓ Solid waste management facility ✓

- ✓ Waste water management ✓

- ✓ Water harvesting ✓

12. Details of programmes offered by the college (Give data for current academic year)

SI. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
1.	Under-Graduate	B.E. - Civil Engineering	4 Years	10+ 2 Level	English	300	282
2.		B.E. - Mechanical Engineering	4 Years	10+ 2 Level	English	300	295
3.		B.E. - Electronics and Communication Engineering	4 Years	10+ 2 Level	English	300	264
4.		B.E. - Electrical and Electronics Engineering	4 Years	10+ 2 Level	English	120	125
5.		B.E. - Computer Science and Engineering	4 Years	10+ 2 Level	English	240	236
6.		B.Tech - Information Technology	4 Years	10+ 2 Level	English	180	149
7.		B.E - Bio-Medical Engineering	4 Years	10+ 2 Level	English	60	64
1.	Post-Graduate	M.E - Applied Electronics	2 Years	B.E	English	25	5
2.		M.E - Computer Science and Engineering	2 Years	B.E	English	25	17

3.		M.E - Computer Science and Engineering(with Specialization in Networks)	2 Years	B.E	English	18	9
4.		M.E - Engineering Design	2 Years	B.E	English	18	2
5.		M.E - Power Electronics and Drives	2 Years	B.E	English	25	7
6.		M.E - Structural Engineering	2 Years	B.E	English	36	32
7.		M.E - VLSI Design	2 Years	B.E	English	36	20
8.		MBA	2 Years	Any Degree	English	120	120
9.		MCA	3 Years	B.Sc., B.C.A.,	English	120	4
			2 Years				107

13. Does the college offer self-financed Programmes?

Yes ☑   No ☐

If yes, how many?   16

14. New programmes introduced in the college during the last five years if any?

Yes	☑	Number of Programmes	2	No	☐

1. M.E.- Engineering Design
2. M.E. - Structural Engineering

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	UG	PG	Research
Science	-	-	-
Arts	-	-	-
Commerce	-	-	-
Professional (Engineering, Technology & MCA/MBA) B.E / B.Tech Under Graduate M.E / M.Tech / M.C.A/M.B.A	7	9	8

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com…)

   a. annual system [   ]

   b. semester system [16]

   c.trimester system [   ]

17. Number of Programmes with

   a. Choice Based Credit System   [Nil]

   b. Inter/Multidisciplinary Approach   [Nil]

   c. Any other (specify and provide details)   [Credit Based System]

18. Does the college offer UG and/or PG programmes in Teacher Education?

   Yes [   ]   No [✓]

   If yes,

   a. Year of Introduction of the programme(s)…………-……- [   ] (dd/mm/yyyy) and number of batches that completed the programme

   b. NCTE recognition details (if applicable)
   Notification No.: ………………… Date: … (dd/mm/yyyy)
   Validity:………………………

   c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

   Yes [   ]   No [✓]

19. Does the college offer UG or PG programme in Physical Education?

   Yes [   ]   No [✓]

   If yes, [   ]

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching Faculty						Non-Teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government *Recruited*	-	-	-	-	-	-	-	-	-	-
Yet to recruit	-	-	-	-	-	-	-	-	-	-
Sanctioned by the Management/ society or other authorized bodies *Recruited*	35	11	41	10	179	149	210	53	67	5
Yet to recruit	-	-	-	-	-	-	-	-	-	-

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	33	11	21	4	21	17	107
M.Phil.	-	-	3	0	24	45	72
PG	2	0	17	6	134	87	246
Temporary teachers							-
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

22. Number of Visiting Faculty /Guest Faculty engaged with the College.

Nil

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2012-13		2013-14		2014-15		2015-16	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	69	85	86	80	106	81	101	74
ST	1	0	4	0	3	1	2	0
OBC	745	601	720	626	834	686	868	648
General	37	25	40	31	48	25	11	5
Others	24	8	28	5	28	6	23	6

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	5176	323	-	-	5499
Students from other states of India	35	-	-	-	35
NRI students	0	-	-	-	0
Foreign students	115	-	-	-	115
Total	5326	323	-	-	5649

25. Dropout rate in UG and PG (average of the last two batches)

UG 3%   PG 4%

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component Rs.367860490 / 5648 =65131.10

(b) Excluding the salary component **Rs. 11, 22,20,195/5648 = 19869.10**

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes ☐   No ✓

If yes,

a) is it a registered centre for offering distance education programmes of another University

Yes -   No ✓

b) Name of the University which has granted such registration.

Not Applicable

c) Number of programmes offered   Nil

d) Programmes carry the recognition of the Distance Education Council.

Yes -   No ✓

28. Provide Teacher-student ratio for each of the programme/course offered

Sl. No	Programme Name	Teacher Student Ratio
1	B.E CIVIL	1:15
2	B.E MECH.	1:14.53
3	B.E ECE	1:15
4	B.E.EEE	1:15
5	B.E.CSE	1:15.6
6	B.Tech.IT	1:14
7	B.E. BME	1:20
8	MBA	1:15
9	MCA	1:15
10	ME-SE	1:15
11	ME-ED	1:12
12	ME-AE	1:12.5
13	ME-VLSI	1:12
14	ME- PED	1:12
15	ME-CSE	1:12.5
16	ME-CSE With Networks	1:12

29. Is the college applying for

Accreditation: Cycle 1 [✓]   Cycle 2 [ ]   Cycle 3 [ ]
Cycle 4 [ ]

Re-Assessment: [ ]

(Cycle 1refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1:……………… (dd/mm/yyyy) Accreditation Outcome/Result………

Cycle 2:……………… (dd/mm/yyyy) Accreditation Outcome/Result……......

Cycle 3:………………(dd/mm/yyyy) Accreditation Outcome/Result……......

   * **Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.**

31. Number of working days during the last academic year.

262

32. Number of teaching days during the last academic year
   (Teaching days means days on which lectures were engaged excluding the examination days)

242

33. Date of establishment of Internal Quality Assurance
Cell (IQAC) IQAC   - 02.07.2016

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to
NAAC.   Nil

AQAR (i) ……………… (dd/mm/yyyy)
AQAR (ii)……………… dd/mm/yyyy)
AQAR (iii)……………… dd/mm/yyyy)
AQAR (iv) ……………… (dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include. Do not include explanatory/descriptive information)
   - The NBA, New Delhi has accredited the following departments; ECE, EEE, CSE, IT, BME for five years MCA for three years and CIVIL, MECH for two years-the highest recognition that NBA awards to a standard, quality engineering institution.
   - AICTE-CII ranked PSNACET, in 8th at All India level and in 4th at the Tamil Nadu State level for its best practices – industries – institute collaboration, governance, curricula, infrastructure, faculty and placement in 2014.
   - 70 MoUs have been signed and Research centres have been established in collaboration with top industries.
   - More than 80 % of the students have been consistently placed in leading MNCs for the past five years.
   - In the current year, 1065 offer letters have been provided to the students by the various industries includes MNC's like Wipro, CTS, TCS, iNautix, Wipro etc.,
   - Our institution obtained a total of 157 University ranks and 159 University ranks among 527 engineering colleges affiliated to the Anna University, Chennai during the academic years 2012-13 and 2013-14 respectively.
   - Bharatiya Vidya Bhavan National Award for an Engineering College for the Best overall performance for the year 2007.

CRITERION I

CURRICULAR ASPECTS

PSNA College of Engineering and Technology, Dindigul being an institution affiliated to Anna University Chennai, adopts the curriculum and syllabi prescribed by the affiliating University. However, the College devises innovative and creative methods for the delivery of the syllabi. Internalizing the needs of the primary stakeholders – the students – and keeping in sight the expectations of other stake holders, teachers practice different techniques to achieve the set outcomes for each course and the overall attainment of the outcomes of each programme. Faculty members are encouraged to attend Faculty Development Programmes organized by the University and the institution, to improve their knowledge and teaching skills. The identified gaps in curricula are bridged by value added courses and extending the contents of the course beyond the prescribed syllabi. The content of the value added courses are designed in consultation with leading industries and companies. Faculty, who are members of the Boards of Studies utilize their experience and expertise in suggesting valuable modifications in the University syllabi, in the interest of the students and the prospective employers.

1.1   Curriculum Planning and Implementation

1.1.1   State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision

- To provide world class engineering education for individuals to become technologically superior, socially conscious and responsible citizens for the welfare of mankind.

Mission

- To achieve academic excellence by imparting knowledge and skills through problem solving, practical training and design & development of innovative projects.
- To develop leadership and inter disciplinary team skills through effective communication training and inculcating ethical behaviour.
- To carry out applied research in Engineering & Technology and facilitate life-long learning.

Communication

The Vision, Mission and the Objectives of the college are disseminated to the students, teachers, staff and other stakeholders in the following ways:
- The Vision and Mission are displayed in the main corridors of all the departments.
- It is also communicated through prospectus, college calendar, e-souvenirs of internal symposia, conference, workshop, etc.
- It is also displayed in the college website and spread through advertisements of the college.
- It is also highlighted in the orientation programmes, intercollegiate fests, parent-teacher meet and other important gatherings.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

The institution meticulously develops action plans for effective implementation of the curriculum. At the outset, the academic council of the college conducts protracted meetings with various department heads and members to develop strategies for effective implementation of the curriculum. Teachers use innovative teaching methods such as presentations, assignments, discussions, seminars, NPTEL videos, Mission10x session plan method apart from regular/traditional chalk and talk methods. The detailed process is as given below:

- Curriculum and syllabus are prescribed by the University.
- Allocation of the subjects to the faculty is done based on qualification of the faculty, area of specialization, experience and their willingness.
- Teaching plans (Lesson plans) are prepared by teachers individually for the subjects they handle, including labs within the ambit of the academic schedule. The academic schedule is strictly followed as per the almanac.
- Lesson plans are prepared well before the commencement of the semesters by the members of faculty which includes
  - Course objectives
  - Session plan
  - Content beyond the Syllabus to bridge the gap in curriculum
  - Textbooks and reference books
  - Web resources link to NPTEL Videos link
  - Topics of innovative teaching and the methods used
- Detailed course files are prepared by the faculty which includes
  - Syllabus with text and reference books
  - Course Outcomes (CO)
  - Lesson Plan with Course Delivery methods
  - Time Table
  - Nominal roll of students
  - University Question Papers
  - Question Bank
  - Power point presentations
  - Serial Tests /Model Exam Mark Statements
  - Serial Tests Question papers with answer keys
  - Assignment question papers
  - Sample answer scripts
  - Sample assignments
- Each student is provided with a copy of the curriculum.
- Students are also provided with the academic calendar and the same is followed with some required changes to cater to the local situations if needed.
- Tentative academic schedule is prepared before the commencement of each semester based on the guidelines given by Anna University. Based on this, an academic calender is prepared and circulated to the departments.

- The academic schedule includes details like assignment submission, internal assessment test, college functions, study material process etc.
- The progress of syllabus coverage is monitored on monthly basis by higher officials.
- The faculty who handles the subject maintains the Class attendance register (Log Book) which contains entries like topics covered attendance, serial test marks, assignment mark, seminars handled by students. The log books are scrutinized by the Head of the Departments and the Principal.
- In addition to the curriculum, students are educated about the latest developments in their respective fields through guest lectures by industry experts, industrial visits etc.
- Feedback is obtained from the students twice in a semester to enhance the teaching-learning process.
- Regular Class Committee meetings are conducted by the Head of the Department to review the teaching learning process, academic progress of the students, grievances if any, and suitable remedial measures are taken as and when necessary.
- Anna University has set outcomes for individual courses (CO) and programmes (PO). At the end of each semester, CO-PO mapping is drawn by the course teachers in order to analyze the effective deployment the curriculum.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

The institution follows the curriculum prescribed by the Anna University. The institution provides text books and reference books for ready reference for all courses prescribed in the syllabus. Sufficient time duration is allocated to complete the entire syllabus. The curriculum is well transacted to the students after serious preparation by the faculty. Being an affiliated institution, we are always updated with the latest norms and guidelines prescribed by the affiliating university. Edusat programmes are offered by Anna University on selected courses. The institution encourages the faculty to keep themselves updated by enrolling for refresher courses, orientation programmes and workshops to keep knowledge and teaching aptitude of the teachers updated.

The college provides ample books and other teaching and reference materials like Journals, Magazines and Softwares to enable its teachers to ensure effective delivery of the curriculum. The institution enhances the ability of the teachers to effectively translate the curriculum in the following manner.

- Bridge course training.
- Class rooms with ventilation, lighting, fans and required number of tables and chairs based on the strength of the students.
- LCD / OHP projectors are provided in each classroom to cover the prescribed syllabus in time.

- The members of the faculty are encouraged to attend National and International symposia and conferences and present their research findings.
- The institution encourages the faculty to pursue higher studies through the Quality Improvement Programme and take up the research work individually or in collaboration.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- Well planned academic calendar with necessary instructions are given to all the students at the beginning of the semester with all the norms and assessment schemes.
- Providing question banks, printed observations for circuit branches, pre-lab and post -lab questions and model question papers.
- Transparency in assessment of students' academic performance.
- The college faculty members are using the modern teaching aids such LCD / OHP projectors to supplement their class room lectures by preparing PPT and video lectures.
- All the faculty members are adept in using modern teaching resources like NPTEL, digital library, etc.
- In addition to the regular subject classes, the college also organizes special lectures by inviting experts from various fields to share their knowledge and expertice with the students.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

The institution has a Placement Cell which networks and interacts with the representatives of industry. The HR managers and industry professionals are invited to the campus to interact with the students on career challenges and opportunities.

MoUs are signed between the departments and related industries/research organizations for effective transfer of technical knowledge to the students and to relate the theoretical knowledge to direct application. The details of the MoUs signed are in the following table:

S.No.	Year	No. of MoUs signed
1	2012	18
2	2013	19
3	2014	18
4	2015	15

The details about the MoUs signed are available in section 3.7.2.

To enrich the knowledge of students, to meet the content beyond the syllabus and to gain knowledge on the recent trends, regular workshops, guest lectures and seminars by eminent industry personalities are conducted. More

than 115 guest lectures, workshops and seminars have been arranged for the past four years. The information about guest lectures, workshops and seminars are detailed in section 2.3.6.

As a part of industry academia interface, periodic industrial visits and educational tours are organized for the students to bridge the gap between academia and corporate. Around 34 industrial visits have been arranged for the past four years. The details about industrial visits are given in section 2.3.4.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc).

As an affiliated Institute, we are bound by the curriculum designed and deployed by the Anna University, Chennai. Specific suggestions received from different stakeholders are analyzed and conveyed to the university to consider the same in their Board of Studies meetings. In practical subjects, the college initiates the conduct of additional experiments which are not included in the given syllabus.

At the end of each semester, teacher feedback as well as students' feedback about the course is collected. Through HRD cell, industrial inputs are also compiled and communicated to the following list of our faculty members who are in the panel of Anna University, Chennai Board of Studies. They in-turn present these ideas in the Board of Studies meeting.

S.No.	Department	Faculty Name (Anna University Board of Studies)
1	Civil Engineering	Dr. N. Mahendran
2	Mechanical Engineering	Dr. D. Vasudevan
		Dr. G. Magudeeswaran
3	Electronics and Communication Engineering	Dr.G.Athisha
4	Computer Science Engineering	Dr. D. Shanthi
5	MBA	Dr. S. Manimaran
6	MCA	Dr. P. Jaganathan
7	Physics	Dr. G. Natarajan
8	Chemistry	Dr. K. Vijaya

1.1.7. Does the institution develop curriculum for any of the courses offered (Other than those under the purview of the affiliating university) by it? If 'yes', give details on the process (Needs Assessment, design, development and planning) and the courses for which the curriculum has been developed.

The college being affiliated to Anna University, Chennai has to execute the curriculum designed by the University. However, in order to enhance the teaching – learning process and also to fill the gaps that exist

between the prescribed syllabi and the employers' expectations, value added courses are designed and offered to the students in the pre- final and final year of study. The departments have three underlying motives for offering value added courses:

The Anna University syllabus is found inadequate in certain areas and has to be supplemented to enable the student to acquire holistic knowledge. Students should be exposed to the current and recent advances in their area of study. Students should be completely primed for fulfilling the needs of the prospective employers.

Converting the motives into objectives, value added courses are framed and executed. For the past four years, 39 value added courses have been conducted and more than 4500 students got training through these courses. The information about value added courses are detailed in section 2.2.3.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

Each department has a set of framed objectives for its curriculum and the college has deployed various mechanisms to ensure that the stated objectives of the curriculum are achieved during the course of its implementation. These are enumerated below:

- The faculty in-charge of the course communicates the course objectives and outcomes to the students at the beginning of the course.
- Class Committee meetings are held twice in a semester to keep track of the progress of the course and the assessment tools employed by the teacher for effective teaching and evaluation. The reports of the class committee meetings are reviewed by the concerned head of the department and consultations are made with the course in-charges to setright pitfalls if any.
- The student level is gauged at the beginning of the semester and slow learners are helped with extra coaching to help them join the main stream without much time lag.
- Middle and end semester feedbacks are obtained from all the students for the courses undergone with respect to the content delivery and course outcomes. This evaluation tool is used in augmenting the teaching–learning process and enhancing the skills of the teacher.
- The exit survey by the outgoing students on the effectiveness of the programme has a major role in redefining the objectives for the courses and the programme.
- Employer feedback, wherever possible is gathered and put to use in realizing the objectives of the programme.
- The programme assessment committee ensures that the course outcomes are realized and correlated with programme outcomes.
- The Academic council plans and executes strategies for sustained development of the programme.

The following tools are deployed to measure the achievement of the stated objectives.

Direct Measures	Indirect Measures
Three Serial Tests University Examination	Student Seminars Tutorials Assignments

1.2 Academic Flexibility

1.2.1. Specifying the goals and objectives give details of the certificate / diploma / skill development courses etc., offered by the institution.

In order to realize the Vision and achieve the Mission of the college, the college has to go extra miles in the academic road. Hence, designing and offering courses to bridge the gap between the University prescribed syllabus and the knowledge level required, certificate courses and skill development courses are offered to the students to boost their level of employability and research capabilities.

The following table lists such courses offered at PSNA CET.

S. No.	Department	Name of the value added course	Goals	Objectives
1.	Civil	Piping technology	To involve with design, procurement and construction	To know about the piping fundamental and pipe fittings
		Revit Structure and Auto cad Structural Detailing (Building Information Modelling)	To enhance the employability of Students	To provide training on 3D modeling, Designing and Digital protyping concept to enhance the ability of students.
2.	Mech.	Manufacturing process- Stamping, Injection moulding and Die casting.	To have hands on experience in manufacturing process	Industry institute interaction
		Training on calibration	To have hands on experience in calibration	Industry institute interaction
3	EEE	Basics of Automation	To make the students adaptable for changing Industrial Technologies in the field of Industrial Automation.	Given a SIEMENS S7-1200 PLC trainer kit and students will be able to describe the basic programing for Industrial Automation processes.

		Basics of Process Instrumentation	To make the students adaptable for changing Industrial Technologies in the field of Industrial Instrumentation.	Given a SIEMENS Pressure, Flow, Level and Temperature transmitters and students will be able to describe and understand the parameterization needed for process control devices.
		Basics of AC Drives	To make the students adaptable for changing Industrial Technologies in the field of Industrial Drives.	Given a SIEMENS SINAMICS G-120 AC Drive and students will be able to control the speed of the given test motor under various control methods.
4	ECE	C,C++ Training	To become well knowledged in C & C++ Language.	Given handouts to the students, More practice for writing C, C++ programs
		Placement training-FACE Training	To get shortcuts for solving aptitude	Given training materials, more practice for technical skills
		One day Hardware Training on signal Analyzer	To become well - qualified signal analyzer	Given Kit for signal analyzer, students can able to describe basic information about signal processing
		ADS software Training & Hardware measurement	To become well - qualified in High frequency Signal	Given various kit for students to know about smith chart, various losses during transmission
		LABVIEW Awareness Programme for III year & IV Year students	To get visual programming knowledge	Given training in LAB VIEW software
		FACE Training programme for IV year students	To get shortcuts for solving aptitude	Given training materials,more practice for technical skills
		Add on course in LABVIEW module II for final year students	To get visual programming knowledge	Given training in LAB VIEW software
		Add on course in LABVIEW module I for final year students	To get visual programming knowledge	Given training in LAB VIEW software

5	CSE	Oracle certified Associate	To cultivate industry-supported skills and credentials that will be able to transfer to future employment opportunities.	Deliver the basic concept of oracle to the students which will be able to understand the core idea of oracle environment and fulfill the needs of company in oracle side.
		Oracle database 10g : workshop I	To become well - qualified database engineers	Students will gain a conceptual understanding of the Oracle database architecture and how its components work and interact with one another.
		Java Programming language, Java SE6, 1.1	To create Java technology applications that leverages the object-oriented features of the Java language, such as encapsulation, inheritance, and polymorphism.	•Describe the key features of Java technology. •Write, compile, and run a simple Java technology Application. •Describe the function of the Java Virtual Machine (JVM). •Define garbage collection.
		EMC Academic Associate-Cloud Infrastructure and Services	To understand the requirement of Information Storage Management & Cloud Computing requirements.	Given the wide range of cloud infrastructure and services environment to the students, able to understand the basic concept of cloud computing techniques.
6	IT	D-Link certified switching Professional	To become well - qualified network engineers	Given a LAN/WAN configuration scenario, students will be able to describe the basic networking processes used for communication across Local Area Networks, Wide Area Networks and the Internet.
		TCS Specific Training Programme By M/s. APT Training Resources, Chennai	To solve Aptitude related problems and succeed in Placement	Give Training and list of Aptitude solving methods, tools.

		Learning Skills By M/s. Maxires, Chennai	To enhance soft skills	Give learning skills like communicative English, Body language and Resume preparations.
		Microsoft .Net	To become well qualified Microsoft technology Specialist	For individuals who want to distinguish themselves by demonstrating in-depth knowledge and expertise in a specific Microsoft technology, including implementing, building, troubleshooting, and debugging, particularly on Windows 7 or Server 2008.
		Red Hat Enterprise Linux	To achieve the RHCSA certification	Focuses on actual competencies at system administration, including installation and configuration of a Red Hat Enterprise Linux system and attach it to a live network running network services.
		CCNA	To become well - qualified network engineers	Entry-level network engineers to maximize their foundational networking knowledge. Our training module imparts participants with practical, relevant and industry-ready domain knowledge on network solutions.
		German Language Training Programme	To become familiar in German Language	To learn German for everyday life, to get a job, to study at a German university, for learning German successfully through qualified instruction.
7	BME	Training programme on "Design and Development of Fixed Power Supply"	The training intent is to better equip with an understanding of the Power Supply design.	Design and implement rectifier, filter and regulator circuits for power supplies. To analyze the performance of a power supply. Able to rig up and test small electronics circuits
		Introduction to Matlab	The training provides a	Provide the platform to learn MATLAB quickly

		Fundamentals (Level 1)	working introduction to the MATLAB technical computing environment.	and successfully. Assist to save development time and working more efficiently using MATLAB tools. Enrich knowledge of MATLAB to address and solve real engineering & science issues.
8	MBA	SPSS	To make the students more familiar with SPSS software and know the importance of research in future era.	To gain knowledge in SPSS. Effective use of SPSS software for their main project. Encouraging students to take part in article publications.
		CASE analysis	To enable all the students to analyze all business and corporate case wisely and effectively. To foster all students to meet corporate requirement.	To analyze situation, causes and effect of every action involved in the case.
		Portfolio Management	To make all students understand the concept of Portfolio and support them to become good portfolio analyst	Enable them to understand the importance of portfolio management.
9	MCA	CCNA	To become well - qualified network engineers	Given a LAN/WAN configuration scenario, students will be able to describe the basic networking processes used for communication across Local Area Networks, Wide Area Networks and the Internet.

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If yes, give details.

No. The institution does not offer programmes that facilitate twinning / dual degree since it is affiliated to Anna University.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- **Range of Core / Elective options offered by the University and those opted by the college**
- **Choice Based Credit System and range of subject options**
- **Courses offered in modular form**
- **Credit transfer and accumulation facility**
- **Lateral and vertical mobility within and across programmes and courses**
- **Enrichment courses**

Range of Core / Elective options offered by the University and those opted by the college

As per the Anna University curriculum, the students must takeup all the core subjects prescribed. The students have the choice of selecting their own elective subjects from the list of subjects offered by the affiliating University. The elective subjects offered are based on the latest technological trends and industrial needs so that at the end of the programme, the students will be conversant with those advanced topics and will be ready to handle the needs of the industry. The following table shows the number of core and electives courses offered. For each of the elective subjects, the students have a range of 8 to 10 subject choices for all the programmes offered.

S.No.	Department	Total No. of Core Subjects	Total No. of Elective Subjects	Total No. of Laboratory Subjects
1.	Civil	39	5	15
2.	Mech.	40	5	21
3.	EEE	35	24	24
4.	ECE	33	08	19
5.	CSE	39	5	20
6.	IT	39	5	20
7.	BME	40	06	17
8.	M.E. (SE)	08	07	04
9.	M.E. (ED)	09	06	05
10.	M.E. (AE)	09	06	04
11.	M.E. (VLSI)	08	07	04
12.	M.E.(PED)	10	05	03
13.	M.E. (CSE)	09	07	06
14.	M.E.(N/W)	09	07	06
15.	MBA	18	12	2
16.	MCA	22	18	16

Choice Based Credit System and range of subject options

As of now, the affiliating university has not introduced choice based credit system. However, the courses offered by Anna University have fixed credits.

Courses offered in modular form

Currently, the courses are not in modular form.

Credit transfer and accumulation facility

Not available at present.

Lateral and Vertical mobility and across programmes and courses

No. Lateral and vertical mobility within and across programmes and courses are not allowed as per the affiliating university norms.

Enrichment courses

Enrichment courses in the form of seminars and workshops are offered to our students as and when required. Advanced courses are offered as electives during the higher semesters of UG Programme and all semesters in PG Degree Programme. The recent and emerging technologies are taught to the students by conducting academic guest lectures, hands-on workshops and seminars. For the past four years, 75 such programmes have been organized for the betterment of the students. The details about the enrichment courses organized are listed in section 2.3.6.

Communication and soft skills programmes are conducted which is beyond the prescribed curriculum and has improved the employability of our students. These training classes are being conducted within the regular college working hours. The following is the list of communication and soft skills development programmes organized in the campus in order to improve the interpersonal skills of the students.

S.No.	Communication / Soft skills development Programme	Name & Address of the resource person	Date
1	Generic Training by HR	M/s. CTS, M/s. WIPRO	12.06.2015 to 13.06.2015
2	AMCAT Pattern	M/s. FACE, Coimbatore	15.06.2015 to 19.06.2015
3	Speed Maths	M/s. Apt Training Resources, Chennai	20.06.2015, 22.06.2015 to 23.06.2015
4	Aptitude Skills	M/s. Apt Training Resources, Chennai	23.06.2014 to 25.06.2014
5	AMCAT Pattern & Placement Training	M/s. FACE, Coimbatore	26.06.2014 to 30.06.2014
6	CTS Specific Training	M/s. FACE, Coimbatore	27.08.2014 to 30.08.2014
7	Wipro Specific Training	M/s. Smart Training Resources, Chennai	10.09.2014 & 11.09.2014
8	Empowerment	M/s. Speed Learning Resources, Chennai	29.07.2013 to 02.08.2013
9	Aptitude	M/s. APT Training Resources, Chennai	17.09.2013 to 19.09.2013
10	Empowerment	M/s. Speed Learning Resources, Chennai	07.10.2013 to 11.10.2013

11	Empowerment Refresher Programme	M/s. Speed Learning Resources, Chennai	10.10.2013
12	TCS Specific	M/s. APT Training Resources, Chennai	05.10.2013 to 06.10.2013
13	TCS Specific	M/s. Smart Training Resources, Chennai	07.10.2013 to 12.10.2013
14	Empowerment Refresher Programme	M/s. Speed Learning Resources, Chennai	14.11.2013

1.2.4 Does the institution offer self-financing programmes? If yes, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Being a self - financing institution, all the programmes offered are self - financing only.

Engineering -Under Graduate Degree

Sl.No	Programme
1.	B.E. - Civil Engineering
2.	B.E. - Mechanical Engineering
3.	B.E. - Electronics and Communication Engineering
4.	B.E. - Electrical and Electronics Engineering
5.	B.E. - Computer Science and Engineering
6.	B.Tech. - Information Technology
7.	B.E. – Bio-Medical Engineering

Post Graduate Degree

Sl.No	Programme
1.	M.E-. Power Electronics & Drives
2.	M.E- Applied Electronics
3.	M.E-Computer Science and Engineering
4.	M.E- Computer Science and Engineering with networks
5.	M.E-VLSI Design
6.	M.E- Structural Engineering
7.	M.E- Engineering Design

Management Studies

Sl.No	Programme
1.	M.B.A. – Master of Business Administration

Computer Applications

Sl.No	Programme
1.	M.C.A. – Master of Computer Applications

Students Admission

Admissions are done as per the government norms - 65 % of the seats through government quota (TNEA Counseling) & 35 % by the management consortium.

Students Fees Structure

S.No.	Programme	Government Quota (Fees / Annum)	Management Quota (Fees / Annum)
1.	U.G.	Rs. 45000	Rs. 70000
2.	P.G.	Rs. 55000	Rs.70000

Teaching Qualification & Salary: As per AICTE Norms

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

Yes, the institution offers skill oriented programmes relevant to regional and global employment markets as follows.
- Soft skill development programmes
- Quantitative, Logical and Analytical skill development programmes
- Value added courses in core areas
- In-plant training and Industrial visits
- Project Exhibitions
- Field visits

These programmes are periodically offered to the students and it is ascertained that the students are adequately skilled and more employable. While designing these additional programmes, it is ensured that they suit the global as well as employment market demands.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice. If 'Yes', how does the institution take advantage of such provision for the benefit of students?

There is no provision for flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice.

1.3   Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

To reach out to the goals and objectives, the institution has developed additional inputs in the syllabi to face the current trends in competitive areas. The institute supplements the University's curriculum by conducting the following academic programmes to achieve its goals and objectives:

- Workshops and seminars
- Coverage of topics beyond syllabus in theory subjects
- Experiments beyond syllabus in practical subjects.
- Long term training in soft skills
- Long term training in Quantitative, logic and Analytical skills
- Training in computer based subjects
- Value added Courses
- Expert lectures

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

The Placement and Training cell of the college regularly interacts with the HR and technical managers of companies and collects firsthand information about the demands and expectations of the corporate sector regarding the skill set of students. The institution has collaborated with 70 industries. The details about the industry collaborations are given in section 3.7.2.

- Alumni feedback is taken periodically to understand the recent market trends.
- The institution has taken measures to cater to the global market needs based on the true assessment of strengths and services offered in the campus.
- To develop the required skills, brainstorming sessions are arranged for the faculty to design the tools in the areas of Spoken English, use of computers and provide in-depth knowledge in the respective subjects.
- Special training and tailor made orientations are conducted to enable the students to achieve the global standards.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

The college adopts the curriculum designed by the university to develop competency, obtain employment and promote research among the students and the teaching fraternity.

Both Girls and boys are encouraged to work together in various curricular, co-curricular, sports activities. There is no discrimination in

offering representative posts of various committees among girls & boys. This holistic approach has led to increased opportunities in employment as well as in building new entrepreneurial development among the student community.

Students of all the branches learn the subject called Environmental Science and Engineering. The objective of this course is to learn about the study of nature and the facts about environment The College is keen on maintaining the environmental condition by:

- Rainwater harvesting
- Tree plantation
- Biogas plant

ICT and Computer fundamentals are taught as a part of the curriculum. Besides the basic courses at the department level, students study number of subjects both core and electives related to ICT.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?
- moral and ethical values
- employable and life skills
- better career options
- community orientation

Moral and ethical values

Regular classes on Values and Ethics in profession are conducted as a part of the curriculum. Experts are invited to speak on different social issues.

S.No	Department	Name of the Programme	Resource Person	Date
1	Civil	How to Build a Quality House	Mr.S. Gnanavel Murugan	10.08.2014
2	Mech.	Ethics for Global competitiveness	Mr. B.Sathasivam AGM- Materials, Roots industries Ltd, Coimbatore	04.09.2010
		Professional ethics for air conditioning engineers	Mr. Shankar Rajasekaran- Zonal Chair ISHRAE Southern Chapter	07.08.2013
3	ECE	Guest lecture on Bloom Taxonomy	Dr.M.Jeganath,VIT, Chennai	30.03.2015
		Guest Lecture on "The Road Less Travelled"	By Dr.N.Nedumaran, Rtd, Professor and Head, American College, Madurai.	27.09.2012
4	CSE	One Day Workshop on "Awareness programme on Professional Ethics"	Dr.T.Ravichandran Assistant professor, Dept. of gandian thought, Gandhigram rural Institute,Gandhigram	06.09.2013

5	IT	Achievement Motivation Training Programme	M/s. ZEN, Chennai	11.07.2014 to 16.07.2014
		Confidence Building Training Programme	M/s. RIPE Institute Pvt. Ltd., Chennai	03.08.2013 , 17.08.2013 , 31.08.2013 , 15.02.2014 & 01.03.2014
		Orientation Training Programme	M/s. ACE Panacea, Chennai	11.07.2013 to 15.07.2013
		Motivation Training Programme	M/s. BELL Soft, Chennai	20.07.2013
6	MBA	Guest lecture - Success Story	Mr.N.Anantha Kumar Managing Director Royal Sports Nehruji Nagar Dindigul	26.08.2014
		Leadership Development	Mr.Murali Senior Manager- The Hindu, Chennai	20.05.2015

Employable and life skills

The Institute regularly organizes workshops on Stress Management by qualified professionals. In addition to that, Short term courses on communication skills, skill development through Research and Surveys, Projects and presentations, publishing ventures such as Newsletters by students are a few steps in this regard.

S. No.	Department	Name of the enrichment programme	Evaluation method
1	Civil	One day seminar on "International Seminar on Smart City Planning Using G.I.S." Awareness program on "How to Build a Quality House" Analysis of composite bridges One Day National Workshop on "Emerging Trends in Nano Technology for Civil Engineering Application Water quality assessment and conservation techniques	Feedback
2	Mech.	Conducted a guest lecture on 'Entrepreneurship Development. (Innovations)' Conducted a guest lecture on 'Emphasis on Ph.D. Research Work' Conducted a guest lecture on 'About Govt. TRB Exams' Organized a guest lecture on 'Entrepreneurship Development.' Conducted a guest lecture on 'My	Feedback

S. No.	Department	Name of the enrichment programme	Evaluation method
		Experience in Export Business' Conducted a guest lecture on 'Opportunities in Banking Industry [For UG & PG Students]' Organized a guest lecture on 'Career Planning in welding for fresh Engineers' Organized a guest lecture on 'My Experience in TATA POWER & GE ENERGY with an emphasis on National Power Training Institute (NPTI)' Conducted a guest lecture on' My Experience in Export Business' Conducted a guest lecture on 'Scope in Marine Engineering'	
3	EEE	One Day Seminar on 'Preparation for IEEE Journals'	Feedback
4	ECE	Advances in VLSI, Embedded & Neuroscience in medical systems Mining the Social Web Two days workshop on Network Simulator NS2 for wireless network Two days Workshop on Hands on Workshop on Design of RF Modules Two days seminar on Transmission Lines and waveguides with KETAB Studio V4.0.0.Lite One day workshop on RF Front End and EM simulation training using Keysight's ADS Two Days workshop of VLSI Design Tools Two days workshop on Evolutionary Computing	Feedback
5	CSE	One day training – A beacon of Security Projects from Cyber Espionage. One day training - Scintillating of 3rd wave Computing in Real Time Environment One day training - Cloud Infrastructure Services Installation and Training One day training - An Iceberg view of Android Marshmallow Projects in Mobile Applications One day training - An Eagle's view of " Big data Projects in Real World Applications" Two days workshop on "Kernel level programming in Linux" Two days workshop "Accelero-Botix- A hand Gesture controlled Robot" Two days workshop on "PHP – Web Development " One day Seminar on " Information Security and Ethical Hacking" Two days workshop on "Red-Hat Linux an open Source" CSI sponsored two days workshop on "Linux	Feedback

S. No.	Department	Name of the enrichment programme	Evaluation method
		Operating System." ISTE Sponsored Seminar on" Enhancing Employability & Nation's Safety"	
6	IT	Conducted a Student Convention on "Recent and Future Trends in Cloud Computing" Awareness program on "International Educational opportunities" Seminar on "Recent research trends in Big Data" National Level Entrepreneurship Awareness Competition in creating Online Business One day Programme on "Introduction to C Pointers"	Feedback
7	BME	Hands on training on "Hardware Assembling and Software Installation" C-Programming-Simplified Webinar on "Sensor Measurement Fundamentals Online Webcast Series" In-house training program on fingerprint acquisition and processing by Benchmark electronics solutions pvt Ltd. (Peer-peer learning) Microcontroller programming and application Design	Feedback
8	MCA	Entrepreneurship awareness and leadership quality development	Feedback

Better career options

Through the HRD Cell, the college organizes career counseling programmes. These programmes create awareness among the students regarding various career options like getting a job, entrepreneurship, higher studies and option in public sector services.

Community orientation

NSS camps are organized every year. Social issues and plantation of trees are given importance in the camps. The students organize different campaign to keep the city clean and hygienic. Community developmental activities like AIDS awareness programmes, waste management programmes contribute to community and national development and also create awareness about ecology and environment.

NSS Camps

Eye Camp Programmes for the benefit of villagers around our college.

S.No.	Programme	Number of volunteers	Date
1	Free Eye Camp – A joined health programme organised with Aravind eye Hospitals, Madurai.	55	24-8-13
2	Review camp for the eye patients	25	28-9-13
3	Free Eye Camp – A joined health programme organised with Aravind eye Hospitals, Madurai.	55	23-8-14
4	Review camp for the eye patients.	25	29-7-14
5	Free Eye Camp – A joined health programme organised with Aravind eye Hospitals, Madurai.	55	22-8-15
6	Review camp for the eye patients	25	26-9-15

Thaipoosam Annadhanam Programme

During the period of Thaipoosam (January) an Annadhanam programme is conducted on every year under the foothill of Palani. It is organized with the help of Venus Trust of Dindigul. The number of volunteers involved for this programme is 30.

Blood Donation Camp

Blood donation camp is organized by our college frequently. The students come forward and donate blood for the benefit of the public.

S.No.	Place of the Camp / Programme Details	Faculty Corordinator	Total no. of students	Date
1.	PSNA College of Engineering & Technology., Dindigul/ The Blood was donated to Kasthuribha Hospital, Gandigram & Government Hospital, Dindigul	Dr. P. Babu, Associate Prof. / MCA	202	18/07/2012
2.	PSNA College of Engineering & Technology., Dindigul The Blood		234	18/07/2013

	was donated to Kasthuribha Hospital, Gandigram Government Hospital, Dindigul			
3.	PSNA College of Engineering & Technology., Dindigul The Blood was donated to Kasthuribha Hospital, Gandigram & Government Hospital, Dindigul		217	17/07/2014
4.	PSNA College of Engineering & Technology., Dindigul. The Blood was donated to Government Hospital, Dindigul		253	18/07/2015
5.	PSNA College of Engineering & Technology., Dindigul The Blood was donated to Meenakshi Mission Hospital, Madurai		127	17/08/2015

Rotract Club

Rotract club actively functions in our campus. The following table shows the list of programmes organized by this club as a part of community development and service.

S. No	Name of the Programme	Faculty coordinator	Collaboration/ Association if any	No. of beneficiary
1.	Health Camp on Badlagundu – (6-1-2013)		Venus Trust & PSNA Trust	1500 villagers around Badlagundu
2.	Anti-Drug Awareness Campaign (7/1/2013)		--	Dindigul district People
3.	Vivekananda Rally-as part of Vivekananda's 150th Birthday celebration (12/1/2013)	Dr.S.Jayaraman, ASP/ MBA	--	--
4.	Youth carnival (Cultural Competition for students) 19.01.13		Rotary club of Dindigul fort and Rotary club of Dindigul Queen city	540students

5.	Voter's day programme – (23/1/2013)		--	Dindigul district People
6.	Annadhanam to devotees at palani on thaipoosam (27th &28th of Jan 2013)		PSNACET, VENUS Trust	20000 people
7.	Organ Donation camp –Dr.Ashoak (16/03/2013)		--	Dindigul district People
8.	MUNA - 2013(23/02/2013)		Rotary club of Dindigul Queen city	Dindigul district rotaractors
9.	Bon Apettite (19.07.13)		--	150 orphans
10.	Blood donation camp 20.07.2013		Rotary club of Dindigul& Blood donors club of PSNACET	135 units blood donated
11.	Mitra Mahas (04.08.13)		Rotary club of Midtown	Dindigul district rotaractors
12.	Caliper Distribution (17.08.2013)		PSNA INFOSYS, Dindigul.	Dindigul district People
13.	Free Eye camp and treatment (23. 08.2013)		NSS,PSNACET	500 members
14.	Tree Plantation (01.09.2013) Rotaracters went to near Villages in Dindigul and planted about 100 saplings of different kinds at various public spots.		--	Dindigul district People
15.	Nutrition week rally - awareness program on health for Caring mothers and special children (05.09.2013)	Dr.S.Jayaraman, ASP/ MBA		Dindigul district People
16.	Youth carnival (Cultural Competition for students) 09.11.13		Rotary club of Dindigul fort and Rotary club of Dindigul Queen city	450students
17.	Blood donation camp 18.07.2014		Rotary club of Dindigul& Blood donors club of PSNACET	386 units blood donated
18.	TRYST'14(self development for students) 20.07.2014		--	RI 3000 Students
19.	Tree Plantation - Rotaracters went with a 'Go Green' motive to 3 Villages in Dindigul and planted about 200 saplings of different kinds at various public spots. (29.07.2014)		Rotary club of Dindigul Queen city	Dindigul city people

20.	Free Eye camp and treatment (23. 08.2014)		NSS,PSNACET	300 members
21.	Rally on raise awareness about and protest against women abuse (07. 09.2014)		NA	Dindigul city people
22.	Tree Plantation - Rotaracters went with a 'Go Green' motive to 14 villages in Dindigul and planted about 500 saplings of different kinds at various public spots (07. 09.2014)		Rotary club of Dindigul Queen city	Dindigul District people
23.	Awareness programme on the adverse effects of smoking (08. 09.2014)		--	Dindigul city people
24	awareness programme on the need and importance of Helmets (10. 09.2014)		--	Dindigul city people
25.	Free medical camp for heart diseases and heart ailments (14. 09.2014)	Dr.S.Jayaraman, ASP/ MBA	Rotary Club of Dindigul & Apollo Group of Hospitals	Dindigul District people
26.	Skill Scalar (self development for students)		Rotary club of Dindigul Queen city	400 students
27.	Awareness programme on the adverse effects of plastic by persuading street vendors to replace plastics bags with paper bags (21. 09.2014)		--	Dindigul city people
28.	Blood donation (02.07.14 to 1.11.2014)		--	24 units donated
29.	Books Donation, volunteers collected more than 8 bags, That books are distributed to Ashrams (12. 10.2014)		--	Anbarasi& Ramakrishna Ashrams

S. No	Name of the Programme	Faculty coordinator	Collaboration/Association if any	No. of beneficiary/ Participants
30.	Social awareness program which comprises of "short film competition" on the need of blood donation Which was named as "KURUTHI" (12. 10.2014)		--	Dindigul city people
31.	Food, note and books provided to various orphanages (20/10/14, 23/10/14,)	Dr.S.Jayaraman, ASP/ MBA	-	300 children
32.	Dengue awareness camp (31. 10.2014)		--	Dindigul city people
33.	Youth carnival (Cultural Competition for students) 29.11.2014		Rotary club of Dindigul fort and Rotary club of Dindigul Queen city	620 students
34.	Polio awareness camp (20.01.2015)		Rotaract club of Anna University and Rotaract club of Parvathy's women's college	Dindigul city people
35.	Bullseye sticker awareness camp (15.02.2015)		Rotaract club of Anna University Dindigul and Rotaract club of Cauvery college, Trichy	Dindigul city people
36.	RO-ACT'15 - organised more than 2500 rotaractors from RI DIST 3000 in PSNA CET, for R formation to create awareness about illiteracy		RI DIST 3000	Mass awareness was created in dist 3000.
37.	Annadhanam to devotees at palani on thaipoosam		PSNACET,VENUS corp.	20000 people

Youth Red Cross Society (YRC)

YRC society actively functions in our campus. This society organizes several functions to serve the people of the near-by villages. The following table shows the list of programmes organized by this society:

S. No	Name of the Programme	Faculty coordinator	Collaboration/Association if any	No. of beneficiary/ Participants
1	Games and cultural on 26th Jan' 2012	S. Rajavelu, AP/Physics	GRACE GARDEN TRUST (an orphanage) in Neelamalaikottai. Dindigul	70
2	Inagural function-12th September 2012-lecture on "Awareness on First Aid"	S. Rajavelu, AP/Physics	Chief guest – Dr. J. Rajah, MBBS, FCGP, President, IMA and Dr. S. Suguna, MBBS, Secretary, IMA.	250

3	Attending a rally on 21st January 2014 to celebrate the 150 years completion of IRCS	S. Rajavelu, AP/Physics	IRCS, Dindigul District branch	15
4	Inagural function-10th October 2014-lecture on "Fire prevention methods"	S. Rajavelu, AP/Physics	Chief guest – Mr. T. Puroshothaman, Station Officer, Fire & Rescue Station, Dindigul and Mr. P. Jeyakumar, Station Transport Officer, Fire & Rescue Station, Dindigul	200
5	Receiving 'Certificate of Appreciation ' from IRCS - 2014	S. Rajavelu, AP/Physics	IRCS, celebrating the 65th Anniversary of Geneva Conventions at Madurai Kamaraj University, Madurai	College
6.	Welfare programme 1st March 2015	S. Rajavelu, AP/Physics	"DHAN Foundation " - Nilakkottai near Dindigul	50

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

Since most of the departments of our college are already accredited by NBA, Vision and Mission for the college as well as for the departments have been framed. Beside this, Programme Educational Objectives (PEO) and Programme Outcomes (PO) has also been framed. Every year Acadamic Counsil committee meeting is held to discuss the fulfillment of the PEO, PO based on university results and the feedback received from students of various batches and the stakeholders. The various types of feedbacks collected in our college are:

Alumni Feedback
Every year our institute organizes Alumni Meet in which all alumni are invited to participate and feedback from them is collected to enrich the curriculum.
Student Feedback
At the end of each semester, feedback about the courses from every student is taken.

Parent Feedback
Parents-Teachers meeting are frequently organized and feedback from the parents is usually obtained.
Employer Feedback
We organize curriculum development workshops, where we invite employers. Their feedback is collected during these interactions.
Governing Council
Regular Governing Council meetings are held in the Institute and recommendations and suggestions are discussed and approved.
The feedback which we collect from all these stakeholders will be used for value adding, bridging the gap in the Anna University proposed curriculum and devising course and lesson plans. Since several of our faculty members are in the board of studies of Anna University, based on the feedback collected they represent the need for changes in the curriculum in the board of studies meeting.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

The institution monitors and evaluates the quality of its programmes by installing committees such as planning and monitoring. The roles of these committees are outlined below.

Academic Council

The council has members from various departments. It frames a procedure for each and every activity of our college. The following tasks are done by the planning committee:

- Curriculum Implementation
- Conduct of Internal Assessments
- Framework for Laboratory
- Plan for academic events such as internal and external Symposia, Conferences, Project Expo, Teachers' Day, Alumni Meet, Sports Day, Graduation Day, Annual Day Etc

The heads of various departments ensure the following:

- Syllabus coverage entry in centralized system.
- Unit wise completion report
- Attendance entry monitoring in ERP system
- Special assignment
- Lecture notes
- Personal log book
- Department activities entry in website
- Internal Marks calculation
- Special Test Marks

1.4   Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

Feedback obtained from Alumni, students, employers and members of faculty are put for discussions at the department level to understand the usefulness, effectiveness and gaps and drawbacks. These viewpoints and remarks are taken forward and represented by our faculty who are the members of the board of studies of the affiliating university. This ensures designing and developing better curriculum by the university.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If yes, how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

During the reformulation of the curriculum, university invites representatives from the college to put forward their views on behalf of all the stakeholders of the institute.

Alumni feedback

The feedback of the alumni members is collected by using the Alumni registration forms, whenever the Alumni Association meetings are held. This feedback plays a valuable role in the training to be given to the budding engineers.

Parents

The feedback of the parent is collected when they attend the Parent – Teachers Meeting. This feedback plays a key role in the development of our college in all aspects.

Employers/industries

We elicit opinions on the relevance of the curriculum from industry personnel and employers. The feedback of the employers is given due importance and their suggestions are analyzed, and the demand for Add-on courses is met, with regard to the demand of the students.

The analysis of the feedback is done by each department and the same is reported to the principal who represents the institute on curriculum reformulation by the University. Suggestions arrived after analyzing the feedback received from stakeholders are forwarded to the Students Affairs Department of Anna University for necessary action.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?

Two Post Graduate programmes have been introduced during the last four years.

S.No.	Department	Year of Inception
1	M.E. (Engineering Design)	2012-13
2	M.E. (Structural Engg.)	2011-12

CRITERION II

TEACHING - LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

A. Publicity

The College ensures publicity in admission process by following means

- Prospectus
- Institutional Website http://www.psnacet.edu.in/
- Advertisement in Regional/ National Newspapers
- National level ranking in magazines
- Technical Education meets
- Hoardings
- Meetings of stakeholders
- College prospectus distributed in Educational Expos
- Electronic media

The college actively participates in educational expos and fairs which enable the institution to showcase various courses offered and directly reach the target audience and have a one-to-one interaction with them. During the interaction, materials like the brochures of the institution and prospectus are distributed to parents and candidates who visit the expo.

B. Transparency

The admission process is completely transparent. The eligibility and admission process is clearly specified in the prospectus.

- The college strictly follows the rules laid down by both the University and the Government of Tamil Nadu to ensure transparency in the admission process.
- As the College is affiliated to Anna University, admissions under the Government Quota are made through a Single Window Counseling system by the University.
- Based on merit, admissions are made under the Management quota, through the Consortium of Self Financing Arts and Professional Colleges, Chennai.

Norms for UG Admission - First Year UG

Candidates should have passed Higher Secondary Examination (Academic / Vocational Stream) and obtained a minimum aggregate percentage of marks as indicated below -2016 – 2017

Criteria	OC	BC	MBC	SC/ST
H.S.C.- Academic Stream- A Pass with Minimum average marks in Mathematics, Physics and Chemistry put together	50%	45%	40%	40 %
H.S.C. - Vocational Stream - A Pass with Minimum average marks in Related Subjects, Vocational Theory and Practicals put together	50%	45%	40%	40 %

Norms for PG Admission

For PG, Sanctioned intake as per Government Quota and Management Quota

S. No	Programme	Government Quota	Management Quota
1	MBA	50%	50%
2	MCA	50%	50%
3	M.E	65%	35%

Norms for Lateral entry UG/PG Admissions

For UG, Sanctioned intake as per Government Quota is 65%. Management Quota is 35% and NRI Quota 15%.

Criteria	OC	BC	MBC	SC/ST
Aggregate (Pre- final + Final Semesters)	50%	45%	40%	40 %

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i)merit (ii)Common admission test conducted by state agencies and national agencies (iii)combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

As a Non-Minority Institution, TNEA allows 65% of seats through Government Quota and remaining 35% by Management Quota.

UG Programmes - Admission Process

Out of the sanctioned annual intake for admission, 65% of seats are filled through Tamil Nadu Engineering Admission Single Window Counseling. For this process the candidates submit the applications to TNEA. Then the rank list and the counseling schedule based on the rank list are published. The candidates through an open transparent system of counseling opt for the institute and the branch of study of their choice. 35% of the seats of the annual intake are filled as the Management Quota seats through the Association of Management of Anna University Colleges. The complete list of the selected candidates is approved by the Directorate of Technical Education (DoTE).

Eligibility Criteria

For Students from other states

As per Tamil Nadu Acts No.3 of 2007, dt: 05.03.2007 and G.O. (Ms) No.77 HE (J2) Dept, dt: 05.04.2007, the marks obtained by the students in the relevant subjects in the qualifying examination conducted by various Boards or Authority shall be equated with the marks obtained by the students in the same subjects in the qualifying examination conducted by the State Board of Tamil Nadu by adopting the method of normalisation. In the case of candidates who have qualified from National Boards namely CBSE and ISCE, the highest mark obtained in the relevant subject by the candidates at the National Level alone will be taken into consideration for normalisation. The students who have passed the qualifying examinations of University / Board other than Madras / Madurai / Annamalai / Bharathiar / Bharathidasan University should obtain the Provisional Eligibility Certificate from the

Registrar, after being admitted in our college. If the qualification is for any reason not recognized by Anna University, the candidate will have to discontinue the course.

Lateral Entry Scheme:

Under the Lateral entry scheme candidates who have passed with minimum eligible marks in the Diploma Course of the State Board of Technical Education and Training, Tamilnadu / equivalent course prescribed for the degree course, are admitted.

Minimum marks as prescribed by the Govt. of Tamilnadu:

Average marks in Pre final and Final semester	OC	BC &BCM	MBC/DNT	SC	ST
	55%	50%	45%	Pass	Pass

15 % seats under NRI lateral entry admission is done by the institution satisfying the minimum marks prescribed by the Government.

The admission process is carried out through
1. Single Window System
2. Management

Single Window System

65% of the seats are filled through single window system. Admission to the various UG courses of study is done in accordance with the statutory provisions of the Anna University and the Government of Tamil Nadu. The seats under Government Quota are filled through the single window system of admission based on Higher Secondary examination marks.

Management

Maximum of 35% of the seats is filled by the management.
Percentage-wise allocation of seats as shown below

	OC	BC	BCM	MBC	SC	SCA	ST
%	31.00	26.50	3.50	20.00	15.00	3.00	1.00

PG ADMISSION

Candidates should have passed B.E. / B. Tech / AMIE/ or equivalent examination for seeking admission into relevant PG courses and its specialization. 50% of the seats are filled through TANCET by Anna University and remaining 50% of seats are filled through qualifying marks obtained in CET conducted by consortium of Self- financing colleges. The eligibility for PG admission is as shown below

Eligibility for PG Admission

S.No	ELIGIBILITY
1	**M.E. Structural Engineering** B.E. / B. Tech. Civil Engineering/Civil and Structural Engineering

2	**M.E- Engineering Design**	
	B.E. / B. Tech. Mechanical Engg/Automobile Engg/Production Engg./ Manufacturing Engg./ Industrial Engg/ Mechatronics/ Marine Engg/ Aeronautical Engg.	
3	**M.E. Power Electronics and Drives**	
	B.E. / B. Tech. Electrical and Electronics Engg.	
4	**M.E. VLSI Design**	
	B.E. / B. Tech. Electronics and Communication Engg/ Electrical and Electronics Engg/ Electronics Engg/ Electronics and Instrumentation Engg.	
5	**M.E. Computer Science and Engineering**	
	B.E. / B. Tech. Electronics and Communication Engg/ Information Technology/ Computer Science and Engg/ Software Engineering/ Computer and Communication Engg/ Electronics Engg.	
6	**M.E- Applied Electronics**	
	B.E. / B. Tech. Electrical and Electronics Engg/ Electronics and Communication Engg/ Electronics Engg/ Electronics and Instrumentation Engg	
7	**M.E- Computer Science and Engineering with networks**	
	B.E. / B. Tech. Electronics and Communication Engg/ Information Technology/ Computer Science and Engg/ Software Engineering/ Computer and Communication Engg/ Electronics Engg.	
8	**M.B.A**	
	A pass in a recognized Bachelor's degree of minimum 3 years' duration and obtained at least 50 % (45 % in the case of candidates belonging to reserved category) in the qualifying degree examination. 10+2+3 years pattern/ 10+3 years Diploma +3 years pattern/ B.E./B. Tech./B.Arch./B. Pharm/ 10+2+AMIE*/ 10+3 years diploma (awarded by the State Board of Technical Education) + AMIE.*	
9	**M.C.A**	
	A pass in a recognized Bachelor's degree of minimum 3 years' duration with mathematics at 10+2 level or at Graduate level and obtained at least 50 % (45 % in the case of candidates belonging to reserved category) in the qualifying degree examination. 10+2+3/4 years Pattern/ 10+3 years diploma + 3 years Pattern/ 10+2+AMIE*/ 10+3 years diploma (awarded by the State Board of Technical Education) + AMIE*	
10	**M.C.A. Lateral Entry**	
	A pass in a recognized Bachelor's degree of minimum 3 years' duration in BCA, B.Sc. (Computer Science / Information Technology) with mathematics at 10+2 level or at Graduate level and obtained at least 50 % (45 % in the case of candidates belonging to reserved category) in the qualifying degree examination - 10+2+3 years Pattern	

* Candidates with Section 'A' & 'B' certificates (A.M.I.E.) and other similar certificates of professional bodies viz. Aeronautical Society of India etc., recognized by the Ministry of Human Resource Development, Govt. of India and enrolled before 31.5.2013 are considered to be equivalent to B.E. / B. Tech. Degree holders, only with 2 years' regular full time experience in the relevant field after successful completion of the course including project work. An experience certificate is to be produced by the candidates.

The admission process is carried out through
- Single Window System
- Management

Single Window System

50% of the seats are filled through single window system. Admission to the PG courses M.C.A and M.B.A study is done in accordance with the statutory provisions of the Anna University and the Government of Tamil Nadu. The seats under Government quota is filled through the single window system of admission based on Common Entrance Test Score. In case of M.E/M. Tech the distribution of the percentage of the students can be maximum of 65% by the management through single window system through consortium of self-financing colleges in Tamil Nadu and the remaining will be admitted through Anna University Single Window counseling.

Management admission for M.B.A and M.C.A

Maximum of 50% of the seats are filled by the management for M.C.A and M.B.A. The seats under management quota are filled through another single window system through consortium of self-financing colleges in Tamil Nadu.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

The minimum and maximum cut-off marks for admission at entry level for each of the UG programmes offered by the college for the last two academic years are listed in the following tables

The table shown the minimum and maximum cutoff marks for UG programme under Single window system

Name of the Programme	No.of Seats	Cut off marks in counseling		No. of Seats	Cut off marks in counseling	
		2015-16			2014-15	
		Max	Min		Max	Min
B.E. - Civil	195	192	129.25	117	192	108.66
B.E. - Mechanical	195	192.75	134	156	189.66	92
B.E. - ECE	195	190.05	140.75	195	192.66	117.66
B.E. - EEE	78	194.75	132.75	78	192	109.66
B.E. - CSE	156	187.80	121.05	156	193	101.66
B. Tech. - IT	117	184.25	127.05	117	185	110
B.E. – Bio-Medical	39	195.05	173.80	39	187	161.30

The table, shown the minimum and maximum cutoff marks for UG programme under Management Quota

Name of the Programme	No. of Seats	Cut off marks in management quota		No. of Seats	Cut off marks in management quota	
		2015-16			2014-15	
		Max	Min		Max	Min
B.E. - Civil	105	180	92	63	171.70	93.30
B.E. - Mechanical	105	194	102.05	84	172.34	100.00
B.E. - ECE	105	176.75	103	105	173	90.66
B.E. - EEE	42	197	115	42	181	90
B.E. - CSE	84	183.78	100.25	84	190	87.66
B. Tech. - IT	63	181	112	63	128	93.66
B.E. – Bio-Medical	21	181.05	52.05	21	179	102.34

Graphical representation of minimum cut off mark comparison was made with the following neighboring colleges of the affiliating university:
- Christian College of Engineering and Technology
- R.V.S. College of Engineering and Technology
- N.P.R. College of Engineering and Technology
- S.B.M. College of Engineering and Technology
- Sri Subramaniya College of Engineering and Technology
- SSM Institute of Engineering and Technology

TNEA Cut-off for the Academic Year 2015-2016

TNEA Cut-off for the Academic Year 2015-2016
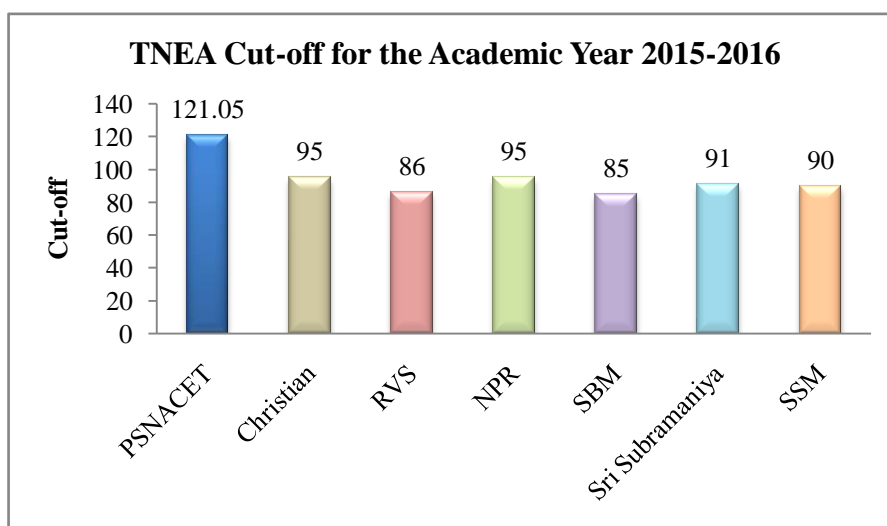
The figure, shown the minimum cut off mark in surrounding colleges in Dindigul

Although we have provided a comparison with all the colleges in and around Dindigul, a healthy competition prevails in admission into the highlighted institutions. It is worth mentioning that the cut off marks of PSNACET are very much comparable with the competitors. Yet the demand for admission into the college is high and the GQ seats are filled within a week of starting the single window system admissions. Also the comparison shows that the minimum cut-off mark of PSNACET ranks 1st in the academic year 2015 – 2016 among the 6 surrounding colleges. This shows that the students with good percentage select PSNACET among the surrounding self- finishing college.

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If yes, what is the outcome of such an effort and how has it contributed to the improvement of the process?

Yes, the admission is based on Tamil Nadu Engineering Admissions (TNEA) counseling and Consortinum of Self Financing College and the institutions have no role in the admission process. We are maintaining the student admission related details in admission cell and in the college office.

The institution analyzes the student profiles immediately after their admission into the college to gain insight into
- Opening and closing cut off marks - community wise
- Geographical distribution of candidates
- Gender classification
- District wise data analysis
- School of study, Board and Medium of study

These details serve as an input for modifying /amending admission policies with the perspective of improvement for the subsequent batches seeking admission under management category.

The outcome of the analysis is helpful for the following:
- For the decision about publicity for admissions
- To identify the students coming from the medium of instruction other than English and based on this medium to work on improving the communication skills of the students
- To identify the students who have studied vocational group and to improve their knowledge in Mathematics and Physics

Based on the number of students admitted from each area, career guidance programme will be conducted i.e. special team will visit and conduct awareness programme about the engineering studies to the +2 students studying in rural areas. The admission cell identifies the requirement of the transport facility for the subsequent years.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion
- **SC/ST**
- **OBC**
- **Women**

- **Differently abled**
- **Economically weaker sections**
- **Minority community**
- **Any other**

The institution is a self-financing institution affiliated to Anna University, Chennai. The institution strictly follows the admission policy of the University to provide access to students from the various sections of the society. In both U.G and P. G programmes, seats are allocated to the SC, ST, OBC, BC and differently abled as per Government Norms.

The following scholarship benefits are available for the students belonging to various categories:

- Full fee waiving for SC/ST Students. Government will provide full Tuition fees for college
- Government Scholarships are arranged for SC/ST & BC/MBC students.
- Waiving of Rs. 20,000/. in tuition fees for first graduates.

Eligible SC/ST, OBC, PWD students etc. for the scholarship should submit their scholarship form for the respective academic year by August.

SC/ST and OBC

Students from SC/ST/OBC are motivated for admission in our college at the enquiry saying that special care will be taken to provide financial assistance under special state Govt. schemes.

Women

The girl students prefer our institute in large numbers for admission because of the safety, security and discipline maintained in the institution. At the college level, it has been analyzed that the admission of women candidates to the college has constantly been around 40% of the total strength during the last four academic years. During the current academic year 2015-2016, out of the total strength 43.23 % are women candidates. Separate hostel facilities are available for women and around 1200 girl students are staying in hostel.

Differently-abled

There is reservation for students belonging to differently abled categories as per Anna university norms. The reservation for Differently Abled Persons candidates is 1 % for Orthopaedically Differently Abled Persons, 1 % for Hearing Impaired and 1 % for Visually Impaired. Candidates with permanent physical impairment of 40 % and above are considered as disabled. Their requirements and needs are given a special care and attention. The college ensures that all their classes are held on the ground floor only. We have instances of differently-abled students having successfully completed the course in our college. Ramps are provided to assist the physically challenged students. We provide special facilities in the rest room of physically challenged students. Wheel chairs are available for differently-abled students. At present there are 2% of such students studying in the college.

Economically weaker sections (scholarships)

The First Graduate scholarship scheme introduced by the Government of Tamilnadu encourages the first graduate from a family to pursue

professional education. After admission, the college assists the eligible students in obtaining government scholarships and applying for educational loans from the banking sector.

Outstanding achievers in sports and extracurricular activities

The single window counseling system has reservations for outstanding achievers in sports. The college encourages outstanding achievers in sports through a separate sports quota in which tuition fee is fully waived and college bears the hostel accommodation and food as well.

Minority community

The college under the direction from the Central Government, State Government and its affiliating university offers every possible help to the students belonging to the minority community.

Outstanding achievers in sports along with academic and extra-curricular activities are only qualified for the Best Outgoing Student Awards – One boy and one girl student from each department will be awarded during the Annual Day.

The below Table shows the number of students who received scholarships for the last four years

No of Students	2015-2016		2014-2015		2013-2014		2012-2013	
	BC/MBC /OBC	SC/ST /SCC	BC/MBC /OBC	SC/ST / SCC	BC/MBC /OBC	SC/ST / SCC	BC/MBC /OBC	SC/ST /SCC
	1699	592	1569	488	1364	392	1316	352

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase /decrease and actions initiated for improvement.

The number of applications and the demand ratio for the programmes offered is not known, since the admissions are made through the Directorate of Technical Education. However based on the opening cut off marks for a particular programme, the indication is obtained to either increase/decrease the intake for the programme.

SL. No	Programme	2015-2016			2014-2015			2013- 2014			2012-2013		
		Sanctioned Intake	Admission Strength	Demand Ratio	Sanctioned Intake	Admission Strength	Demand Ratio	Sanctioned Intake	Admission Strength	Demand Ratio	Sanctioned Intake	Admission Strength	Demand Ratio
						UG PROGRAMMES							
1	Civil	300	282	1: .9	180	191	1: 1	120	136	1: 1.1	120	123	1: 1
2	Mech.	300	296	1: .9	240	254	1: 1	120	136	1: 1.1	120	133	1: 1.1
3	ECE	300	264	1: .8	300	300	1: 1	300	303	1: 1	240	241	1: 1
4	EEE	120	125	1: 1	120	137	1: 1.1	120	118	1: .9	120	123	1: 1
5	CSE	240	242	1: 1	240	253	1: 1	240	208	1: .8	180	190	1: 1
6	IT	180	149	1: .8	180	165	1: .9	180	181	1: 1	180	174	1: .9
7	BME	60	64	1: 1	60	60	1: 1	60	56	1: .9	60	60	1:1

	PG PROGRAMMES												
1	M.E-PED	25	7	1: .2	25	13	1: .5	25	25	1: 1	25	25	1:1
2	M.E- AE	25	4	1: .1	25	16	1: .6	25	25	1:1	25	25	1:1
3	M.E-CSE	25	17	1:0.6	25	22	1:0.8	25	25	1:1	25	24	1:0.9
4	M.E-CSE with networks	18	9	1: .5	18	4	1:0.2	18	18	1:1	18	18	1:1
5	M.E-VLSI	36	20	1: .5	36	22	1: .6	36	36	1:1	36	36	1:1
6	M.E-Structural	36	32	1: .8	36	36	1:1	18	18	1:1	18	18	1:1
7	M.E- ED	18	2	1:0.1	18	8	1:0.4	18	17	1:0.9	18	7	1:0.3
8	MCA	120	111	1: .9	120	94	1: .7	120	90	1:0.7	120	116	1: .9
9	MBA	120	120	1:1	120	127	1: 1	120	109	1:0.9	120	123	1:1.0

Trends in admission

- The demand ratios of admissions to Civil and Mechanical engineering have remained Consistent in spite of doubling the strength in the last year. This indicates that these two programs have remained popular in the society and appears to be a preferred choice by students.
- The demand ratios of admissions to BME and EEE are consistent and this indicates that these two programs are still a popular choice among students in the society.
- ECE continues to remain as a popular choice.The employment opportunities continue to increase with digitations and IT services.
- Due to the initiatives taken by the government such as Digital India, Big Data, Internet of Things (IoT), the employment market in software industries had rapidly raised. This has resulted in increase in demand for admission to the department of IT.
- The college is taking measures to step up the demand ratio to 1 for these courses by enhancing the placement opportunities.

PG
- One of the reasons might be a hike in the graduate employment market
- Another might be that these courses are common PG courses offered by many colleges and students might prefer government and aided-colleges over a self-financing college.

2.2   Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently- abled students and ensure adherence to government policies in this regard?

Due care is taken for differently- abled students to make their stay in the institution comfortable and conducive for their learning. Special rest room is available in the ground floor. The class rooms, where the differently- abled students are attending are normally provided in the ground floor. The institution aims at creating a friendly environment for differently abled students and their mobility inside the college is ensured by providing ramps in

addition wheel chairs are readily available in the campus. They are provided front-row seating arrangement and comfortable furniture.

Library staff helps them in their library hours regarding book borrowing and they will be given addition care for their teaching learning process. They are also provided support in laboratory and workshops. Such students are attached to the faculty counselors to take care of their specific requirements. The college has health care center for immediate medical assistance within the campus and provides further health care at a concession rate in hospitals City Hospital, Vijaya Hospital, JCB Hospital which have a tie up with the trust. Moreover, tuition fee waiver scheme given by government has been applicable to all differently-abled students. There is a reservation for the physically challenged students as per the Anna University norms.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

Yes, an orientation / induction programme is organized by the Institution at the beginning of the year for the students. The Orientation Programme begins with a formal inauguration, in which either a Senior Alumni from industry or a Senior Professor (Anna University, IIT etc.,) who is also a motivational speaker addresses the students and the parents. This orientation programme provides awareness to the students about the facilities and features of the institution. Also the students are motivated in various aspects such as regular performance, exposure to placement, higher studies etc. The institution conducts bridge courses to the First year students to enrich their knowledge in specific basis required for engineering stream.

The student skills are assessed with the following criteria.

- Percentage of marks in higher secondary examination
- Interview of the student

Based on these, results, the students are divided into various groups to impart the following skills and knowledge programmes.

- English Language Skills.
- Oral Communication Skills.
- Written Communication and Analytical Skills.
- Computer and Internet Skills.
- Bridge courses by way of special class are being conducted on the subjects like Mathematics, Physics, Chemistry and Engineering Drawing for the student concerned

The faculty members interact formally as well as informally with the students during the first week of the programme so as to motivate the students in the basics before commencing with the regular teaching.

Materials Distributed

The following materials are distributed to the students on the day of orientation:

1. Academic Calendar
2. Prescribed Text Books
3. All materials relevant to I year Programme
4. Engineering drawing board, lab uniform material etc.

Table. The detail of the programme conducted before the commencement of class is as follows:

Sl. No	Content	Experts	Participant
1	Facilities in Library, Sports, Facilities for research, Internal mark assessment System, Computer facilities, online attendance, and accessing e-technical journals, rules and regulation of the college, other facilities including varies society such IEEE, IET etc, Association / Club activities, YRC, Blood donation, robotic club Address by the HODs	Principal, HODs of all the departments and Exam Cell Coordinator, Physical Director and Librarian	I Semester BE / B. Tech students
2	Introduction to MBA programme, students discipline, projects, facilities, co-curricular and extra-curricular activities, Timetable, Placement, Computer facility, Entrepreneurship details	Principal, HODs of all department and corresponding department coordinators	I Semester MBA/ ME Students
3	Campus/Department visit – Show laboratory facility available in each department	Senior professor of all the departments	I Semester BE / B. Tech students and parents
4	Enhancing Communication Skills, E-Learning, Developing Programming Skills, Best Practices of Learning, Developing Inter-Personal Skills, Developing Soft Skills and Developing Analytical Skills	Principal, HODs of MCA and corresponding department coordinators	I Semester MCA students

Mechanism for feedback

During the orientation, questions raised by the students/ parents are clarified and taken for consideration for improvement in the following year.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

Yes, the College provides bridge /Remedial /add - on courses.

Bridge Courses

Bridge courses are conducted for the students immediately after they join the first year, to enable smooth transition into college study from school level and polytechnic college. Most of the students getting admitted to the institution who come from various disciplines like Tamil medium and students from other states have major problem in English which is the medium of learning. A separate hour in timetable is allotted for English communication. Remedial course is conducted for Vocational students on the subjects Physics and Chemistry. For lateral entry students, this remedial course is conducted for providing fundamentals of mathematics. At the end of the course, tests are conducted to evaluate the acquired knowledge. Based on the feedback, subject faculty plans the teaching process. The flow chart give belows show the type of bridge course conducted

```
                        Bridge Course
     ┌──────────────┬──────────────┬──────────────┐
     ▼              ▼              ▼              ▼
Communication   Physical      Fundamentals     Mathematics
  English        Science      of Computing
```
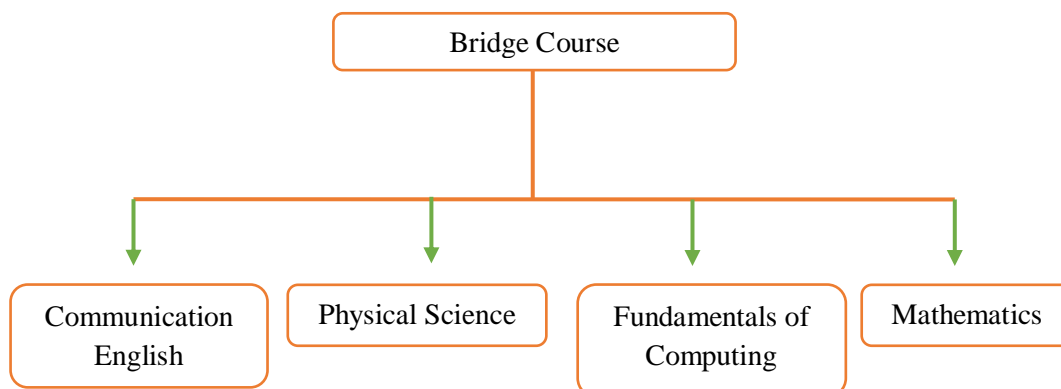
Remedial Classes

The students of both the categories namely slow and advance learners are identified on the basis of their percentage, classroom performance, regularity in submission of class works and assignments, punctuality and personal interactions. The college pays required attention to both the slow and advanced learners. Class-in-charges are appointed for every class to take special care to monitor, guide and help the slow learners for the improvement of the studies.

The institution also conducts remedial classes for average and below average students to increase their skills and competence. Internal Assessment tests are conducted to assess their subject knowledge.

After the completion of every Internal Assessment test, the weak students are counseled by the tutor, class coordinator and senior faculty team to get the feedback of their studies and personal issues so that, they can perform their studies in a particular defined way.

```
                   Remedial Course
          ┌──────────────────┴──────────────────┐
          ▼                                      ▼
   Slow Learner Class          Special Coaching Class - arrear student
```
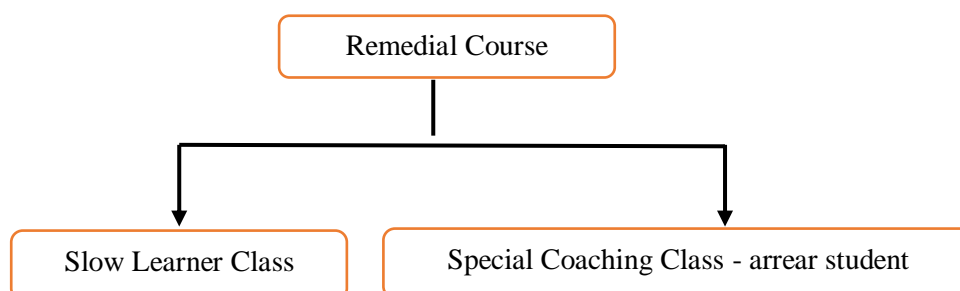
The details of the remedial classes conducted by CSE department is given as sample below.

Class: BE Year/Semester: III / V Department: CSE   Time: 3.25-4.25pm

S.No.	Day	Section			
		A	**B**	**C**	**D**
1	Monday	CN	CN	CN	CN
2	Tuesday	TOC	TOC	TOC	TOC
3	Wednesday	PP	PP	PP	PP
4	Thursday	SE	SE	SE	SE
5	Friday	SS	SS	SS	SS
6	Saturday	DM	DM	DM	DM

CN-Computer Networks; TOC-Theory of Computation; PP-Programming Paradigms; SE-Software Engineering; SS-System Software; DM-Discrete Mathematics

Note: The students who have failed in first serial test in the respective subject are instructed to attend the coaching class compulsorily. Attendance is compulsory.

Add-On Courses

General Courses

The college organizes a meeting exclusively for the third year students of all UG branches, explaining the options available in entrepreneurship and placement. The students are given additional training in the direction of their choice. The flow chart shows different types of Add-on Course for our students
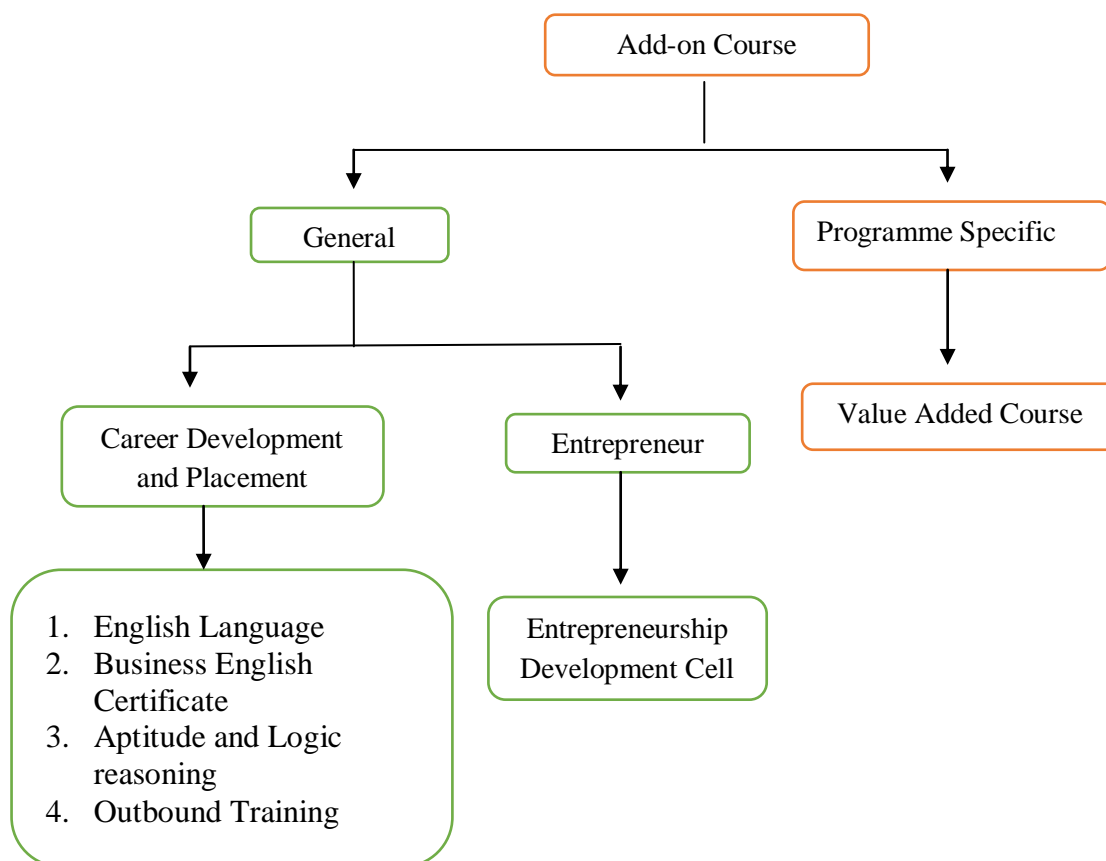
Some of the add-on /value added courses conducted by departments are givens below

S. No	Year of Study	Civil	Mechanical
1	First	1. BEC Training programme 2.Auto Cad	1. BEC Training programme 2.Auto Cad
2	Second	1.Industrial Training	1.Industrial Training 2.CNC Training
3	Third	1. Analysis of composite bridges 2. Urban area planning and development	1.CNC Training 2.Catia Training 3. Aspiring minds computer adaptive test(AMCAT) Training
4	Fourth	1. Latest developments in construction materials (Nano technology) 2. Water quality assessment and conservation techniques 3. Piping technology 4. Revit structure and autocad structure detailing	1. Finite Element Simulation Using Ansys 2.CTS pre placement talk 3.Quant/Apt Training by Smart Institute 4.Aspiring minds computer adaptive test(AMCAT) Logical/Verbal/Domain 5. C-Language Training by NIIT.

S. No	Year of Study	ECE	EEE
1	First	1. First Comprehensive Assessment to test the analytical ability and soft skills of the first year students.	1. M/s. Bell Soft, Chennai (Motivation Training Programme)
2	Second	1. English Language Enhancement 2. Aptitude training 3. Resume Preparation	-
3	Third	1. Mock Tests 2. Aptitude training 3. C,C++ Training	-
4	Fourth	1. FACE Training programme 2. Placement training- PHASE Training	1. M/s. FACE, Coimbatore (AMCAT Pattern) 2. M/s. Apt Training Resources, Chennai (Aptitude Skills) 3. M/s. Launchpad LLC, Chennai (Product based training) 4. M/S. Smart Training Resources, Chennai (Company Specific Training programme) 5. M/s. LIFE, Chennai (Infosys Specific training programme)

S. No	Year of Study	CSE	IT
1	First	1. Confidence Building 2. Orientation 3. Learning Skills	1. Confidence Building 2. Orientation 3. Learning Skills
2	Second	1. EMC academic associate cloud infrastructure and services	1. German Language 2. Confidence Building and communication Development program
3	Third	1. Oracle certified Associate 2. Oracle database 10g workshop 3. Java programming language Java SE 6.1.1 4. Java SE6 programmer certified professional	1.Google Apps development 2. C- Quiz contest 3. Communication Skills
4	Fourth	1. Aptitude Skills 2. AMCAT Pattern & Placement Training 3 CTS Specific Training 4. Wipro Specific Training 5. Infosys Specific Training	1. Aptitude Skills 2. AMCAT Pattern & Placement Training 3 CTS Specific Training 4. Wipro Specific Training 5.Infosys Specific Training

S. No	Year of Study	Biomedical Engineering
1	First	-
2	Second	-
3	Third	Course on MATLAB Course on C and C++ Course on Telemedicine and Telemetry
4	Fourth	Course on Embedded systems Course on LabVIEW

S. No	Year of Study	MBA	MCA
1	First	1.Bounce Academy 2.Launchpad Ltd	-
2	Second	1.Bounce Academy 2.Launchpad Ltd	1. M/s. Speed Learning Resources
3	Third		1. M/s. Ichieve Education Pvt Ltd., Chennai 2. M/s. FACE, Coimbatore 3. M/s. Apt Training Resources, Chennai 4. M/s. Smart Training Resources, Chennai

Placement Cell (PC) trains the students who are eligible for placement. The PC has faculty with varied experience from industries coordinating with the departments and the corporate. They design, develop and implement various training programmes for the students from the first year to final year. The PC also provides employability enhancement programmes right from the first semester with a focus on developing the technical and soft skills of the students. Training methodology is based on pre-assessment and grouping of students.

Entrepreneurship Development Cell (EDC) encourages students with innovative ideas

Programme Specific Courses

Technical Value added courses: Students are equipped with few value added courses for improving their technical skills. They are motivated to the Value Added courses of their choice, to pursue their domain interest. We have organized above 30 programme specific courses conducted by various departments. The table given below show, the sample data for different programme specific courses conducted for UG and PG students.

Converting the motives into objectives, value added courses are framed and executed. A few examples of the value added courses are
The table, show the programme specific courses conducted

S. No.	Department	Name of the value added course	No. of students enrolled	Year
1	Civil	Bridge design course	100	2015
		Piping technology	8	2015
		Revit Structure and Auto cad Structural Detailing	80	2016
2	Mechanical	Manufacturing process-Stamping, Injection moulding and Die casting.	299	2015
		Training on calibration	31	2014
3	ECE	C,C++ Training	135	2015
		Placement training-FACE Training	220	
		One day Hardware Training on signal Analyzer	30	
		ADS software Training & Hardware measurement	280	
		LABVIEW Awareness Programme for III year & IV Year students	500	2014
		FACE Training programme for IV year students	220	
		Department Association Inauguration (SECE)	600	
		Placement Training programme for IV year students	160	2012
		Add on course in LABVIEW module II for final year students	165	2014
		Add on course in LABVIEW module I for final year students	165	2013
4	EEE	Basics of Automation	69	2016
		Basics of Process Instrumentation	71	
		Basics of AC Drives	20	2015
		Basics of Process Instrumentation	21	
		Basics of Automation	83	2014
		Basics of Process Instrumentation	72	
		Basics of PLC	82	2013
		Basics of Process Instrumentation	54	
		Basics of AC Drives	52	
5	CSE	Oracle certified Associate	43	2012
		Oracle database 10g : workshop I	27	2013
		Java SE6 Programmer certified professional	25	2014
		EMC Academic Associate-Cloud Infrastructure and Services	133	2015
6	IT	D Link certified switching Professional	40	2014
		TCS Specific Training Programme By M/s. APT Training Resources, Chennai	166	2014
		Learning Skills By M/s. Maxires, Chennai	167	2014
		Microsoft .Net	30	2013
		Red Hat Enterprise Linux	3	2012

		CCNA	5	2012
		German Language Training Programme	40	2012
7	BME	Course on MATLAB	35	2014
		Course on Telemedicine and Telemetry	32	2015
		Course on Embedded systems	44	2015
		Course on LabVIEW	44	2015
8	MBA	SPSS	109	2015
		Case writing	105	2014
		Portfolio management	105	2013
9	MCA	Cisco Certified Network Associate	10	2015
		Cisco Certified Network Associate	20	2013
		Cisco Certified Network Associate	41	2012

A great deal of attention is paid to create motivation by the way of conducting enrichment courses like personality development programmes, workshops, technical festivals, conferences and symposia.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

- The institution never discriminates on gender and religious issues.
- A separate rest room is available for lady staff and girl students.
- Equal opportunities for women and men staff members in our Institution.
- All staff members and students are treated equally.
- All kinds of academic help are provided for the benefit of the economically and socially weaker section students.
- Last year the institute organized 10 days Yoga and meditation in-house training programme for faculty members
  - Physical Exercise
  - Kayakalpa Yoga
  - Meditation
  - Guest lectures

The various committees such as Women Empowerment cell, Grievance cum Redressal Cell are available for the welfare of the women staff and students and details are given in criterion 5.1.10

- Department Associations and Club activities.
- College discipline.
- Every year, Women's Day is celebrated with great enthusiasm with girl students and lady staff members
- Due representation for ladies is given in all the committees constituted in the institution.
- 24x7 security is provided both in the campus and in the ladies' hostel to ensure the safety of ladies.

The institution practices the spirit of equality and there is no partiality shown to students or staff on basis of caste, colour or creed. The motto "All for One" and "One for All" is practiced in its true spirit.

Under the Anna University curriculum, all the students have to audit and complete a course on Environmental Science &Engineering in the III/IV/V semester. The course emphasizes the need to respect and conserve the environment. Our college was established in 1984 and it is located 11.4KM away from the town. It is a pollution free campus with lots of trees planted in and around the college campus. It is well-connected by road and rail from Madurai and Trichy. Our institute received pollution free campus award from Tamilnadu pollution Control Board in 2013. NSS camps are organized for the students every year. Blood donation camp is organized by NSS frequently. The students come forward and donate blood. Regular medical checkup for the staff members is conducted by YRC every year. Seminars are conducted on Women Empowerment as well.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

The institution offers scope for advanced learners. They are identified
- By their performance in the class room.
- Performance in the end semester examinations.
- Participation in department activities.
- Prizes won in Co-curricular and extracurricular activities

Students are given guidance for
- Google, IBM training are providing for advance learner
- Faculty handle classes covering recent and advanced topics related to the subject, which are not in syllabus as well to cater to the needs of the advanced learners.
- Encouraged to participate in international and national conferences and technical symposiums.
- Full time project work or internships in industries or R&D establishments like Capgemini, Polaris, Wipro, iNautix Technologies Limited, Chennai etc., during 8th semester of the programme
- Exposure to the Industry representative through closed group interactions and industrial visits example Roots India Ltd, Coimbatore for mechanical students.
- Regular invited special lectures by experts from prestigious institutions like IIT, NIT, PSG, TCE Madurai, DRDO, Anna University etc.
- They are led to participate in Value added courses, Certification courses like LabView, Auto Cad, CNC training, PLC, JAVA Certification and so on.
- External human resources are utilized for conducting coaching classes for TANCET / GATE/ GRE etc. by each department.
- Advanced learners are assigned with seminar topics to improve their skills and also for the benefit of other students
- By providing access to centre of Excellence research lab in-house
  - Agilent Keysight Communication etc.

▪ Siemens, West Germany
▪ Research Park is initiated in our institution in collaboration with the Industry or group of Industries
▪ Centre for innovation and incubation (CII) in collaboration with Soliton Technologies, Bangalore
▪ Research centre with D-Link

Students are advised to participate in British English Course to develop their oral and written communication skills. The detail of ECE students appeared and cleared the exam is provided below.

Batch	Appeared	Passed
2012-2013	94	94
2011-2012	47	47
2010-2011	35	35

Use of Information and Communication Technology (ICT)

Inorder to cater to the needs of advanced learners, the institution is leveraging the use of ICT in variety of forms.

▪ WiFi enabled campus.
▪ Class rooms are fitted with LCD projectors connected with networked computer to facilitate the extensive use of ICT resources.
▪ In PSNA CET, the faculty members from all the departments had given video lectures and these video lectures are published in the PSNA CET website. The faculty and the students can make use of this facility.
▪ Faculty and students get access to the various library networks.
▪ The digital library of PSNA CET provides access for e- journal access.
▪ In library, NPTEL video lectures, course era materials and other MOOC contents are available
▪ Five numbers of Smart boards with all its softwares and accessories are available in the campus. This facility can be used to record and store the subject materials written in the smart board. This material can be referred by students as notes later on.
▪ A well equipped language laboratory is available to train students with language and communication skills using ICT resources in English department. On-line tests will be conducted regularly for training the students for placement. Posting of course materials and laboratory manuals is facilitated using ICT.
▪ In order to train the students for campus placements in MNCs, ICT enabled resources are utilized. Students have become quite familiar with online tests (online quantitative, verbal and reasoning test based on the MNC such as CTS, Inautix, INFOSYS, WIPRO patterns)
▪ Academic and other important information are directed to the students and parents through bulk SMS service.

2.2.6 **How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?**

There have been always a very less number of dropouts in UG in the last few years as the institute has a sound system of identifying such students through counseling and mentoring.

The college conducts three assessment tests before the university exam for all the students. The slow learners and those who fail in the exam are given special coaching (Remedial class). Each faculty acts as tutor for a group of 15 - 20 students and they are monitored academically and non-academically. They are also given advice after class hours and are motivated by providing additional learning material such as text books and solved question papers of previous year university examination.

Students are counseled periodically, (fortnightly/ monthly) about their academic performance, financial problem, hostel problem and other personal problems. If required, parents are invited for counseling along with the students. Students' progress report tutor file is maintained by the respective tutor from the first to final semester. Parents / Guardians are informed about the performance of the students on monthly basis. Also we display all the information in our college web portal which could be easily accessed by the parents from home
(http://117.239.107.75/psnawebauto/Home_Page/home.php).

In each hostel 6 - 7 resident staff members stay and they teach problem related subjects and clearing the doubt at any time also ensure that the students make optimum use of the study time. The institution also applies innovative teaching methodology which allows both the slow and advanced learners to take up combined learning. A qualified senior Chief counselor Dr. Kartheeban (Contact No: 9842634540), psychologist is also present to handle complicated issues.

Usually the student discontinues either due to lack of understanding or lack of interest. Such students are identified during the first semester of the study itself and given special counseling by the tutor and the psychologist to understand their problem. The management has always been gentle and magnanimous in dealing with students from poor economic background with regard to tuition fee payments, hostel boarding and lodging fee etc.,

2.3 **Teaching-Learning Process**

2.3.1 **How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)**

The Teaching Learning process is the back bone of the academic system of any institution. PSNACET gives utmost care on teaching learning

process so as the communication reaches all the students of different groups at grass root levels.

The institution follows the academic calendar which is released by the Anna University. Based on the academic calendar the institution frames the academic schedule for each semester and publishes in the College prospectus, staff circular and college website before the beginning of every academic year. It provides plan for the academic year to students, teachers and parents. They are aware of various academic events/activities well in advance. The academic calendar consists of the following information.

- Vision and mission of the college
- College rules and regulations
- Academic events
- Assessment schedules
- Sports schedules
- List of holidays
- Schedule of curricular and extra-curricular activities
- Seminar and conference
- Guest-lectures, symposium, cultural day, industrial visit

The academic year consists of two semesters. Before the beginning of every semester, the HoD convenes a meeting to collect the willingness for handling various courses. Then the HoD allocates the subjects based on their expertise and willingness.

After the subject allocation, the faculty prepares a detailed theory course file that includes lesson plan, previous year university question bank, 2 mark and 16-mark question booklet for each unit, solution bank, Power point Presentations, etc., in concurrence with the syllabus prescribed by Anna University. The faculty follows the lesson plan, which contains the details regarding course objectives to be achieved, details of contents to be covered, the kinds of teaching aids and the logistics to be used inside the class room and is prepared with the help of the academic calendar.

The course files are checked by HoD and Principal, who verify the contents and quality of materials prepared by the subject teachers. Faculty handles the classes with teaching aids like Power Point presentations, OHP projectors etc. Regular functioning of classes and laboratories are monitored by the HoD along with academic facilitators allotted for each department. Timetable is prepared and displayed on the notice board. Also, the timetables are placed in the intranet of the institute and faculty time tables are displayed in college web portal. Various time tables include such as Class timetable for regular classes, Lab timetables to the Anna University and prescribed text books for all the subjects are issued to students on the college reopen day.

The faculty who handle the subject also suggest text books and reference books order are placed to procure new text books if required, through the central library and ensures the availability of enough number of copies in the central and department libraries.

The laboratory in-charges are allotted based on their expetises and they prepare the lab course file that includes the schedule of experiments, lab manuals, etc. Each laboratory in charge submits the lab readiness report before the semester and ensures the availability of equipment, consumables, etc.

The evaluation blue print consists of the following components.

- Theory and practical examinations consist of two components namely, external evaluation 80% marks and internal evaluation 20% marks.
- The external evaluation is the responsibility of the Anna university.

The faculty maintains the log book specifying the details of the topics taught in the classroom and entering the marks for various tests and daily attendance. The departmental level committees such as Examination Committee, Time-table Committee are involved in this process. Generally, a senior professor from each department is appointed as an internal vigilance squad for the smooth conduct of internal assessment tests.

Feedbacks from the students and academic facilitators are collected periodically through class committee meeting and faculty concerned makes use of the same to readdress the requirements. As per Anna University norms the institution conducts three internal assessment tests. Students' performance in these tests and attendance is intimated to both students and parents through the web portal and by personal letters. After completion of each internal assessment tests, class committee convenor organizes the meeting with students alone to discuss the issues regarding each subject and how to improve the pass percentage for the next assessment tests. Batch co-coordinators and counselors conduct counseling sessions to weak students so that their academic performance can be improved in the future examinations.

Our institute has excellent tutor system followed with 15- 20 student allotted for each faculty and so individual attention is given to all students. At the end of each semester, university examinations are conducted as per the university schedule which is centrally evaluated by the university and the semester results are published before the beginning of the next semester. On announcement of the results, faculty/batch incharge of each department conducts a detailed result analysis where the performance of students in each subject is analysed and the reasons for failure is deliberated. The academic process is refined and remedial steps are taken to improve the performance in subsequent semesters.

The numbers of mini projects which are completed in the last four years are shown in table below.

	No of Mini Projects			
	2012-2013	2013 – 14	2014 – 15	2015 -16
No of students	245	247	260	250

Student and staff circular for conducting class committee – sample CSE department.

2014-2015								
	Sem Name		**III**		**V**		**VII**	
Odd Sem	Date of Class Committee Meeting	A	29.7.14	A	12.8.14	A	4.8.14
		B	28.7.14	B	11.8.14	B	5.8.14
		C	30.7.14	C	14.8.14	C	6.8.14
		D	31.7.14	D	13.8.14	D	6.8.14
Even Sem	Sem Name		IV		VI		VIII	
	Date of Class Committee Meeting	A	19.2.15	A	23.2.15	A	25.2.15
		B	20.2.15	B	23.2.15	B	26.2.15
		C	20.2.15	C	24.2.15	C	27.2.15
		D	20.2.15	D	24.2.15	D	25.2.15

2.3.2 How does Internal Quality Assurance Cell (IQAC) contribute to improve the teaching –learning process?

The institution established IQAC cell on 2nd July 2016. However the college has evolved its own quality assurance mechanisms at various levels of teaching –learning process with various committees. They are as follows
- Assessment committee (Course file maintenance)
- Class Committee
- Student feedback
- Programme Assessment Committee and
- Department Acadmic council (HoD) to monitor and for the betterment of teaching learning process

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The college supports student-centric learning through its efforts at creating a learning environment which allows students to acquire critical thinking, interpersonal communication skill, listening, problem solving and Knowledge management skill team work and group interaction all of which enable the students for lifelong learning. The basic strategy adopted is to provide students with a diversity of learning experiences.
The strategies in this regard are as follows
- Using ICT tool such as OHP, LCD and wi-fi to provide live demo video for some concept explaniation are made more interactive teaching.
- In order to learn the practical courses more effectively, third year students do mini projects and submit Project Exhibition organized by each department. This makes the students learn more about the applicability of the subject in real world problems.
- Institute invites eminent personalities, entrepreneurs and industry resource persons to share their success stories with our students.
- One period in a week is dedicated for student's web browing, library and seminar to improve the advance learning activity strengthening of library resources sand services. Library is well-stocked and fully computerized with a collection of the latest books and journals.

- Students are also encouraged to use the library independently that enhances their knowledge.
  - National level symposiums in all Departments provide a platform for the students to acquire additional knowledge apart from regular class room teaching.
  - Moreover the students themselves organize and participate in various technical events. These programs are fully "student-centric" and they nurture their organizational and management skills apart from enriching their technical knowledge. We have organized 80 such events in the last four years
  - During every class hour, active learning takes place by making the students to recall the topic discussed during the previous day. They are freely allowed to interact/interrupt at any point of time to clear doubts. Since the lesson plans and detailed lecture plans are distributed to the students at the beginning of the semester, more number of students interacts. In the same way at the end of each hour, the faculty summarizes the content.
  - Students publish their scientific articles in the symposia and conferences conducted by other colleges. Our students are published around 200 articles in symposia and conferences
  - The students are encouraged to organize project expos. Every year IEEE and Biomedical society organize project expo for our college students.
  - Annual Magazines and Bi-annual newsletters help the students to showcase their literary and technical creativity making learning more exciting.
  - Field trips are arranged for students by the departments to visit industries to enhance their practical knowledge.
  - Different forums such as IET, Biomedical society, NSS, Quiz are available for the all-round development of the students.
  - The college also encourages the use of internet (wi-fi) and computers by the staff to show the live demo lecture to delively some topic to students
  - The Department of Management studies organizes Entrepreneurship Development activities.
  - Periodically National and International Conferences are organized by the institution to cultivate the interactive learning among students.
  - Separate tutorial periods for problem related subject is planned for the student, in which the students will be given with tutorial sheets with set of problems. Individually or forming a team, the students will try to figure out the solution. By the end of the session, the solutions will be discussed.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

The learning activities adopted are student-centric. The faculties motivate them to participate in various extra mural activities in technical

festivals. The long list of prizes won by our students in technical festivals and other state level competitions bears a testimony to it.

All the departments have professional society associations under which several programmes are conducted to nurture creativity and scientific temper among the students. The programmes organized by the associations include

- Guest lectures in latest topics, Expert lectures in emerging technologies
- Student seminars, Workshops to enhance technical skills of the students
- Technical Quiz, Paper presentations, Mini projects, Essay writing
- Circuit Debugging, State level technical symposiums, National and international conferences.

The institution also awards prizes to the best project by students in every department as evaluated by the respective HoDs and cash prizes and certificates are issued to the winners. Last year 30 students received cash price and certificate for our prime minister dream project of digital India Contest (http://www.psnacet.edu.in/2016digitalindiap.php).

In the laboratory classes, students are also provided with facilities to carry out additional experiments beyond the curriculum and make their own observations so that they are imbibed with scientific temper. Library hours are made compulsory in the time table and the students are encouraged to go through the journals to get an exposure to the recent developments in their branch of specialization and to realize that lifelong learning is essential to keep pace with the advancing technology and to ensure a successful career.

Students are encouraged to interact and learn from the successful industrialists and entrepreneurs during the alumini meet. This motivates the students to excel in their future endeavour. Students are also motivated to go for training, internship (or in plant) at leading Industries and research institutes. From the second year on-wards placement training hours are made compulsory in the time table and the MoUs with varies industries help the students to do mini projects and Online Certifications. Our institute has signed 70 MoUs with different companies in different regions of India for enhancement of student learning activity. Details of MoUs are given in criterion 3.7.2.

In the last three years 400 students have involved in Field work / Internship / project work in different discipline at various companies and the details are given in the following table.

Sl. No	Event	2013 – 14	2014 – 15	2015 -16
1	Field work / Internship / project work	143	186	71

The institution motivates the students to participate in academic activities at Regional and National level and also organizes academic activities at Departmental and Intercollegiate Level. In the last four years 2194 students took part in academic activity in different disciplines, 5178 students took part at Departmental and Intercollegiate Level as shown in the table.

Sl. No	Activities	No of Students			
		2012-13	**2013– 14**	**2014– 15**	**2015-16**
1	Regional and National Level	161	618	659	756
2	Departmental and Intercollegiate Level	217	1321	1312	2328

During the last four years 479 presentations and publications are done by students at the Regional / National / International conferences and Journals. Every year, the departments arrange industrial visit, around 3064 students visited various industries in the last two years are given in the following table

Company	No of Student Visit	
	2014 – 15	**2015 -16**
Ultra Tech, RMC plant, Coiambatore, Rayalaseema concrete sleepers private limited, ACC cement plant, ROOTS Industries India, Coimbatore, NSR FARM FRESH (Cold storage Plant) Thadikombu-Dindigul, ACREX India 2015, Bangalore, Safe Software and Integrated Solutions Pvt. Ltd, Maas Tech Private Ltd, Hindustan Heavy Electricals Coimbatore, Ramco Cements Virudhunagar, Sangeeth Wind Mills, Kethanur Thiruppur, GD Electrical Equipments, Coimbatore, Padmavahini Transformers PVT Ltd Coimbatore, Regen Power Tech PVT Ltd Udumalpet, TNEB Substation, Sempatti, KST Wind Engg.PVT.Ltd. Annapoorani Electricals, Inautix Technologies, Bharat Sanchar Nigam Limited, Lansa Informatics, Accent Techno Soft, Purplepro Infotech, HCL Info System Ltd, Purplepro Infotech, Doclick Solutions, Poras Technologies, Purple Info Tech, Coimbatore, Mindmade Software solutions, Coimbatore, CYS Multimedia, Coimbatore, KG Hospitals, Coimbatore, United India Foods, Dindigul, Elechem Technik Pvt Ltd., Bengaluru, Classic Polo, Dharapuram, Hydax Hydraulics, Bangalore, KC Milk Pvt Ltd., Vedasandur, Naga Foods Ltd., Dindigul, TATA Tea Estate, Munnar, Kerala, Mookambigai Textiles, Vadamadurai, RCRS, Thandikudi	1739	1325

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

Innovative practices in pedagogy are added to assure and enhance our academic quality. The use of modern multimedia teaching aids like OHP, LCD projectors, internet enabled computer systems are usually employed in classroom instructions as well as in other students learning activities.
Courses use the following teaching aids in addition to the lecture method:

- 50 percentages of classrooms in each department is well equipped with LCD projectors and Wi-Fi and portable equipments like laptops, OHPs.
- Every year, training program is organized for teaching faculty at junior level.
- Computer assisted learning is available in different computer labs attached to individual departments.
- Each department also conducts one-day seminar or workshop as per the requirements of the new developments in the subjects.
- The institute has subscribed for online databases which include journals and transaction papers from IEEE, ASME, etc.
- One of the teaching staff members is in charge of the department library.
- ICT infrastructure with multimedia facilities is available in the departmental libraries.

E-learning – resources

- Digital Library is provided to the students to get acquainted with the recent trends in the industry.
- The senior faculty members from each department deliver video lectures periodically and it is shared with the students through college website – digital library.
- In addition, Students are given access to online transactions of IEEE, Springer, etc.
- Teachers effectively utilize Audio Visual aids to demonstrate the concepts effectively to the students to make learning experience wonderful.
- Language Laboratory is made open to all students. The Software with lab focuses on all four skills of language (LSRW, L- learning, S-speaking, R-reading, W-writing). Student who uses this software will get proficient in all the four skills of English Department.
- The students are also encouraged to use computer software packages such as Pspice, Orcad, labview etc for meaningful analysis of the experimental data collected/acquired by them.

Open Educational Resources

- Students are given access to Video Contents of NPTEL to improve the quality of self-learning.
- Spoken Tutorial is an Audio-Video based teaching tool which is used to teach open source software in an easy way.

Mobile Learning

- The institution provides Wi-Fi connectivity for 24 x 7 learning.
- The Institute provides a High speed internet access facility with the speed 256 Mbps to enable access of open e-resources, free journals, e-books etc., to the students and staff.
- A number of faculty are trained in Wipro's Mission 10X Faculty empowerment programme who in turn induce & disseminate the innovative teaching methods to their department faculty. Electrical Department has Mission 10 X lab in collaboration with Wipro for student project creation.

2.3.6 **How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?**

- Faculty Development Programmes, Seminars, Workshops etc. are arranged by the college for the faculty members.
- The College also sponsors the faculty members to attend FDP, Seminar, and Workshop outside the college for interacting with experts in their field and help them update with recent global developments.
- Guest lectures by eminent people from industries/other academic institutions like IIT and NIT are arranged at regular intervals for the students and faculty.
- Faculty are encouraged to publish papers in High impact factor journals.
- Our faculty members published 602 papers in scopus indexed Journal.
- IEEE journals are available online. There are good collections of recently published books in the main/department libraries.
- The institute encourages students to register in online courses for promoting continuous learning programmes, academic enhancement programmes, conferences and workshops by providing on-duty.
- Professional bodies like ISTE, organize events such as seminars, conferences in order to bring in awareness of advances in technology specific to their branches.
- The faculty is encouraged to participate in in-house training, faculty development programmes, orientation programmes and refresher courses.
- Educational tours are also arranged.
- Audio and video extracts from the speech of eminent CEOs are shown and discussed in the classroom
- Teachers are sponsored for doing Masters/ Ph.D. degree in different university such as Anna University, IIT, NIT etc. Teachers are deputed with full financial support for attending Workshops/ Conferences/ FDPs.
- Research and R & D are promoted and efforts are made to obtain sponsored R & D and consultancy projects.
- The students are encouraged in develop mini-projects while learning subjects like Embedded System, Computer Networks, software coding etc.

Faculty Development Programmes/Seminars/Workshops are arranged by the college for enhancing the technical skills of the faculty and student members. In the last four years our college organized many programmes in various department and details are shown in the table.

Sl. No	Programme – FDP/ Workshop/ seminar, etc	Department	No of participated
1	FDP/ Workshop/ seminar	Civil	453
2	FDP/ Workshop/ seminar	Mechanical	455
3	FDP/ Workshop/ seminar	ECE	2404
4	FDP/ Workshop/ seminar	EEE	208
5	FDP/ Workshop/ seminar	CSE	2534
6	FDP/ Workshop/ seminar	IT	295
7	FDP/ Workshop/ seminar	BME	1389
8	FDP/ Workshop/ seminar	MBA	346
9	FDP/ Workshop/ seminar	MCA	51
10	FDP/ Workshop/ seminar	Chemistry	60
11	FDP/ Workshop/ seminar	English	200
	Total		**7999**

The faculty members are encouraged to participate in training, faculty development programmes and orientation programmes outside the college. In the last four years 412 faculty members attended such programme in various programmes as shown in the table.

Sl. No	Programme – FDP/ Workshop/ seminar, etc – Outside the College	Department	No of Faculty Attended
1	FDP/ Workshop/ seminar	Civil	38
2	FDP/ Workshop/ seminar	Mechanical	24
3	FDP/ Workshop/ seminar	ECE	106
4	FDP/ Workshop/ seminar	EEE	54
5	FDP/ Workshop/ seminar	CSE	57
6	FDP/ Workshop/ seminar	IT	48
7	FDP/ Workshop/ seminar	BME	15
8	FDP/ Workshop/ seminar	MBA	25
9	FDP/ Workshop/ seminar	MCA	20
10	FDP/ Workshop/ seminar	Chemistry	11
11	FDP/ Workshop/ seminar	Physics	8
12	FDP/ Workshop/ seminar	Maths	6
	Total		**412**

Guest lectures by eminent people from industries/other academic institutions - students and faculty

Each department in our college frequently organizes guest lectures by eminent people from industries/other academic institutions. Our college organized varies guest lectures in the last four years. Department wise guest lecture details and number of faculty and students attended for the last three years are shown in the table below.

Sl. No	Department	Number of Guest Lecture	No. of faculty and students attended
1	Civil	11	721
2	Mechanical	27	4556
3	ECE	11	1105
4	EEE	5	150
5	CSE	32	3228
6	IT	12	866
7	BME	4	630
8	MBA	34	4420
9	MCA	15	4245
10	Maths	6	1100
	Total	**135**	**21021**

2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?

Career Guidance and Counseling Cell:
▪ A Tutor is deputed for every 15 students and he/she will continue to be the advisor for the particular student till he completes his course by monitoring the growth of the students and their academic needs, giving general counseling etc.
▪ Parent-teacher meeting is conducted every semester to convey the academic progress and to improve the parent –teacher student relationship.
▪ The tutor is constantly in touch with the parent/guardian of the respective students through phone calls and text messages.
▪ Tutor maintains the complete profile of the students to monitor the growth of the students.

Each class will be allotted with a faculty advisor, batch coordinator and counselor for academic and personal guidance. The duties of these officers are to carefully monitor the student activities like regularity of attendance, participation in seminars and the performance of the students in internal assessment tests and semester examinations.

Mentoring
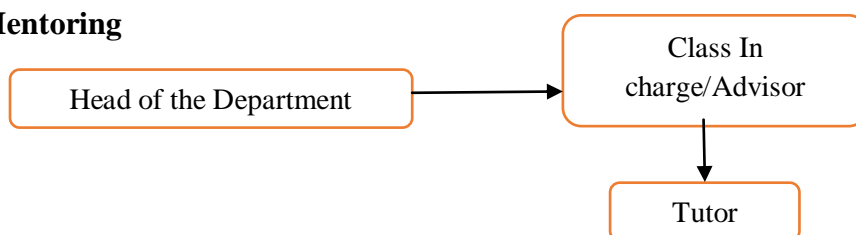
The duties of Tutor and Course Coordinator are mentioned below:

Sl. No	Types of Mentoring	Nature of Duty
1	Tutor (Faculty Mentor)	1. A Tutor is in-charge of 15 students in a class. 2. Daily attendance is monitored by the respective tutors and duly informed to the parents. 3. The student record is maintained with following information ▪ Personal information, ▪ Academic performance, ▪ Details of internship, In plant and Industrial Trainings, Scholarship received, ▪ Co- Curricular, Extra – Curricular Activities, Placement details ▪ Any problems faced / disciplinary actions are recorded. 4. Student's academic performance is reported to their parents in the form of progress report.
2	Class In charge/Advisor	1. Monitors the performance of the students through tutors. 2. Guides and counsels their respective class students. 3. Counseling the students and interaction with the parents. 4. Academic Coordinator conducts 2 – 3 class committee meetings per semester, consisting of student representatives and the respective staff handling the course to discuss the discipline and overall performance.
3	Psychological Counselling- Dr. Kartheeban	Psychological Counseling is provided by Trained Psychologist and Counselor, to handle the emotional problems faced by the students
4	Women Empowerment Cell	1. Women Empowerment Cell promotes gender equality and gender amity. 2. A special help line is created to help girl students if they have any complaints. 3. The Cell has been engaged in organizing various activities such as lectures, seminars, panel discussions, elocutions, role plays, etc., to create awareness among women staff and girl students.

Blood donation camps are organized every ever during Founder's Day and students voluntarily donate blood.

Placement Cell (PC)

▪ The Placement Cell of the college helps the students to take charge of their career development.

- The Cell also helps and developing skills that employer look for by conducting training workshops.
- A number of employers participate in on-campus presentations, talks and workshops. Campus recruitments are organized to help the students find placements in companies of repute.
- The institution organizes various placement drives at the campus by inviting MNC's and many National level industry houses of repute.

Grievance Redressal Cell

- There is an organized procedure followed for redressing grievances regarding academic matters, hostel accommodation, health services, library, transportation and other central services.
- The cell functions under the guidance of the Principal in consultation with members of committee and legal expertise.
- It focuses on addressing the basic problems of boarders regarding mess and other amenities, encourages the students to express their grievances, to promote healthy student-student and student-teacher relationship etc.
- A Complaint note is kept on the campus and in the hostel. The grievance is taken up by the members of the committee, discussed by the team, and the redressed.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years. What are the efforts made by the institute to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

The following innovative teaching approaches/methods are adopted by the faculty.

- ICT tools are extensively used to augment conventional black board teaching.
- Faculty makes use of models, graphs, Power Point presentations through LCD and overhead projector to present the content in the syllabus.
- For conceptual understanding of the subject, mini projects are given to the students.
- Faculty makes use of research laboratory set ups for clear understanding of the subjects concept.
- In order to cater to needs of the research activities by different departments, the management of the college has made Centre of Excellence in RF Communication and circuit Design (Keysight-PSNA), Automation and Drives (PSNA-SIEMENS) etc. with all the infrastructure and instrumentation required by the departments. This in itself is a huge encouragement for the faculty to pursue their research activities within the institution. These facilities would also help in Institutional- Industry interaction in research and development in engineering and sciences.
- Faculty members are encouraged and sponsored to publish in Journals and present papers in Seminars and Conferences.
- Faculty members are deputed with full financial support for attending Workshops /Conferences / FDPs.
- Feedback on lectures is obtained from the students.

- Students are allotted topics to prepare power point presentations and class seminars are held.
- Special classes are held for slow learners and advanced learners
- Industrial visits are organized from time to time.
- Association activities which are done on weekly basis in which all the students in the class will be provided with opportunity to explore some ideas and present it before their fellow class mates
- The faculty undergoes mission 10x training programme and adopt innovative teaching methodologies for each unit of individual subject and the same is monitored by the academic facilitator.
- The faculty is encouraged to apply for projects,and research grants to different funding agencies such as AICTE, DST, DBT, Tamil Nadu Science and Technology etc., which help to enhance professional competence and increase promotional avenues to the staff
- The faculty is also encouraged to publish their research findings in National and International journals and a part of the publication cost is reimbursed by the institution.
- The faculty members are recognized for their teaching performance by means of giving due weightage while computing the Faculty Performance Appraisal & Development System (*FPADS*) as one of the major factors. Also the performance in the research is one of the assessment factors for computing *FPADS*.
- All the examination records are tabulated and the data is maintained by individual department.

2.3.9 How are library resources used to augment the teaching- learning process?

The institution has well equipped central library. The library helps the students with latest books and services.

- Every class has one compulsory library hour / week for permitting the students to access the reference books and journals which augments the learning process.
- The working hours of central library is from 8.30 am to 8.00 pm in all the working days and 9.00 am to 4.30 pm during the holidays so that the hostel students can use all the facilities of library.
- Students can access e-journals during the library hours and after college hours.
- The student can search library resources by entering the keywords such as author, title, publisher and year of publication etc., The E-resources can be accessed throughout the campus through an IP address (http://192.168.10.5/)
- Student are benefited using Inter Library Loan Service – Detail are given in criterion 4.2.6.
- The library has 88405 volumes and 38355 titles of text books covering all disciplines of engineering and technology, science and humanities, management studies and computer applications.
- The library has a collection of more than 10,000 digital materials, which includes educational oriented CDs, floppies, audio cassettes, video cassettes, e-books, monographs and 162-NPTEL videos.

- At present the library subscribes more than 2626 scholarly e-journals under AICTE INDEST consortium (2015-2016).
- The major e-journal packages are IEEE, ASCE, ASME and Elsevier-Science Direct.
- The library provides online access to a large number of open source journals and books from various leading publishers and it has been hyperlinked to our digital library for quick reference.
- Apart from e-journal subscription, the library also subscribes 121 print versions of journals (2015-16).
- All the books are bar-coded in the library &barcode laser scanners are used in the issue counter for book transaction.

Library benefits availed by the faculty and students are as follows
1. Digital Library with multimedia facilities (http://192.168.10.5/).
2. NPTEL (National Programme on Technology Enhanced Learning) facility.
3. Reprographic, Document scanning and printing facility.
4. Audio visual.
5. Internet, E-Books, E-journals & Educational oriented videos.
6. Downloadable facility for previous year question papers
7. OPAC (Online Public Access Cataloguing Service)
8. Self Renewal and Reservation of books.
9. CD ROM lending.
10. Inter – Library loan.
11. Computerized indexing of library resources with Bar Code.
12. Standard Classification & Cataloguing of books and non books.
13. Back Volumes of Journals and Magazine
14. UG and PG Students Project dissertation are available
    - No of reference books: 38355 titles
    - No of journals (including online journals): 2626
    - No of volumes of books: 88405

The details about the utilization of library resources are given in section 4.2.5.

In addition to the above, each department has its own departmental library which stacks commonly used text books to cater to the Anna University Curriculum.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

No, the institution has a planning committee which prepares academic calendar of the institution well ahead of time based on the academic calendar prescribed by Anna University and ensures that there is sufficient number of working days to cover the syllabus and to carry out the evaluation process.

The number of working days per semester is always more than the number of days stipulated by the University in order to include the improvement classes for the slow learners and to conduct model examinations for the lab courses. The schedule for the completion of each unit is prepared

by the planning committee and circulated to the subject teacher before the commencement of the semester.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

Quality of teaching learning is monitored and evaluated by the Dean Academic. The Heads of the departments conduct regular class committee meetings every month during the semester wherein the students share independent views about the subject teacher on aspects such as pace of the coverage, ability to clear doubts, understanding the concepts of the subjects, solving of problems, punctuality to class and engaging the class for the stipulated duration.

Internal Assessment Tests and University Result analysis at the end of the semester also helps the faculty to make the required changes in their teaching methodology.

<u>Self-appraisal of Faculty Members:</u>

All the faculty members are required to submit Faculty Performance Appraisal & Development System (FPADS) report every year in the prescribed format. – Refer the criterion 6.3.3.

<u>Review of faculty self-appraisal final report:</u>

This in turn is analyzed by the Principal and the score sheet of each faculty member is prepared. The consolidated strength and weakness of the faculty along with the Principal's feedback is informed to the faculty through one to one meeting for further improvement.

2.4   Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

The Institution selects qualified and competent persons by a well-defined procedure:

- Vacancies are advertised in leading national newspapers and in College Website.
- AICTE qualification norms are followed while scrutinizing the applications.
- The screened candidates are called for an interview.
- The Staff Selection Committee comprises the Vice-chairman, the Principal, one external subject experts from IIT/NIT and two internal subject experts (HoD from same department and Core department HoD)
- The candidates are asked to demonstrate their teaching skills by delivering lectures for a few minutes before the selection committee. Based on their teaching skills, research attitude and other skills, the candidates are selected.
- The Principal issues the appointment order.
- The appointments are approved by the management committee during its regular meetings.

- The selected candidate is appointed initially on probation for one year.
- The Management committee ratifies his / her appointment based on the appraisal report approved by the Principal.
- The college has highly qualified and competent faculty force including 107 PhD degree holders for handling the subjects.
- The Institute extends latest AICTE pay scale to the faculty.
- Institute has adopted every year increments and promotions.
- Maternity (for lady staff) leave is sanctioned to the faculty as per institution norms.
- The staff members are also provided with other requisite facilities like Earn Leave, Casual Leave, HRA, EPF and health care benefits.
- Financial incentives are provided to the faculty who have completed PhD – Rs 10000/pm (Engineering) and Rs 5000/pm (Science & Humanities)

All the above welfare measures contribute to the retention of faculty. As per the NBA 2013 committee feedback and report, the institution has a good faculty retention ratio.

Number of qualified Teaching Faculty (2015-2016) gender wise

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
PhD	33	11	21	4	21	17	107
M.Phil.	-	-	3	-	24	45	72
PG	2	0	17	6	134	87	246

*There are no temporary teachers and part time teachers in the institution.

2.4.2 **How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

The best and qualified teachers are appointed in the Institution.
- To attract the new faculty and to retain the existing teachers the college provides requisite facilities like research facilities such as library, internet.
- The Institution pays higher scales to better qualified teachers or resource persons.
- More guest lectures, workshops, seminars and conferences are arranged in the identified and specific fields.
- In addition to this the college has subscribed to various journals which keep the teachers updated on the latest developments in their field of interest.
- The institute recruits only PG and higher qualified candidates as faculty.

- Number of faculty with Ph D qualification is 107 and compared to the surrounding colleges our Institution has more number of doctorates.
- During the last three years many of our teachers have participated in number of state and national level conferences and workshops.
- The college encourages the faculty members to attend orientation and refresher courses and other training programmes that would improve their teaching and knowledge.
- Senior teaching faculties are recruited who are capable of mentoring junior faculty in subject preparation and teaching methodologies.
- As stated earlier, the college has more than sufficient number of qualified and competent teachers to handle the courses offered.
- In addition the college invites experts to deliver guest lecture in the selected areas of interest. Our Institute offers bio-medical Engineering.
- Guest faculty members are invited on a regular basis to update the knowledge of faculty and students on special subjects such as Cloud Computing, Automation, robotics, VLSI design etc. During the last 3 years about 50 such guest lectures were delivered at this institution.
- All these facilities attract the teachers.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

The Management has a positive attitude for the professional development of the faculty in acquiring the knowledge of recent developments and engaging them in the research activities. The following are some of the highlights:

- Deputation to National/International Conference / Seminars: The Institution provides travel grant to the faculty.
- In-service training: Faculty Development programmes are offered.Conducting of workshop/ guest lecture: The Institution provides Rs. 50,000 for organizing national workshop and Rs. 10000 for guest lecture.
- Organizing of National/International Conferences: The Institution provides seed money of Rs. 50,000 for organizing National seminars and Rs. 2, 00,000 for International conferences.
- The institution in collaboration with Wipro Technologies trains faculty members for MISSION 10x programme for getting trained in software technology.
- Our institute has nominated many faculties to attend academic staff development programmes in various department for the last four years

The following table shows number of faculty nominated for Academic Staff Development Programmes during the last four years.

a) **Nomination to Staff Development Programme**

Department	Academic Staff Development Programmes	Number of faculty nominated
Civil	Refresher courses	02
	HRD programmes/FDP Programme	08
	Staff training conducted by the university	03
	Staff training conducted by other department	07
	Summer / winter schools, workshops, etc.	04
Mechanical	Refresher courses	02
	HRD programmes/FDP Programme	79
	Staff training conducted by the university	06
	Staff training conducted by other department	10
	Summer / winter schools, workshops, etc.	01
ECE	HRD programmes/ FDP Programme	43
	Staff training conducted by the university	17
	Staff training conducted by other department	20
	Summer / winter schools, workshops, etc.	57
EEE	Refresher courses	01
	HRD programmes / FDP Programme	20
	Orientation programmes	02
	Staff training conducted by other department	04
	Summer / winter schools, workshops, etc.	27
CSE	Refresher courses	16
	HRD programmes/FDP Programme	59
	Orientation programmes	15
	Staff training conducted by the university	01
	Summer / winter schools, workshops, etc.	56
IT	Refresher courses	10
	HRD programmes/FDP Programme	23
	Orientation programmes	05
	Staff training conducted by the university	25
	Staff training conducted by other department	22
	Summer / winter schools, workshops, etc.	06
BME	Refresher courses	09
	HRD programmes/FDP Programme	13
	Staff training conducted by the university	04
	Staff training conducted by other department	10
	Summer / winter schools, workshops, etc.	23
MBA	HRD programmes/FDP Programme	52
	Summer / winter schools, workshops, etc.	22
MCA	HRD programmes / FDP Programme	07
	Summer / winter schools, workshops, etc.	27
Maths	Staff training conducted by the university	06
	Total	**724**

b) **Faculty Training Programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching – learning**.

Our institute organized/attended 200 programmes such as FDP, seminar and workshop for the last four years. The tables given below show the details of Programmes organized/attended by various departments from the year 2012 to 2016 (Nos. only).

O – Organized   **A – Attended**

Department	Name of Programme	2012-2013		2013-2014		2014-2015		2015-2016	
		O	A	O	A	O	A	O	A
Civil	FDP	-	8	01	7	2	8	01	-
	Seminar	-	2	03	6	-	4	5	01
	Workshop	-	5	03	04	04	5	03	01
Mechanical	FDP	02	10	01	15	05	54	01	-
ECE	FDP	-	2	-	3	6	17	8	21
	Seminar	-	-	-	1	-	3	-	3
	Workshop	1	6	3	11	3	18	6	22
EEE	FDP/Seminar	1	3	2	9	1	12	1	14
	Workshop	0	4	0	25	2	13	4	25
CSE	FDP	2	8	-	19	1	5	1	35
	Seminar	-	7	3	39	2	21	2	23
	Workshop	4	5	3	45	5	58	7	22
IT	FDP	2	22	1	25	1	24	1	26
	Seminar	1	26	1	27	4	26	1	27
	Workshop	3	24	2	23	2	27	2	22
BME	FDP	-	-	01	-	01	-	01	01
	Seminar	01	-	01	-	-	-	02	01
	Workshop	-	-	03	06	06	02	03	01
MBA	FDP	2	18	2	18	2	19	1	-
	Workshop	3	5	3	4	3	4	-	-
MCA	FDP	2	24	-	1	-	1	-	6
	Seminar	1	1	2	5	2	1	4	4
	Workshop	2	6	1	8	2	16	1	4
Maths	FDP	-	-	-	-	-	-	-	4
Physics	FDP	-	-	-	-	-	-	-	4
Chemistry	FDP	-	-	-	-	-	-	-	14
English	Seminar	-	-	-	-	2	-	1	-

c) Percentage of faculty
- **invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies**
- **Participated in external Workshops / Seminars /Conferences recognized by national/ international professional bodies (%)**
- **Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies (%)**

Sl. No	Department	Invited as resource persons	Participated	Presented
1	Civil	25	30	30
2	Mechanical	-	10.4	4.1
3	ECE	22	31	31
4	EEE	25	25	40
5	CSE	23	34	18.6
6	IT	21	14	42
7	BME	25	25	25
8	MBA	100	100	100
9	MCA	23	100	20
10	Chemistry	-	65	65
11	Maths	-	17	30

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

The Management encourages the professional development of the faculty in acquiring the knowledge of recent developments and engaging them in the research activities.

Research Grants Incentive

- The faculty members are encouraged unstinted for the preparation of Project Proposals.
- The proposal prepared by the faculty is forwarded through the Proper Channel to the Funding Agency.
- If the Principal investigator is invited for presenting his/her idea to the Funding Agency's Selection Committee, the Principal investigator is given leave, On duty along with TA and DA for the same.
- On granting the fund by any of the agency, the PI is given autonomy to procure equipments or consumables or recruit Project Assistants or Research assistants through proper approval from higher officials.

The Institute grants study leave for faculty pursuing post-graduation and grants OD for the course work of PhD programmes. Institute offers desktop with internet facilities to senior faculty and the entire campus is Wi-Fi enabled. Less work load for faculty pursuing Ph. D and innovative research facilitation to pursue research work by procuring necessary equipment, software etc.

Nomination to National/ International conferences/Seminars

The faculty members are eligible to avail a maximum of 15 days of Special causal leave (SCL) in an academic year, for attending Conferences/ Workshops/ Seminars/ Symposia, etc.

- Registration fee is partially sponsored for presenting papers in conferences.
- Special leave to act as resource person in Conferences, to chair technical sessions and to act as a member in the Board of Studies.
- Travelling expense is reimbursed by the management

In-house training

- A number of programmes are organized within the college
- Training, mentorship and team-building skills
- Awareness sessions on Outcome Based Education
- Awareness sessions on Accreditation by NAAC
- Promote use of new and alternative methods of teaching
- Faculty members are also encouraged to attend Conferences
- /Workshops / Seminars / FDPs / Summer School / Winter School programmes organized by other reputed institutions and industries to keep themselves competent.

Organizing National/International conferences

The faculty members are encouraged to organize National and International Conferences. The Management financially supports such events. All these initiatives keep up the energy of the faculty high. The faculties in all departments are encouraged to engage in research. All the major departments have their Masters degree in different specializations. Hence, there is a very good opportunity to constantly engage in some research. The findings of the work are published periodically in National and International Journals.

Faculty Development Programmes:

The Institution in collaboration with Wipro Technologies offered MISSION 10x programme to train faculty members to excel in effective teaching methodologies.

2.4.5 **Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.**

▪ 15 awards / recognition are received at the state, national and international level for excellence in teaching during the last four years.

Following are the major awards received by the faculty from various state and national level bodies

Dept	Name of the Faculty Member	Award/ Recognition	Name of the Society / Organisation	Venue and Date
ECE	Dr. G. Athisha	Vidya Ratan Award	The Economic for Health and Educational Growth	29.4.2013
ECE	Mr.S.Karthikeyan	Award of excellence as faculty coordinator	IIT	Mumbai,2013-2014
ECE	Mr.S.Karthikeyan	Certificate of Honour	Jayaram College of Engg. & Tech.	Trichy,2013
ECE	Miss. S. Sobana	Best Innovator and best achiever award	Karpagam Engineering college	Coimbatore, 2014
ECE	Mr.R.Saravanan	Best Innovator and best achiever award	Karpagam Engineering college	Coimbatore, 2014
MBA	Dr.S.Manimaran	Best Professor	WEC 13-14	Singapore 14
MBA	Dr.T.Muthupandian	Outstanding Faculty	NFED	Chennai 05/09/13
MBA	Dr.T.Muthupandian	Senior Educator and Scholar	NFED	Coimbatore 05/09/14
MBA	Dr.T.Muthupandian	Best Professor of the year	ASDF Global	Bengaluru 10/12/14
MBA	Dr.T.Muthupandian	Outstanding Faculty	VIFFA 2015	Chennai 2015
MBA	Ms.P.Vijayalakshmi	Senior Educator and Researcher	NFED	2015-16

MBA	Ms.R.Sindhya	Senior Educator and Researcher	NFED	2015-16
MBA	Dr.T.Muthupandian	Award for Excellence	MTC Global	Bangalore 2015
MBA	Dr.T.Muthupandian	Teacher of Excellence	Navraj Trust	Coimbatore 2015
MBA	Dr.T.Muthupandian	Best Non Circuit Teacher Award	SIAA	Chennai February 2016
MCA	Mr.S.Jaiganesh	Centre of Excellence for Teaching & Research	National Foundation for Entrepreneurship Development	NFED Office, Chennai / 5.9.15
MCA	Dr. P. Babu	Best Motivator Award	Indian Red Cross Society and Meenakshi Mission Research Center	Madurai / 01.10.2015
Mech	Dr.G.Magudeeswaran	Outstanding faculty award	Venus international foundation	Chennai 05.07.2015

2.4.6   Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes, at the end of each semester every faculty member is assessed by all students of the class by filling a feedback form. We also have the following evaluation methods to monitor Teaching-Learning Process:

- Student Feedback System
- Class Room Observation by HOD and Professors
- Faculty Performance Appraisal & Development System (FPADS)
- Class Committee Review
  - The analysis shows a clear idea of the positives and negatives of the faculty in handling the class during the semester. This information is given to the respective faculty for further correction if required.
- Separate tutorials note book / tutorial sheets are provided to the Students. Tutorial note books are issued at the beginning of the semester. Tutorial note books are evaluated and returned to the students within 3 working days.
  - Nearly 6 -10 tutorial problems depending upon the nature of subject will be solved by students in each tutorial class.
  - Two faculty members monitoring the students and clear their doubts during tutorial hour
  - Each department have separate class room for conducting tutorial classes

2.5   Evaluation Process and Reforms

2.5.1   How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- The stakeholders of the institution i.e. students and faculty members and even the parents of the students are informed about evaluation process by giving general instructions mentioned in the prospectus of the institution.

- During the orientation programme the newly admitted students are updated about the attendance requirements as well as the pass percentage and grading systems.
- The regulations, curricula and syllabi of all the programmes offered by the Institute are available in the departments and the affiliated University websites. The regulations contain the details of the evaluation process.
- The periodic instructions issued by the parent university are promptly communicated to the students. The faculty members read the instructions in the classrooms and copy of the same is also displayed on the student's notice board.
- The previous university examination question papers and model papers are made available to the students in the digital libraries
- Students are clearly made aware of the eligibility conditions required to appear in the final exams. They are informed of the criterion of the internal assessment through circulars in college website (www.psnacet.edu.in), notice board and incorporation of the schedule in the college Calendar. Hard copies of the records is maintained, and the students and the faculty can access the same when required.
- Syllabus is divided into five units respectively term wise keeping in view the selection of material and the provision of revision to help the students understand and assimilate what has been taught.
- The books to be followed are clearly instructed and the books are distributed to all the students during the reopening date of every semester and the same available in library.
- The students and faculty are informed about tests and exams through circular both hard copy and e-mail.
- The University publishes the semester examination marks and internal marks in the Anna University websites. The Department sends periodic results of the students through post to the parents.
- Time to time staff meetings are also conducted concerning evaluation process. The details of the evaluation system are explained to the students in the Class committee meetings.
- The evaluation is the integral part of teaching learning process. So, the institution makes effective arrangements for the smooth application of the rules about the evaluation processes.

2.5.2 **What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?**

Institution being permanently affiliated to Anna University, Chennai, is obliged to adhere to the evaluation reforms implemented by the university. The major evaluation reforms by the university are:
- The evaluation processes are automated through internet facilities. The faculty enters attendance and Internal Assessment marks of the students periodically in the Anna University Web portal.
- The University appoints examiners for the practical examinations and viva voce examinations

- The Institute sends its faculty members as examiners to evaluate semester answer scripts to the affiliating University
- University maintains complete information of teachers and their subjects of specialization for both theory and labs. There is a chance given to the students to apply for revaluation where the university introduced a method of applying for xerox copies of answer scripts for revaluation.
- This will be evaluated by respective subject teacher. They reevaluate the paper in turn can recommend for challenge valuation.
- The fees for the challenge valuation will be refunded if there is a change in the grade.
- The students can view the internal marks in university web-portal after every assessment entry.
- Registration of elective subjects can be done through Web Portal

The college has devised systematic evaluation procedures, assessment indicators and procedures in strict agreement with university. It has adopted various university reforms concerning evaluation viz.

- The institution in turn provides complete information about all assessment test dates, class committee meetings in academic calendar.
- Question papers are prepared by the respective department and tests are conducted centrally by the Examination Cell.
- The answer papers are distributed to the students and the answers are discussed.
- Special coaching classes are conducted for students who fail to secure the minimum percentage of marks. All the test marks are informed to parents and progress reports are distributed and signed by the parents in every parents- teachers meeting.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- Our institute is an affiliated college; it follows the rules prescribed by the University.
- The evaluation reforms of the university are followed in the best of the spirit. The evaluation is fairly by shuffling the booklets along the different section handling faculty and the students go through the evaluated answer scripts. Any doubt about evaluation is made clear to the stubdents. All the records are maintained i.e. answer Booklet, mark lists etc.
- For the assessment tests, faculty prepares three different sets of question papers and the HOD selects the best one according to the quality and correctness of the question papers. The model practical examinations are conducted as per the pattern suggested by the University.
- Serial tests are taken and record is kept.
- Whenever Internal Assessment tests are taken the results of the students' performance/awards are shown to the students to encourage them or counsel them for better future performance. Regular assignments are given and solutions are discussed in the class.

- On duty (SCL) is sanctioned to the faculty going for central valuation of answer papers organized by the University every semester. The institution creates awareness to the students on the procedures for revaluation through circulars and class teachers.

2.5.4   Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

Our college adopts Formative and Summative evaluation approaches to measure student achievement in a programme.

Formative Assessment

- All the faculty members follow the formative approach to measure students' achievements & performance through:
  - Assignments, Tutorial Session, Seminar
  - Class interactions during teaching, Group discussions
  - Workshops/Seminars, Overall attendance
  - Continuous internal assessment having 20% weightage as compared to 80% summative evaluation ensures regularity in classroom. It improves the student performance in the university examination.

Summative Assessment

- For summative approach three Internal Assessment tests are taken in the college. This process helps the students to gain confidence and to achieve good results.
- Finally, the university conducts end semester examination at the end of each semester in the following forms.
  - Written Exams, Practical Exams, Comprehensive Viva voce
  - Project work
  - Three reviews are conducted to evaluate the main project in addition to the viva voce examinations.
  - The marks obtained in various tests are informed (by the Tutor) to the parents through post and discussed in the parents' teacher meeting. The marks are also entered in the proctor file which is used for personal counselling, guidance and deciding remedial classes for the weak students.
  - The impact of the above protocol has manifested in the improved the pass percentage by about 5 – 6%.

2.5.5   Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)

- The college adopts the system specified by the Anna University for internal mark determination. The internal marks are automatically generated by the system and published in the Anna University website.
- Students are informed about calculation of internal marks in the class as soon as they join the college. The evaluated internal assessment booklet

is immediately returned to the candidates after obtaining the acknowledgment in the register by the teacher.

- The Internal marks obtained are displayed in the notice board for the students to ensure rigor and transparency in the internal assessment.
- Parents of slow learners are informed about the special remedial classes needed for their ward during this meeting.

Setting question papers and evaluation of answer scripts for internal tests.

- To ensure thoroughness and to minimize human errors, three differentsets of questions are set by each teacher for each test
- The Department HOD scrutinizes these and selects one.
- The tests are conducted by centralized exam cell, answer booklets are shuffled to be evaluated by the other section handling faculty
- Detailed scheme of valuation and answer key is prepared by the teacher prior to correcting the answer scripts and this forms the basis for marking the answer scripts
- The corrected scripts are returned to the students for self-assessment.
- For the lab courses, the marks scored by the student for each experiment is indicated in the observation / record. For the practical examinations, the exams are conducted by an internal examiner and an external examiner appointed by the Anna University.

Project Evaluation

Right from the initial stages of defining the problem, the candidate has to submit the progress reports periodically and also present (Three reviews) the progress in the form of presentations in-front of the review committee members in addition to the regular discussion with the guide and the Project coordinator.

The parents are informed about the performance of the students through progress report, tutor system, counseling, parent teachers meeting, College website, etc.

Placement training is provided to the students beyond curriculum. Behavioral aspects, aptitude and communication skills are comprehensively addressed in the placement training provided to the students. Communication skills are tested through report writings, presentations and group discussions.

2.5.6 What are the graduate attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

The Graduate Attributes are specified by the affiliating university in the form of Programme Outcomes (PO) specific to each and every programme offered by the University. These POs are aligned with the Engineering Graduate attributes, viz:

- Engineering Knowledge
- Problem Analysis
- Design & Development of Solution
- Investigation of Complex Problem
- Modern Tools Usage
- Engineer and Society

- Environment & Sustainability
- Ethics
- Individual & Team work
- Communication
- Project Management & Finance
- Lifelong Learning

The sample given below explains how mechanical engineering student achieved graduate attributes through PO.

A. PROGRAM OUTCOMES (PO)
Mechanical Engineering Graduates will be able to:

a. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems

b. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

c. Design/Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental conditions.

d. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

e. Modern tool usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

f. The Engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety. Legal and cultural issues and the consequent responsibilities relevant to the professional engineering practices.

g. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.

h. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

i. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

j. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

k. Project management and finance: Demonstrate knowledge and understand the engineering and management principles and apply these

to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments

l. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

The programme outcomes are achieved through curriculum that offers a number of elective courses. Each course has defined course outcomes that are mapped to the programme outcomes and a set of performance criteria that are used to provide quantitative measurement of how well course outcomes are achieved. The course outcomes are thus directly and quantitatively assessed.

CO – PO Mapping

Course Name: Engineering Graphics (C106) Year of Study: 2014-15
Course or Subject Code: GE6152 Semester: I

C106.1	Students will be able to draw free hand sketch using different types of geometrical constructions and Curves.
C1062	Students will be able to draw orthographic projection of lines and plane surfaces
C106.3	Students will be able to draw the projections of various simple solids in different orientation and position.
C106.4	Students will be able to apply the knowledge acquired on practical applications of sectioning and development of solids
C106.5	Students will be able to draw isometric and perspective projections of components
C106.6	Students will be able to understand and apply different machine drawing techniques for different engineering field

Course Outcomes	Pos											
	A	b	c	d	E	f	g	h	i	j	K	L
C106.1	2	2	2	2	-	-	-	-	-	-	-	-
C1062	2	-	2	-	-	2	-	-	-	-	-	-
C106.3	2	-	2	-	-	-	-	-	-	-		-
C106.4	-	2	2	--	-	-	-	2	-	-	-	-
C106.5	-	-	2	-	-	-	-	-	-	-	-	-
C106.6	2	-	2	-	-	-	-	2	-	-	-	-

1: Slight (Low)   2: Moderate (Medium)   3: Substantial (High)

With the implementation of the specified delivery methods, the effectiveness of the courses is enhanced. The following lists the different modes of content delivery of the courses:

M1: Lecture interspersed with discussions
M2: Presentations using OHP/LCD Projector
M3: Tutorial session
M4: Demonstrations
M5: Individual/ Group project
M6: Seminars & Assignments
M7: Expert(Guest) Lectures
M8: Industrial Visit

Evaluation and assessment plan consists of the following components:
- Class attendance and participation in class discussions etc.
- Homework and Assignments, Projects
- Internal Assessment Examinations, Independent learning and behavioral aspects
- End-Semester Examinations, Paper presentations, Feedbacks

Attainment of each level of the process is monitored by appropriate mechanisms and modifications and improvements are made so that every chain of the loop progresses towards the attainment of Graduate attributes.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

Roles and Responsibilities - Grievance redressal committee
Internal Assessment

After every exam the paper are distributed in class and answers are discussed. The results of individual students are recorded in the faculty record. Evaluated answer papers are returned to the students.

Students can approach the teachers in case they need a clarification on the award of marks. Mark list is forwarded to the class advisor who consolidates the results of the respective class. Intimation on examination results are sent to the parents of all the students in the form of a report.

University examinations –In the case of university examinations, there is a mechanism adopted by the University for Redressal of grievances. Within the stipulated days of the announcement of the results, students can apply for revaluation/rechecking (xerox copies of the evaluated answer scripts) through the Anna University Exam cell of the college. Subject faculty and the department HoD under instructions from Principal forwards applications for revaluation to the university and follow it up regularly for speedy redressal of grievances. If the students are not satisfied with the revaluation they can apply for review of the revaluation results.

Cases involving sexual harassment or sexual misconduct; cases involving discrimination on the basis of race, color, age, national origin, religion, gender, sexual orientation, disability, or any other protected status; and cases involving allegations of fraud or plagiarism in research are dealt with seriously.

The grievance once received, the convener shall be responsible for the distribution of a copy of the grievance to the other members of the Grievance Appeal Committee.

2.6 Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

Yes, as the Institution is practicing the Outcome Based Education, all the programmes have clearly defined their learning outcomes for all the courses. Seven UG Engineering and MCA programmes are accredidated by NBA in 2013.

The vision and mission of the institution clearly states and stresses on the holistic development and passion for learning of the individual. The vision and mission of the institution of the institute is displayed at the entrance of every department building. Every department has well defined Programme Education Objectives (PEO). Further, they have clearly defined Programme Outcomes (PO) and course outcomes (CO) and cross mapping has been done in between PEO, PO and CO. Moreover, evaluation of each PO and CO is done to check whether students have achieved them.

PEOs and POs are displayed and made available in prominent places like:
- HOD room, All notice boards, Laboratories
- College bulletins, College website
- Front Office area, Main lobby, each floor corridor and hostels
- Intranet which makes it feasible for student and staff to refer to it at any time.

The students are made aware of the learning outcomes in the classrooms, in the Class committee meetings and the meetings conducted by the HoD from time to time. The faculty is made aware of the learning outcomes for each course which is clearly indicated in the curriculum provided to the students. In lesson plan course objective and outcomes are clearly indicated.

The learning outcome for each subject is specified in the syllabus copy provided by the university. The learning outcomes are specified in the lesson plan which is a part of the staff course file. Lesson plans are reviewed by the respective HOD to ensure that the objectives are met. After the completion of every unit, the faculty discusses the learning outcomes related to that unit with the students.

The results of Outcome Assessment are used to evaluate the effectiveness of academic programs and activities, and student services, and not the performance of individual faculty. The faculty uses the information collected to develop and improve academic programmes.

2.6.2   Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The Institution conducts internal assessment tests as per the Anna university schedule and the marks are analyzed on various parameters.
The class in-charge compiles the marks obtained by the students of the class in all courses in each test and analyses the performance with respect to
- Pass percentage for each subject
- Number of failures in each subject
- Comparison of pass percentages in the different subjects
- Number of students failed in one/ two/ three subjects
- Overall pass percentage of the class

Progress report indicating University marks, performance in internal assessment tests and the attendance are uploaded in the web portal. The students and parents can look at the details by visiting the website using their respective user IDs (University Register Number), Parents of underperforming students are informed by the faculty advisor over phone and if necessary they are asked to meet the HoD. During the interaction with the faculty advisor and HoD, steps to correct and improve the performance of the students are thoroughly discussed with the parent and student. The same will be implemented and progress is monitored. Subject- wise feedback is collected twice a semester from students during class committee meeting.

Following are the data of the student achievements in university examinations UG and PG Programme

Programmes	UG /PG	Number of Students Appeared				Number of Students Passed				Pass Percentage			
		2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16
Civil	UG	68	80	78	150	64	76	76		94	95	97	-
	PG	14	18	18	36	14	18	16	20	100	100	88	55
Mech	UG	145	172	157	151	113	131	132	-	77	76	84	-
	PG	9	7	17	8	9	7	17	-	100	100	100	-
ECE	UG	136	165	219	282	120	115	178	196	88	69	81	69
	PG	25	25	25	16	25	25	25	14	100	100	100	87
	PG	35	36	36	22	35	36	36	17	100	100	100	77
EEE	UG	130	161	157	140	109	140	124		83	86	78	
	PG	24	25	25		24	25	25		100	100	100	
CSE	UG	150	158	212	212	128	125	186	-	85	79	87	-
	PG	24	24	23	-	24	24	23	-	100	100	100	-
IT	UG	124	147	164	189	107	118	140	140	86	88	85	74
	PG	19	18	18	5	19	18	18	5	100	100	100	100
BME	UG	175	175	169	186	139	121	132	128	79	69	78	68
MBA	PG	123	109	127	120	94	71	83	-	71	64	77	-
MCA	PG	93	114	125	-	87	101	120		93	88	96	-

University Rank List for the Past Four Years (Nos) – UG and PG

Department	UG/PG	2012-13	2013-14	2014-15
Civil	UG	14	20	01
	PG	04	02	01
Mechanical	UG	5	21	1
	PG	-	1	3
ECE	UG	24	20	3
	PG - AE	2	2	2
	PG - VLSI	1	12	2
CSE	UG	44	26	8
	PG	16	2	7
IT	UG	30	14	1
	PG	1	1	--
EEE	UG	15	16	01
	PG	5	3	04
Biomedical	UG	04	03	01
MBA	PG	15	4	5
MCA	PG	9	5	3

Overall College UG Result and Ranking

Month/ Year	Nov/ Dec 2012	Apr/ May 2013	Nov/ Dec 2013	Apr/ May 2014	Nov/ Dec 2014
Ranking	53	59	37	126	105
Student based pass %	67.51	74.09	62.51	65.98	62.50

Looking at the data of UG results, the overall achievement of the college has been commendable and the achievement of the students and faculty has placed the college among the top 5 of the engineering Colleges in Tamil Nadu. The number of University rank holders has also shown marked improvement over the years. It is evident that the pass percentage of the students is the highest in our zone amongst all affiliated colleges of Anna University.

The extract of result and rankings published by Anna University each year is as follows. The last Rank list released by Anna University during Nov/Dec 2014 stated that our college securing 159 ranks includes three gold medals, four silver medals and three bronze medals. Also our institute has been first ranked among 527 Engineering Colleges (http://psnacet.edu.in/2014rankmedia/).

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The Institute aims to help students to reach their potential through the provision of a supportive, vibrant and challenging learning environment. All the staff are involved in the construction of this learning environment. All the students are valued equally during their learning journey with the institute.

Accordingly, the curriculum, teaching and learning and assessment at college are student centric.

The College recruits competent staff in the concerned field with right experience, skills and knowledge. The faculty engages the students in group discussions, debating on topics, conducting quiz sessions, showing videos on the subject, etc. as per the requirement of the course. This enables the students to be more confident and develops an analytical mind.

At the end of the semester, the attainment of COs and POs is assessed by various feedback mechanisms and further improvement in the teaching – learning process in planned and executed.

To periodically review, obtain feedback and keep track of the course of achievement of learning outcomes. The staff member has to prepare a lesson plan for each subject that covers all the portions and estimated time to complete the syllabus with in date fixed in the academic calendar

Few teaching, learning and assessment strategies that facilitate the achievement of intended learning outcome are:

- Students need to submit two assignments for each unit to assess their subject understanding. One is based on the curriculum and the other is innovative assignment.
- One period for seminar hour is assigned in class time table; all the students are given with seminar topics by which improvement in interpersonal skills is observed.
- The regular two-hour placement training provides training on group discussion, communication skill, aptitude etc.
- A sample of the feedback mechanisms used are
  - Students' feedback twice in a semester
  - Project Reviews
  - Course exit survey at the end of every semester
  - Analysis of internal assessement Test Performance by course in charges.

The Institution conducts the internal examinations as per Anna university schedule and the marks are displayed on the notice board. The names, photographs and marks of the top scorers are displayed in the notice board of the department.

4.6.4   What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

Every institute has social as well as economic responsibility. The courses run by college have both social and economic relevance. The college understands its responsibility in the socio economic parameters.

- Every academic year project expo has been conducted for the pre final year students by the institution to exhibit the student's innovation on their respective specialization.
- To motivate the first year students Science Day has been celebrated by the department of Humanities and Science.

- To enhance the technical expertise of the student's national level technical symposia has been conducted by the institution to present papers on advanced areas of their specialization.

As the students take responsibility in conducting many activities/events they develop confidence, better problem solving skills, better decision making capacity and leadership qualities which helps them to undertake challenging assignments in the future. Example IT-GOOGLE STUDENTS CLUB

Our institution has structured committees like Training and Placement Cell, Entrepreneurship Development cell, Research and Development Cell, Cultural committee, Mentor committee etc. to help students to achieve social and economic responsibilities.

The Training and Placement Cell consists of a Placement officer, Placement Coordinators (faculty members) and student placement coordinators from each department and takes care of training the students towards on campus and off campus recruitment.

The communication skills of the students are augmented by the English department. The department offers Business English Certificate course which is made compulsory for the third year students.

Online tests, Personality development programme, Soft skill training programme have been conducted periodically to develop their interpersonal skills to make the students industry-ready. The Placement Cell every year organizes the Career Guidance Programme through experts from different field to guide the students to choose the right career prospects and frame their development plans.

Testing students in the technical and aptitude through comprehension test to enable students appear for recruitment and competitive examinations like GATE, CAT, GRE, and GMAT.

The institution has established an Entrepreneurship Development Cell that teaches the students on how to establish their own businesses and be "job givers" and not "job seekers".

My-IDEA Contest is organized through which the Best Idea from each department is selected and cash Prize of Rs.5000 is awarded. Further the winner has to present the Idea at IIT, Madras where the idea may be selected for further funding.

Project Expo' is conducted at college level and five best projects will be exhibited by each department. The expert members from Industry and academia are invited to evaluate the projects exhibited. The best project from each department is selected and the Cash Prize is awarded. National Science Day is celebrated in the month of February by organizing SCIENCE EXPO or talent hunt for school students.

The following steps are taken to enable students in innovation and research:

- Conducing technical symposium and competitions to bring out students' innovative ideas
- Sponsoring students to present/publish research papers in international conferences and journals.
- Encouraging students to take up mini projects of social relevance where in innovation is an integral part and offering financial assistance for the successful completion of these types of project works. Example CSE students innovated Evote Software

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

The Institution has specified procedure to collect and analyze data on student learning outcome; the following points are adopted by the institute in this context:

- Continuous evaluation comprising of internal tests, assignments, group discussions and seminar presentations.
- Tutorials, class tests, viva in the lab
- Mini project
- Annual system of examination for all courses (End semester university exam).
- Seminar presentation by students.

The Institute has taken the following steps to overcome the barriers:

- Providing Question bank of various subjects to the students.
- Distributing answer books to students to make them understand their relative strengths and weaknesses.
- Conducting Extra classes for weak students to improve their performance.
- Class committee meeting has been conducted every month.
- Internal Assessment Exam Result is analyzed by the faculty Advisor of the class and it provides room to conduct coaching class for the slow learners.
- Employer's feedback registers are maintained regularly.
- Every department maintain experts' opinion register (about the college and department)

Alumni Meeting is conducted by the institution every year at different location such as Chennai, Bangalore and foreign country to get the feedback from the passed out students. Last year PSNACET Alumni Get-Together meeting was organized in Dubai on 19th February-2016.

Feedback on teaching methodologies, course delivery, attitude, strengths and weaknesses, difficulties faced in the subject give a clear idea about the problems faced by the students which helps to overcome the barriers of learning. These issues are then addressed by the HOD in regular meetings and the corrective measures/ suggestions are implemented under the guidance of the Principal with the consent of the management.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

The institution has a clearly defined process to monitor and ensure the achievement of the learning outcomes. The learning outcomes are defined and measured at two levels-course outcomes (COs) and program outcomes (POs).
A Outcome Assessment committee involving the stakeholders of the programme meets periodically to review and develop the programme educational objectives. The establishment of the PEOs is done based the needs of stakeholders. The inputs to the PEO statement formation committee include

1. Analysis of the samples of employer satisfaction report
2. Alumni survey report
3. Mintues of the Alumni Advisory Board

Based on the suggestions collect from above committee the PEOs are defined.

In the detailed Instructional System Design of each course, the details such as PEO, PO, PEO-PO mapping, CO, CO-PO mapping, are given. Conventional methodologies such as assignments, tutorials, tests, work practices, design problems are used to assess the student learning outcome. The PEOs are framed by the department whereas the course objectives are specified by the university.

The main forms of assessment carried out by the faculty include examinations and periodical tests. The other tools are projects, presentations, assignments and application oriented design processes. The faculty members develop action plans for overall improvement by collecting data and by taking critical corrective measures.

Assessment Tools

Sl.No.	Assessment Process
1	Exams
2	Assignments
3	Projects
4	Tutorials
5	Laboratories
6	Presentations

The programme outcomes for the ECE programme are listed

Programme Outcomes (POs)
   a. An ability to apply knowledge of mathematics, science and engineering.
   b. An ability to design and conduct experiments as well as to analyze and interpret data.
   c. An ability to design a system, component or process to meet the desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
   d. An ability to function on multidisciplinary teams
   e. An ability to identify, formulate and solve engineering problems
   f. An understanding of professional and ethical responsibility
   g. An ability to communicate effectively
   h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and social context
   i. A recognition of the need for and an ability to engage in life-long learning
   j. Knowledge of contemporary issues.
   k. An ability to use the techniques, skills and modern engineering tools necessary for engineering practice.
   l. An ability to use modeling techniques to represent the computing technologies for appropriate technical systems.

Sample of CO and PO mapping of ECE department shown below

Contribution of courses to program outcomes			Program Outcomes											
Type	Units	Course No & Title	Course Outcomes	a	b	c	d	e	f	g	h	i	j	k	l
LEC	5	EC1201-Digital Electronics	Simplify Boolean expression	Green	Pink	Pink	Pink	Green	Pink			Pink		Green	Green
			Design combinational circuits and sequential circuits	Pink	Green	Green	Green				Green	Green		Green	Green
			Design memories and programmable logic devices	Green	Green	Green	Pink	Pink				Pink		Green	Pink
			Design synchronous and asynchronous sequential circuits	Pink	Green	Green	Green	Green				Green		Green	Green

(Green)	STRONG CONTRIBUTION
(Pink)	MEDIUM CONTRIBUTION
(Yellow)	WEAK CONTRIBUTION

Analysis of Assessment Process

The assessments of the Program Outcomes are done by two methods. They are,

I. Direct Assessment Methods

The results of the Serial Tests, Tutorials, Assignments, Model Exam and End Semester Exams are taken for analysis by the faculty who teach the corresponding course. The level of understanding of the problems, questions and exercises of the students are analysed for each and every course. The possibility of improvement of delivery of contents, teaching methodologies, analytical approach to problem solving etc are done after careful analysis of the results.

Faculty meetings are regularly conducted to get the reviews and feedback by the faculty members. The improvements are also done on the basis of such results. The Model Exams give an idea of the total question paper expected by the student in the End Semester Exams. The End Semester Exam results give an overall view of the course level understanding of the student.

S.No.	Methods/Tools	Frequency of assessment
1	Serial Tests	03/semester
2	Tutorials	07/semester
3	Assignment	03/semester
4	Model Exam	01/semester
5	End semester Exam	01/semester

II. Indirect Assessment Methods

The Course Feedback Form is collected from the students in each semester.It contains the feedback from the students in terms of parameters such as [1] Effective Planning Skills [2] Effective Communication Skills [3] Evaluation Methods [4] Thorough Knowledge of curriculum and subject matter [5] Students Academic Growth [6] Personal Organisation and Organising Students [7] Establishing and Maintaining Discipline [8] Effective Interpersonal Relationships. A scale of Poor (0-4), Moderate (4-7) and Good (7-10) are used for grading the above said parameters.

S.No.	Methods/Tools	Frequency of assessment
1	Course Feedback Form	01/Year
2	Instructor Evaluation Report	01/Year
3	Learning Outcome Assessment Rubric	01/Semester
4	Rubric	01/Semester
5	End – of – Course Survey	01/Semester

The Learning Outcome Assessment Rubric for a particular course is evaluated for various Program Outcomes and Course Outcomes. The tools used for evaluation are Tests, Assignments, Tutorials and Model Exam. The type of contribution for each CO to PO is rated as Strong, Medium and Low for a total score of 5.

The Learning Outcome Assessment Rubric for a course "Antenna and Wave Propagation" is in the following table.

Program Outcome	Course Outcome	Tools Used	Average Score	Type of Contribution-Expected	Type of Contribution-Actual (CAYm1)
a)-.An ability to apply knowledge of mathematics science and engineering	(CO1)Calculate radiation from a current element.	Test 1	3.2	Strong	Medium
	(CO2) Design antenna arrays	Assignment 1	4.6	Strong	Strong
	(CO3) Design aperture antennas and special antennas	Assignment 2	4.68	Strong	Strong
	(CO4) Calculate radio wave propagation.	Test 2	2.97	Medium	Medium

b).An ability to design and conduct experiments as well as to analyze and interpret data.	(CO1)Calculate radiation from a current element.	Assignment 2	4.68	Medium	Strong
	(CO2) Design antenna arrays	Assignment 3	4.77	Medium	Strong
	(CO3) Design aperture antennas and special antennas	Seminar	4.6	Medium	Strong
	(CO4) Calculate radio wave propagation.	Test 2	2.97	Medium	Medium
e)-An ability to identify, formulate and solve engineering problems	(CO1)Calculate radiation from a current element.	Test 1	3.15	Strong	Medium
	(CO2) Design antenna arrays	Assignment 1	3.35	Strong	Medium
	(CO3) Design aperture antennas and special antennas	Assignment 2	3.37	Strong	Medium
	(CO4) Calculate radio wave propagation.	Test 3	3.42	Medium	Medium
k). An ability to use the techniques, skills and modern engineering tools necessary for engineering practice	(CO1)Calculate radiation from a current element.	Test 2	2.97	Strong	Medium
	(CO2) Design antenna arrays	Assignment 1	4.6	Strong	Strong
	(CO3) Design aperture antennas and special antennas	Assignment 2	4.68	Strong	Strong
	(CO4) Calculate radio wave propagation.	Assignment 3	4.77	Strong	Strong
l).An ability to apply engineering principles in solving problems relevant to electronics and communication engineering.	(CO1)Calculate radiation from a current element.	Test 1	3.2	Medium	Medium
	(CO2) Design antenna arrays	Assignment 1	4.6	Medium	Strong
	(CO3) Design aperture antennas and special antennas	Assignment 2	4.68	Medium	Strong
	(CO4) Calculate radio wave propagation.	Test 3	3.17	Strong	Medium

An End – of – Course Survey Form is also collected from the students which provides information about the coverage of course contents, availability of course materials, instructor preparations, teaching – learning techniques, explanation about course requirements and objectives are explained.

Some of the corrective measures adopted to boost the achievement level are
- Changes of modes of delivery of course content.
- Modification / addition of COs and POs
- Special remedial measures to help the slow learners
- Teaching content beyond syllabus
- Organizing Seminars and Guest lectures.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes, the institution uses assessment and achievements both as an indicator for evaluating learning outcomes and achievement of learning outcomes.
- Evaluation includes marks in internal assessment tests, Assignments and Attendance percentage.
- The teacher asks questions during the classes and finds out if the student has understood the topics.
- The faculty gets general feedback (Class Committee) after the first test evaluation is over to know students' performance help the faculty to refine the teaching learning process.
- The overall performance of the students is evaluated.
- The Institute also uses the evaluation and assessment measures to check whether the objectives of programme are fulfilled by the course.
- After completion of every internal assessment test, the course outcome (CO) is checked with the PO attainment and analysed by the head of various departments and the same is recorded in the theory course files.

Number of student Placement last five years

	2010	2011	2012	2013	2014	2015	2016 as on 31.05.16
Total Number of Students	414	540	662	419	487	809	1065

Number of student Placement last five years
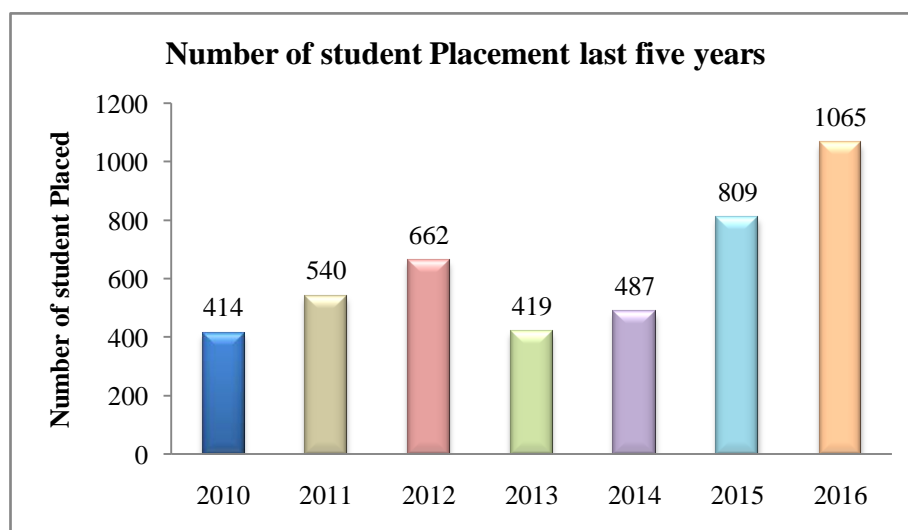
For example, the percentage of placement growth rate is over 83% in the last 3 years and the no. of students joining higher education in post graduation programme has increased in the last couple of years. This indicates the level of students' performance which in turn highlights that the relevant courses have been planned and executed satisfactorily.

Similarly, the students who opt for higher studies easily clear the TANCET exams and a few have successfully cleared the GATE, IELTS etc examination and opt for higher studies in the institution of their choice. This also is a meter to measure the achievement of learning objectives and students' performance.

The alumni feedback is a valuable source of evaluation and the alumni feedbacks have been very encouraging and serve as a trigger for innovations in teaching –learning exercise.

CRITERION – III

RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the Institution have recognized research center/s of the affiliating University or any other agency / organization?

Yes, all the departments in our institution except Bio Medical Engineering are recognized as Research Centres by Anna University upto June 2019.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes the institution has a Research committee comprising of 15 members. The composition of the Research Committee

Sl. No.	Name of the Person	Designation and Department
1.	Dr. V. Soundararajan	Principal - Convener
2.	Dr. N. Mahendran	Dean – Academics & Head, Department of Civil
3.	Dr. V. Rajasekaran	Dean – Administration & Head, Department of EEE
4.	Dr. D. Vasudevan	Professor & Head, Department of Mechanical Engg.
5.	Dr.G. Athisha	Professor & Head, Department of ECE
6.	Dr. D. Shanthi	Professor & Head, Department of CSE
7.	Dr.A.Vincent Antony Kumar	Professor & Head, Department of IT
8.	Dr. VE. Jayanthi	Professor & Head, Department of BME
9.	Dr. P. Jeganathan	Professor & Head, Department of MCA
10.	Dr. S. Manimaran	Professor & Head, Department of MBA
11.	Dr. Seerengasamy	Professor & Head, Department of Mathematics
12.	Dr. G. Natarajan	Professor & Head, Department of Physics
13.	Dr. K. Vijaya	Professor & Head, Department of Chemistry
14.	Dr. K Meena@Jayanthi	Professor, ECE
15.	Dr.P.Gokulakrishnan,	Assistant Professor, CSE

The recommendations made by of the committee are
- To identify the call for Proposals from various National and International Funding Agencies like AICTE, UGC, DST, DBT etc.
- Encourage the Senior Faculty Members to submit Proposals based on the thrust area identified by each department.
- Organize National and International Conferences.

- Scrutinize the Projects submitted by various departments and the committee reviews each proposal and approves it to be further forwarded to the respective funding agency.
- The research committee encourages each department to submit atleast two project proposals in every academic year to various funding agencies with unique Chief Investigator.
- No two projects from the same department can be submitted to the same funding agency in the same financial year.
- The convener has to go through the submissions and recommend for further approval. Then it is forwarded to the Management Committee for final approval.
- Analyze and approve the requirements made by the Principal investigators for sanctioning the amount for various activities like Purchase of any Instrument, Equipment, Tools or Software etc., once the grant is approved.
- Encourage the Departments to organize Research Promotion Programmes like Seminar, Workshop, National and International Conference.
- Encourage the individuals from each Department to Register for Research through Part-time periodically.
- Motivates the faculty members to attend and present papers in National and International Conference by granting the Registration Fees, Travel Allowance and Dearness Allowance.
- Motivate the members of the faculty to publish papers in National and International Journals.
- Appraisals are given based on the publications made by the faculty in every academic Year.

The Outcomes and Impact of the Recommendations:

- The Number of proposals submitted to various funding agencies is increased every year constantly.
- Good numbers of projects are given grant.
- More number of publications are made by our faculty.
- Participation in International Conferences is increased every year.
- Organizes Conferences

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?
- **Autonomy to the Principal Investigator – Yes**
- **Timely availability or Release of Resources – Yes**
- **Adequate infrastructure and human resources**

If any infrastructure is needed, it is established on request to the research committee and further recruitment of human resources is done to engage them under Junior Research Fellowship.

- **Time-off, reduced teaching load, special leave etc. to teachers**
  - The load of the principal investigator is waived periodically to speed up the completion of the Project.
  - On-duty is offered to them whenever they have to attend workshops or seminar or Conference and for presenting the project to the sanctioned authorities.
  - Special Leave is offered in terms of on-duty for enabling the people to visit Higher Research Institutes for Discussions/Panel Member/Doctoral Committee Member etc.
- **Support in terms of technology and information needs**
  Based on the needs
  - Subscription to any additional new journals is made.
  - Subscription to any new Library Journal Package.
  - The instant access to all resources through Wi-Fi is enabled across the entire campus.
  - Enrolling the college or the respective department as a member in any National / International Society / Organization.
  - New Books are procured based on request.
  - New Software tools if needed are procured.
  - Peripherals and Laptops are purchased to handle the project.
- **Facilitate timely auditing and submission of utilization certificate to the funding authorities**
  - Senior Finance Manager facilitates auditing the received grants at proper timings.
  - Utilization Certificate is submitted as per the guidelines of the Sanctioned Authority.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

Scientific Temper is a way of thinking and acting based on the observation of physical reality, questioning, testing, hypothesizing, analyzing and communicating. The following efforts are made unstintedly to develop the scientific temper and Research Culture.

1. Unique System based assignments are given to inculcate the habit of innovative thinking and applying knowledge of what they learnt through the course.
2. The students are encouraged to do mini projects on Techno-Social Projects.
3. Students are encouraged to participate in National level Symposium and Conference by giving on-duty.
4. Seminars and workshops are organized periodically to engage them in learning the content beyond the syllabus.
5. Every department has signed MoUs with few industries in order to expose the faculty and students to update their knowledge in Modern technologies and tools and to apply the art of thinking in bringing out innovations in all perspectives.

6. Industry connect projects are undertaken by the students as a Curriculum project.
7. Students are selected for undergoing internships by various industries.
8. Project Expo' is conducted at college level and five best projects will be exhibited by each department. The expert members from industry and academia are invited to evaluate the projects exhibited. The best project from each department is selected and the cash prize is awarded.
9. National Science Day is celebrated in the month of February by organizing SCIENCE EXPO or TALENT HUNT for school students.
10. The Department of Mathematics organizes events through Maths Club – Ramanujan Maths Club to enrich the analytical knowledge among the students.
11. Students are encouraged and appointed to undertake innovative projects in various fields.

3.1.5 Give details of the faculty involvement in active research (guiding student research, leading research projects, engaged in individual/collaborative research activity, etc.)

- The research committee encourages the faculty of all disciplines to actively engage in research either under Full-time / Part-time category.

Sl. No.	Name of the Department	No. of Scholars doing Research under PT	No. of Scholars Completed Research under PT
1.	Civil Engineering	17	2
2.	Mechanical Engineering	16	6
3.	Electronics & Communication Engineering	13	12
4.	Electrical & Electronics Engineering	15	5
5.	Computer Science & Engineering	18	9
6.	Information Technology	18	6
7.	Bio Medical Engineering	3	1
8.	MCA	8	8
9.	MBA	3	2
	Science & Humanities		
10.	Mathematics	14	5
11.	Physics	5	4
12.	Chemistry	6	2
13.	English	1	-

- Every department has a Centre of Excellence in which several research scholars, both insiders and outsiders, are doing research in part-time category under Anna University and Bharathiyar University. Totally 137 faculties are doing Research under Part-time category in Anna Univeristy. MS University, Kalasalingam University, Gandhigram Rural University, Bharathiyar University, Madurai Kamaraj University, Madras university and Bharathidasan University.
- The Heads of the Departments and professors in various departments are

recongnised as Supervisors by Anna University, Chennai and other universities mentioned above. Researchers from both inside and outside the college have also registered under these supervisors. The following table presents the number of supervisors and number of scholars guided per supervisor in each department.

Sl. No.	Department	No. of Approved Supervisors	No of Candidates Registered
1.	Civil Engineering	4	17
2.	Mechanical Engineering	4	32
3.	ECE	5	22
4.	EEE	5	42
5.	CSE	4	27
6.	IT	3	19
7.	BME	1	8
8.	MCA	3	13
9.	MBA	3	17
10.	Mathematics	3	12
11.	Chemistry	2	1

- Colloborative projects are undertaken between departments to actuate towards innovations. Three such projects are undertaken in our institution.
- Colloborations are made with industries to carry out the projects at our campus.
- Three Patents are applied, out of which two are granted with Patent number.
- The senior faculty members from each department are encouraged to submit the project proposal for various funding agencies.
- Several projects are submitted to the different funding agencies every year. Grants are received from AICTE, DST, DBT, SERB and TNSCST.

Sl. No	Name of the Department	No. of Proposals submitted	No. of Proposals Granted
1.	Civil Engineering	5	4
2.	Mechanical Engineering	4	3
3.	Electronics & Communication Engg.	12	3
4.	Electrical & Electronics Engg.	10	-
5.	Computer Science & Engg.	8	4
6.	Information Technology	6	3
7.	Bio Medical Engg.	3	-
8.	Master of Computer Applications	12	-
9.	Master of Business Administration	8	6
10.	Chemistry	3	1

- The PG students are actively engaged in doing curriculum projects in the thrust areas of the respective department and they publish their findings in National / International Conference and Journals.

3.1.6 **Give details of workshops/ training programmes/ sensitization programmes conducted /organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.**

The department organizes several workshops, FDPs, SDPs, Seminar, and Conferences every year which focus on building the capacity of the faculty In-mates and faculty from outside colleges through which the culture of doing research is inculcated among the minds of young researchers. Experts from academia and industry are invited to share their knowledge in different thrust areas of the departments.

Sl. No	Name of the Department	No. of Programs Organized
1.	Civil Engineering	16
2.	Mechanical Engineering	36
3.	Electronics & Communication Engg.	33
4.	Electrical & Electronics Engg.	9
5.	Computer Science & Engg.	34
6.	Information Technology	13
7.	Bio Medical Engg.	14
8.	Master of Computer Applications	17
9.	Master of Business Administration	19
10.	Mathematics	1
11.	Chemistry	2
12.	English	4

The following table shows the number of programmes organized for the last four academic years in order to enrich the knowledge of the students and faculty to build the gap between the industry and academia. Such programmes inculcate the students with knowledge about recent trends and imbibe the faculty to engage in Research.

Total numbers of Seminar / Workshop / Guest Lectures / National / International / FDP / SDP / Pre-Conference Tutorial Organized in the last four Academic Years are presented below.

Sl. No.	Name of the Department	Seminar	Workshop	Guest Lectures	FDP / SDP	Conference/ Symposium	Pre-Conference Tutorial	Total No. of Programs
1.	**Civil**	2	4	5	2	3	-	**16**
2.	Mech.	-	2	27	6	1	-	**36**
3.	ECE	5	15	8	4	1	-	**33**
4.	EEE	3	4	-	1	1	-	**9**
5.	CSE	7	19	-	3/1	3	1	**34**
6.	IT	4	3	-	4	2	-	**13**
7.	BME	2	6	1	1	2/2	-	**14**
8.	MCA	9	2	-	4	2	-	**17**
9.	MBA	1	1	14		3	-	**19**
10.	**Mathematics, Chemistry, English**	3	1	-	-	3	-	**7**
	Total No. of Programs Organized							**198**

The details about various events organized by each department are presented below (department wise)

Department of Civil Engineering

Sl. No	Programme – FDP/ Workshop/ seminar	Title	No of Participations	Date
1	FDP	Faculty Development Training Programme on CE 2351 Structural Analysis- II	25	02.12.2014 to 08.12.2014
2	Workshop	One Day National Workshop on "Emerging Trends in Nano Technology for Civil Engineering Application"	06	11.11.2014
3	Workshop	One Day National Work Shop on "Corrosion Analysis and Testing of Concrete Structures" (CAAT)	10	29.09.2014
4	Conference	One Day National Conference on "Corrosion and health Monitoring of Concrete Structures"	10	10.04.2014
5	Seminar	International seminar on smart city planning using GIS	18	10.12.2014
6	FDP	Faculty Development Training Programme on Structural Analysis- I	20	19.05.2015 To 25.05.2015
7	Workshop	One Day National Work Shop on Transmission line towers and metal structure behaviour	34	10.06.2016
8	Sympsium	Society of civil Engineers	300	01.10.2015
9	Workshop	One day National Work Shop on "Innovative Techniques on Asphalt pavements	25	23.06.2016

Department of Mechanical Engineering

Sl. No	Programme – FDP/ Workshop/ seminar,	Title	No of Participations	Date
Academic year 2012-2013				
1	FDTP	Faculty Development Programme on "Kinematics of Machinery"	25	04-06-2012 to 10-06-2012
2	FDP	Faculty Development Programme on "MatLab and LaTex"	30	25-02-2013 to 15-03-2013
Academic Year 2013-2014				
3	FDTP	Faculty Development Programme on "Dynamics of Machinery"	25	24-06-2013 To 30-06-2013
Academic Year 2014-2015				
4	FDTP	Faculty Development Programme on "Design of Machine Elements"	25	30-06-2014 to 06-07-2014
5	FDP	Faculty Development Programme on "Soft Tools and Techniques for Engineering Research"	25	22-09-2014 to 26-09-2014
6	International workshop	One day International Pre-conference workshop on "Integrated Design-Manufacturing Interface within Automotive Development Process"	50	06-04-2015
7	International workshop	One day International Pre-conference workshop on "Present and Future trends in Manufacturing and Growing Demands"	50	06-04-2015
Academic Year 2015-2016				
8	FDTP	Faculty Development Programme on "Engineering Materials and Metallurgy"	25	23-11-2015 To 29-11-2015

Department of Electronics and Communication Engineering

Sl. No.	Programme– FDP/ Workshop/ Seminar, Etc	Title	No of Participations	Date
1.	Guest Lecture	ISTE Sponsored An introduction to LABVIEW programming	220	12.9.13
2.	Guest Lecture	Technical Project Management	220	16.7.13
3.	FDP	Communication Theory	25	10.12.2014 to 17.12.2014

4.	FDP	Centre for faculty development Anna university sponsored FDP on Analog Digital Communication	25	18.06.2014 to 25.06.2014
5.	Workshop	Two days workshop on RF system level and EM simulation training using Agilent's system	30	18.07.2014 to 19.07.2014
6.	Workshop	Two days workshop on Evolutionary Computing	25	27.08.2014 to 28.08.2014
7.	Felicitation of IFS rank holder (Alumnus)	Interaction with Mr.S.Senthil Prabhu, IFS	10	20.02.2014
8.	FDP	Analog and Digital Communication	25	18.06.2014 to 25.06.2014
9.	Workshop	Evolutionary Computing	50	27.08.2014 to 28.08.2014
10.	Workshop	RF system level and EM simulation training using Agilent Systemvue & Empro.	60	18.09.2014 to 19.09.2014
11.	Seminar	One day Hardware Training on signal Analyzer	30	23.03.2015
12.	Seminar	ADS software Training & Hardware measurement	20	20.03.2015
13.	Guest Lecture	Guest lecture on medical image processing	45	14.03.2015
14.	Guest Lecture	Guest lecture on case studies and analysis on research aspects of data analytics	45	13.03.2015
15.	Seminar	ADS software Training	40	18.02.2015 to 27.02.2015
16.	Workshop	One day workshop on RF Front End and EM simulation training using Keysight's ADS	25	07.02.2015
17.	Workshop	Two Days workshop of VLSI Design Tools	20	29.01.2015 to 30.01.2015
18.	Seminar	Research methodologies	20	10.01.2015
19.	Workshop	Two days workshop on VLSI	47	17.3.2016 to 18.3.2016
20.	Workshop	VLSI Design Tools	62	29.01.2015 to 30.01.2015
21.	Workshop	RF Front end and EM simulation using Key sight's ADS	51	07.02.2015
22.	Guest Lecture	Case Studies and Analysis of Research Aspects of Data Analysis	25	13.03.2015

23.	Seminar	Transmission Lines and waveguides with KETAB Studio V4.0.0.Lite	30	28.8.2015 to 29.8.2015
24.	Workshop	Hands on Workshop on Design of RF Modules	20	18.9. 2015 to 19.9. 2015
25.	FDP	Dept. of Biotechnology, Ministry of Science & Technology sponsored FDP on Recent developments and future focus of health care field in India.	40	06.10. 2015 to 10.10. 2015
26.	Guest Lecture	Enhancing Employabilty in Core Engineering through Academic Projects	330	06.08.15
27.	Workshop	Network Simulator NS2 for wireless network	40	29.09.2015 & 30.09.2015
28.	Technical Quiz	Digital India Celebration-Technical Quiz & Paper Presentation	60	29.7.2015
29.	Guest Lecture	case studies and Analysis on Research Aspects of Data Analytics	60	13.03.2015
30.	Guest Lecture	Guest lecture on Bloom Taxonomy	600	30.03.2015
31.	Workshop	Two days workshop on mining the social web	22	29.3.2016 to 30.3.2016
32.	Workshop	Two days workshop on advances in vlsi, embedded and neuro science in medical sciences.	22	12.4.2016 to 13.4.2016
33.	Workshop	Recent research trends in vlsi technology.	35	17.03.2016

Department of Electrical and Electronics Engineering

S. No	Programme – FDP/ Workshop/ seminar, etc	Title	No of Participations	Date
1.	FDP	Power Quality	25	13.6.2016 to 19.6.2016
2.	Workshop	MATLAB for Power Electronics	38	29-1-2016
3.	Workshop	PIC Microcontroller and its Applications	45	3-12-2015 to 4-12-2015
4.	Workshop	Basics of Process Instrumentation	25	10-3-2015 to 11-3-2015
5.	Workshop	Control of industrial drives	20	12-1-2015
6.	Seminar	Preparation of IEEE Journals	25	12-1-2015

Sl. No	Programme	Title	No of Participations	Date
7.	Seminar	Recent Trends in Renewable Energy Electric Conversion Systems	25	31 -8-2013
8.	Seminar	Stand Alone Wind Power Plant and Grid Integration	30	31-8-2013

Department of Computer Science Engineering

Sl. No	Programme – FDP/ Workshop/ seminar, etc	Title	No of Participations	Date
1.	SDP	AICTE Sponsored SDP on ADHOC Networks and its applications	50	28.05.12-08.06.12
2.	FDP	Java Programming	80	29.08.12-01.09.12
3.	Workshop	Kernel Level Programming in Linux	110	08.10.12-09.10.12
4.	Workshop	Technology Enhanced Learning (NPTEL)	240	20.12.12
5.	Workshop	"Do wonders using pointers in C programming"	200	16.02.13
6.	Workshop	" Mobipreneur – Mobile Application Development."	120	11.04.13-12.04.13
7.	Workshop	"Haptic Robotic Arm."	120	03.09.13-04.09.13
8.	Seminar	" Awareness Programme on Professional Ethics"	150	06.09.13
9.	Seminar	" Enhancing Employability & Nation's Safety"	150	07.09.13
10.	Workshop	"Linux Operating System."	100	11.09.13-12.09.13
11.	Workshop	"Red-Hat Linux an open Source"	100	24.02.14
12.	Seminar	" Information Security and Ethical Hacking"	200	26.03.14
13.	Pre Conference Tutorial	Android and its Applications – NGTCC	100	04.04.14
14.	FDP	Cloud Computing and Big Data	90	06.08.14-07.08.14
15.	Workshop	"Green Computing and its Challenges"	450	19.08.14
16.	Seminar	Managing and Delivering Projects in IT Industry Way	40	14.11.14
17.	Workshop	"Hackathon and Mobility"	120	30.01.15
18.	Seminar	" Intelligent Data Engineering"	95	11.02.15
19.	Workshop	"PHP – Web Development "	60	18.02.15-19.02.15
20.	Workshop	Cloud Infrastructure Services – Installation and Training	25	25.02.15
21.	Workshop	"Accelero-Botix- A hand Gesture controlled Robot"	110	27.02.15 -28.02.15
22.	Workshop	Hands on Training in MATLAB	60	22.09.15

23.	Workshop	"Kernel level programming in Linux"	90	30.09.15-01.10.15
24.	Seminar	"Video Analytics for Real Time Event Detections"	60	06.10.15
25.	FDTP	"Mobile Computing"	60	16.11.15-22.11.15
26.	Workshop	An Eagle's view of " Big data Projects in Real World Applications"	38	05.02.16
27.	Workshop	An Iceberg view of Android Marshmallow Projects in Mobile Applications	51	12.02.16
28.	Workshop	Cloud Infrastructure Services Installation and Training	48	19.02.16
29.	Workshop	Scintillating of 3rd wave Computing in Real Time Environment	21	19.02.16
30.	Workshop	A beacon of Security Projects from Cyber Espionage.	30	20.02.16
31.	Seminar	"Key Technologies and Intelligent Tools in Health care Applications over Internet of Things (IoT)	60	22.03.16-24.03.16

Department of Information Technology

Sl. No	Programme – FDP/ Workshop/ seminar, etc	Title	No of Participations	Date
1	FDP	FDP on Network Programming and management	35	09.12.2013-15.12.2013
2	Seminar	International seminar on computational Intelligence – based systems and their real world applications	40	04.06.2013
3	Seminar	Google Apps training & Implementation	250	08.10.2013 - 11. 10.13
4	Seminar	D Link switching network	7	17.11.2013-22.11.2013
5	Workshop	Cloud computing and Bigdata	60	10.7.2015 to 11.7.2015
6	Workshop	Bigdata Analytics	65	08.01.2015 to 09.01.2015
7	Workshop	Cloud Computing and Big Data	45	10.7.2014 to 11.7.2014
8	FDP	Fundamentals of Pervasive Computing	45	10.12.2012 to 16.12.2012
9	Seminar	Research Seminar	40	29-9-2012

10	FDP	Effective Communication skills	60	2015
11	FDP	Social Web and Text mining	25	2016
12	Training Programme	A ten day training on Big Data Analytics	62	18-5-2016 To 27-5-2016
13	Training Programme	Linux and Android Programming	55	16-7-2016

Department of Biomedical Engineering

Sl. No	Programme – FDP/ Workshop/ seminar, etc	Title	No of participations	Date
1.	Guest Lecture	Recent Trends in Biomedical Engineering	60	30.08.2013
2.	Workshop	Biomedical Equipment Maintenance & Calibration Procedures	25	23.1.2014 to` 24.1.2014
3.	Training programme	Real Time Data Acquisition and Processing using FPGA	20	10.1.2014
4.	FDP	Wipro Mission 10X Faculty empowerment Programme	50	24.2.2014
5.	Workshop	Biomedical signal & Image processing using MATLAB	25	29.08.2013 To 31.08.2013
6.	Workshop	FPGA programming for the masses using Verilog & VHDL	30	17.08.2015 To 18.08.2015
7.	Workshop	MATLAB Software training	40	15.08.2015
8.	Seminar	Advancements in the Biomedical Equipment	60	10.07.2015
9.	Seminar	Entrepreneurship Awareness Programme	60	27.04.2016
10.	Symposium	MEDERA 2015 – National Level Technical Symposium	210	01/10/2015
11.	Symposium	MEDUT 2K16 A National Level Technical Symposium	250	23.02.2016 to 24.02.2016

Department of MBA

Sl. No	Programme – FDP/ Workshop/ seminar, etc	Title	No of participations	Date and year
1	Guest Lecture	Real World Issues in Management	18	18.11.2014
2	Guest Lecture	Soft Skills	16	14.02.2015
3	Guest Lecture	Employees as Leaders	14	03.03.2015
4	Guest Lecture	Leadership Traits	20	20.04.2015
5	Guest Lecture	Sharpening Soft Skills	22	02.05.2015
6	International conference	Business Excellence Advancements and Trends	55	2015
7	Guest Lecture	People Wining Strategies	20	09.09.2013
8	Guest Lecture	Impact of Test Preparation and need for the study	18	23.09.2013
9	Guest Lecture	Growth, Prospects and Opportunities in South African Countries	19	10.02.2014
10	Guest Lecture	Future Prospects of SME's in Tamilnadu	21	21.03.2014
11	Guest Lecture	10 Steps to a Successful Career	22	18.04.2014
12	International conference	Business Excellence Advancements and Trends	21	2014
13	Workshop	How to prepare and handle a case	29	23.10.2013
14	Guest Lecture	Head Hunting	27	17.09.2013
15	Guest Lecture	International Marketing	26	25.11.2013
16	Guest Lecture	Leadership Development	25	10.01.2013
17	Guest Lecture	Research Techniques in Management	15	18.03.2013
18	Seminar	TEDX	80	2013

Department of MCA

Sl. No	Programme – FDP/ Workshop/ seminar, etc	Title	No of participations	Date and year
1.	Seminar	Systems Engineering	120	05.08.2015
2.	Guest Lecture	The current scenario of IT Industry and its Work Culture	150	19.11.2015
3.	Seminar	Creating Applications using Struts & Silverlight	120	19.10.2015
4.	Seminar	Software Quality Standards and Management	120	10.10.2015
5.	Workshop	Mobile application development using Android	40	17.10.2015
6.	Seminar	Entrepreneurship awareness and leadership quality development	100	04.05.2016

7.	Seminar	Introduction to CISCO Network Training program	110	07.05.2016
8.	Seminar	Ethical Hacking	80	14.08.2014
9.	Workshop	Hadoop and big data analytics – Hands on Training	60	11.10.2014
10	Seminar	Android applications	110	27.02.2014
11	Guest Lecture	Complier Design	120	04.04.2014
12	Seminar	WebServices Architecture	80	06.09.2013
13	Guest Lecture	Software Quality Management	120	05.10.2013
14	Guest Lecture	Industry Open Source Technologies	120	26.10.2013
15	ICMR Sponsored International Seminar	Recent Trends in Computational Intelligence Techniques for Big Data Analysis	60	27.08.2014 to 28.08.2014

Department of Chemistry

Sl. No	Programme – FDP/ Workshop/ seminar, etc	Title	No of Participations	Date
1	Seminar	Newer Perspective In Nano And Green Chemistry-MTC-II	300	24.7.2014 & 25.7.2014
2	Seminar	Green Chemistry-MTC -I	300	23.2.2012 & 24.2.2012

Department of English

Sl. No	Programme – FDP/ Workshop/ seminar, etc	Title	No of Participations	Date
1	Workshop	Workshop on Need Based Language Teaching (NBLT)	350	6.10.15 & 7.10.15
2	Seminar	National Seminar on NEW VISTAS IN ELT: Empowering Engineers for Employment.	400	17.04.2015 & 18.04.2015

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

Sl. No.	Prioritized Research Area	Faculty Members with Expertise
Department of Civil Engineering		
1.	Geotechnical and Structural Engineering	Dr.N.Mahendran
2.	Irrigation Engineering	Pof.Y.M.Siddaramiah
3.	Environmental Engineering	Dr.G.V.T.Gopala Krishna
4.	Geology, Remote Sensing & GIS	Dr.S.Mahendran
5.	Structural Engineering	Dr.S.Vimala
6.	Dynamic Testing of Reinforced Concrete Structures	Dr.C.Jayaguru
Department of Mechanical Engineering		
7.	Bio Diesel	Dr.D.Vasudevan
8.		Dr.K.Muralidharan
9.		Dr.M.Santhosh
10.		Dr.D.John Panner Selvam
11.	Mechanics of Fiber Reinforced Composite Materials	Dr.D.Vasudevan
12.		Dr.P.Emmanuel Nicholas
13.		Mr.S.Balu
14.	Vibration Analysis	Dr.T.Ramachandran
15.		Mr.C.Senthilkumar
16.	Metal Joining Process	Dr. G.Magudeeswaran
17.		Mr.M.Palapandi
18.	Advanced Metal Machining Process	Dr.R.Kannan
19.		Dr.V.Paramasivam
20.		Mr.N.Harikannan
21.		Dr.S.Sridhar
Department of ECE		
22.	VLSI Group	Dr. P. Manirajkumar
23.	Digital Image Processing	Dr.V.Magudeswaran
24.	Information Retrieval & Text mining	Dr.K.Batri
25.	Signal Processing & Communication	Dr.K.Meena alias Jeyanthi
26.	Systems & Networking	Dr.C.Chithra
27.	Medical Electronics	Dr.K.Adalarasu
Department of EEE		
28.	Power Quality, Energy Conservation and Management	Dr.V.Rajasekaran Certified Energy Auditor License No: EA9032
29.	Power Systems	Dr. K. Mahadevan
30.	Power Electronics	Dr. N. Chandrasekaran
31.	Energy	Dr.R.Karthigaivel
32.	Electro Magnetic Interference	Dr.R.Vimala

33.	Power Electronics and Drives	Dr.I.Gerald Christopher Raj
34.	Power System	Dr.Nandhakumar
Department of CSE		
35.	Soft Computing, Data Mining, VANET	Dr.D.Shanthi
36.	Soft Computing	Dr.N.Umamaheswari
37.	Data Mining & Soft Computing	Dr.K.Dhanalakshmi
38.	Grid, Cloud computing and Security	Dr.T.Hemalatha
39.	Data Mining	Dr.M.S.Thanabal
40.	Networks, Image Processing, VLSI	Dr.K.Manivannan
41.	Medical Imaging	Dr.J.Benadict Raja
42.	Networks, VANET	Dr.P.Gokulakrishnan
43.	Image Processing & Biometrics	Dr.S.Jeyanthi
Department of IT		
44.	Bigdata	Dr A Vincent Antony kumar
45.		Dr R Venkatesh
46.	Networking	Dr P Ganeshkumar
47.		Dr K Sabeetha
48.	Wireless sensor network	Dr S Pavalarajan
49.	Network Security	Dr R Pushpalakshmi
50.	Grid Computing	Dr R Bhaskaran
51.	Cloud computing	Dr.M.Jaiganesh Dr.N.Pandeeswari
Department of BME		
52.	Bio Signal & Image Processing	Dr.VE.Jayanthi Mr.S.Sriram Mrs.M.Smitha Mrs.T.Ayesha Rumana
53.	Bio Technology & Bio Informatics	Mr.P.Sasikumar Mrs.S.Prema Mr.S.Balasubramaniam
54.	System design	Mrs.P.Sutha Mr.P.Mohan Kumar Mrs.V.Janani
Department of MCA		
55.	Data Mining	Dr. P. Jaganathan
56.		Mr. S. Jaiganesh
57.		Dr. N. Rajkumar
58.		Dr. R. Kuppuchamy
59.		Mr. M. Gopianand
60.		Mrs. S. Vinothini
61.		Mrs. T. Kamalavalli
62.	Image Processing	Dr. K. Balasubramanian
63.		Dr. P. Babu
64.		Dr. V. Devendran
65.		Dr. M. Rajinikannan
66.		Mr. B. Mathankumar

67.	Software Engineering	Dr. A. Vanitha Katharine
68.		Mr. T. Pushparaj
69.	Network Security	Mrs. R. Muthumeenakshmi
Department of MBA		
70.	Information Technology/ Marketing	Dr. S. Manimaran Dr. K. Bhagya Lakshmi
71.	Finance	Dr. N. Murugan Dr. J. Jayaraman Dr. J. Suhashini
72.	Marketing and Human Resource	Dr. T. Muthu Pandian Dr. A. Sabarirajan Dr. M. Parveen Roja
73.	Marketing	Dr. P. S. Venkateswaran Dr. A. Aleeswari Dr. B. Arun
74.	Human Resource	Dr. N. Geethanjali
Department of Physics		
75.	Archaeo Magnetism	Dr.G.Natarajan
76.	Thin Flims	Dr.K.Jeyalakshmi Dr.P.Jegatheesan
77.	Crystal Growth	Dr.M.Thangaraj
78.	Thin Flims & Nano materials	Dr.A.Karuppasamy
79.	Crystal Growth & NLO Properties	Dr.K.Subramani
80.	Thinflim technology for optoelectronic applications	Dr.S.Gowri Shankar
81.	Quantum Physics	Dr.D.Lalitha

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

- The institution is a recognized research centre under Anna University, Chennai.
- The institution is an institutional member under various societies like IEEE, CSI, IE, ISTE, IAE, SAE etc.
- There are 37 supervisors guiding 210 scholars within the campus under Anna University. Hence the Doctoral Committee formed for each scholar has eminent professors from NITs and University Colleges. During DC Meeting or Synopsis Meeting or Confirmation Meeting, they are invited to address the teachers and students.
- Our professors are appointed as the Member of Conference Acadmic counsil in the internationally recognized conferences which are held across country.
- The institution organizes National Conferences, Symposiums, Workshops and Seminars as the important tool of collaboration where experts from academia and industries are invited for delivering special lectures and interact with teachers and students.

- The eminent professors and distinguished experts from academia and industry are invited to give special lectures on challenges and issues in various disciplines.
- Various short-term training programs for faculty are organized, for which experts are invited to deliver special lectures and deliberations on important issues, teaching methodologies, journal publications and research works.
- The faculty members are encouraged to collaborate with eminent professors of reputed institutions for their research activities.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

- On-duty is granted to all Part-time research scholars for taking up their Course-work examination.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/ advocating /transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

- All PG students should present their findings of their PG Thesis work in Conference and Journal in two phases.
- Students, who have done Mini / Academic project work, are encouraged to enroll themselves in National Level Symposia/Conference.
- On-duty is provided to all faculties who are travelling to present their work or paper in National/International Conference.
- Registration Fee and allowances are offered to the faculty for participating in National/International Conferences.
- On successful completion of research, Special Pay is offered to the faculty.
- Senior Professors are given on-duty to estabilish themselves with the outside world through Guest Lectures/Seminars, Invited Talk, Session Chair, Conference Chair etc.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

For each academic year our college allocates separate budget for Research and Development, through which faculties are provided with Travel grant, Registration Fee Grant, subscription to new journal, purchase of new books/monographs etc.

Sl. No.	Academic Year	Financial Allocation in Lakhs of Rs.	Actual Utilization in Lakhs of Rs.
1.	2012 – 13	26	25,50,978
2.	2013 – 14	10	9,98,363
3.	2014 – 15	15	14,33,945
4.	2015 – 16	25	22,81,695

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

Yes the seed money is provided. The procedure for availing the seed money is given below.

- The Head of the Department submit a proposal, requesting for any facility which is essentially needed to have smooth progress of research by the faculty in the department.
- It will be further analyzed by the Management Committee and will sanction the amount in case the department is a Centre of Excellence.

Some of the facilities that are introduced based on the above policy are listed below.

Sl. No	Name of the Department	Facilities Created	Total Investmentin Lakhs of Rs.
1.	Civil Engineering	GeoSynthetics Laboratory – Establishment in the year of 2009	5
		Dynamic testing facility in Structural engineering laboratory – Establishment in the year of 2013	10 (AICTE fund) 15 (College Cortribution)
		Bitumen Research Lab oratory Establishment in the year of 2009	5
2.	Mechanical Engineering	Single cylinder 4-stroke diesel engine (5 HP,water cooled, Hydraulic loading)	8.5
		LMW-LL20TL5 CNC Lathe & LMW-JV55 CNC VMC	23

		Ford Car(Prototype) – (MAJBXXMRKBR 24300 Model No B 515)	.5* * Offered at free of cost By Ford.
		Experimental and Numerical Investigation on Damping and Sound absorption capacity of Natural fiber composite porous materials (Portable Data Acquisition system, Accelerometer, Impact Hammer, Hot chamber, MPA201)	11.18
3.	Electronics & Communication Engg.	• Agilent lab • Lab view lab	250 12
4.	Electrical & Electronics Engg.	• PSNA-SIEMENS Automation and Drives Lab has been established to train the students	49.5
5.	Computer Science & Engg.	• Cloud Computing Lab	3.42
6.	Information Technology	• Cloud computing Lab • Dlink Certification	6
7.	Bio Medical Engg.	• Creation of SOPC Laboratory through Altera, USA • Purchase & Installation of Altera Quartus II software from Altera,USA	3.4

3.2.3 What are the financial provisions made available to support student research projects by students?

The financial provisions are made available to support student research projects that may vary depending on the socially relevant project which may require some huge investments. The proposals are submitted through the Head of the Department and the Principal, to the Management Committee. The management committee will decide to sponsor if the Head of the Department and the Project Coordinator submits a statement of Declaration about the Scope and Significance of the work.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The institution organizes various events like seminars, conference through which various departments collaborate and innovate on new projects. These projects are often submitted as a proposal to various funding agencies for getting grant. Some inter-disciplinary projects undertaken so far are presented below.

Sl. No.	Interdisciplinary Research	Collaborating Institute / Industry	Departments Involved
Department of Civil Engineering			
1.	Impact of clay particles in concrete	PSNA College of Engiineering & Technology	Chemistry
2.	Structural health monitoring on RC structures using smart sensing aggregates	PSNA College of Engiineering & Technology	Electronics and Communication Engineering
Department of Mechanical Engineering			
3.	Autogenous Welding of Duplex Stainless Steel	M/s Ador Welding India Pvt. Ltd, Mumbai	Mechanical Engineering
4.	Ballistic Properties of Duplex Stainless Steel Joints	M/s Defense Metallurgical Research Laboratory, Hyderabad	Mechanical Engineering
Department of ECE			
5.	Measuring the strength of Materials and its properties	Key Sight (Formerly Agilent Technologies)	Civil Engineering
6.	Medical Image Processing	National Instruments, Bangalore.	BME
Department of CSE			
7.	RFID based Vehicular Communication, Biometric linked e-voting System, Motion Sensor based virtual e-surgery	IMIK Technologies, Coimbatore.	Electronics and Communication Ensgineering
Department of IT			
8.	IIT-SRP-Project	IIT Madras Mobility Centre, Dindigul	Information Technology
Department of BME			
9.	MiniProjects for Students of PSNACET	WiproTechnologies	ECE,EEE,IT,CSE

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The institution offers various facilities like special instruments, Software tools, library resources like printed journals and on-line Journals; Wi-Fi connectivity is available in the campus as well as in hostels to help the faculty and students for doing research work and projects. Separate log books are available for each resource. Since all the Engineering departments are recognized as research centers, Research scholars are enrolled regularly under Part-time category. The research scholars from other institutions can also utilize these resources through submission of the recommendation letter signed by their respective supervisors in addition to the in-mates of the college.

Sl.No	Name of the Department	Resources Shared across
1.	Electronics & Communication Engg.	Agilent lab Lab view lab Matlab VLSI – pspice
2.	Electrical & Electronics Engg.	Siemens tools PSNA-SIEMENS Training Lab. with 13 No's of PLC kits, 4 No's of 3-Phase AC Drive Kits and more than 10No's of latest Process Instrumentation Kits
3.	Computer Science & Engg.	Cloud Computing lab
4.	Information Technology	Hadoop Framework in Cloud Computing technology
5.	Bio Medical Engineering	Physiological Data Acquisition &Research Biochemistry &Microbiology Lab Biosignal &Image Processing Laboratory Wipro Laboratory
6.	Master of Computer Applications	CISCO Tools

- **Facilities Created in the Department of Mechanical Engineering**

Sl. No.	Infrastructure	Specification
1.	Enfield Single cylinder petrol engine	Water cooled
2.	Kirloskar diesel engine test rig	Vertical, Single cylinder, 5kVA,Water cooling
3.	Jaltata diesel engine test rig	8 HP, vertical type, single cylinder ,water cooling,850 rpm
4.	Wind tunnel(low speed)	5HP,30m/s,440V, 15A
5.	Bio-Fuels for engines 8021/RID/NPROJ/R&D(202)/2002-03 (Revalidated 2003-04) 19/05/03 (computer interface to IC engine)	Single cylinder, 4-stroke, Water cooled HP:- 5,Loading:- Electrical dynomometr

Sl. No.	Infrastructure	Specification
6.	Prototype transesterification plant PSNA/MECH/Student project/PC/32	1000 Watts, 2-Stirer ,5 litres
7.	Exhaust gas analyzer(5 gases)	CO, HC, NO_X, CO_2, O_2
8.	Computerized Variable compression ratio multi fuel engine test rig (CR 5:1 to 22:1) Grand-in-aid No:8024/RID/BOR/MOD/70/08/09 Dated 04/12/2008.Under MODROB	Single cylinder, 4- stroke, multi fuel, 5 HP, Eddy current dynamometer
9.	Single cylinder 4-stroke diesel engine	5 HP,water cooled, Hydraulic loading
10.	LMW-LL20TL5 CNC Lathe	LMW
11.	LMW-JV55 CNC VMC	LMW
12.	Ford Car(Prototype)	MAJBXXMRKBR 24300 Model No B 515

Facilities Created in the Department of Information Technology

Sl.No	Name of the Lab	Utilization
1	Cloud computing Lab	projects in Grid and Cloud computing
2	Big Data tools & Hadoop Framework	Real time analytics association with C-DAC
3	Research Lab	Research by Ph.D Scholars
4	Software component Lab	Curriculum Experiments

Facilities Created in the Department of CSE

S. No.	Name of the Lab.	System Configuration	Qty	List of Software	Utilization
1	Cloud Kinetics powered Cloud Lab	HP Business Desktop Model Prodesk 400 G2 MT Intel Core I3 – 4130 Processor, Intel H81 Chipset Mother Board, 4GB DDR 3 RAM, 500 GB HDDrive – 7200rpm, 18.5 "TFT LED Display, Gigabit Ethernet Adapter	12	OS: Fedro Linux and Windows 7 Software: Microsoft Security Essentials, TurboC, MS-Office 2007, Adobe Reader, Open source software, Putty, WinSCP	Industry related Projects in association with Cloud Kinetics Pvt. Ltd., Chennai and Infoziant Systems Pvt. Ltd., Chennai
		Dell precision workstation T3400 Intel Core 2 quad 2.4GHz, 2GB RAM, 250GB HDD, 256 Graphics card, Dell 19" flat LCD, Dell USB keyboard & mouse	01		
		HP DX 5150 MT AMD Athlon 64 3200+ (2.0GHz), 1GB RAM, 80GB HDD, 52x CDD, 15" TFT monitor	05		

Facilities Created in the Department of BME

Sl. No	Name of the Lab	Major Equipments	Area ofResearch
1	Physiological Data Acquisition &Research	1. Analysis of ECG Signal with 22 ECG arrhymias simulator 2. Analysis of EEG Signal & DAQ 3. FPGA Development Board cyclone II-10, 4. Digital I/O cardII-10,DE2 FPGA board-1,5 mega pixel interface board, ADC/DAC interface card 5. Live optical Finger Scanner	Signal&Image Processing VLSI SignalProcesing Biometric signal Processing
2	Biochemistry & Microbiology Lab	1. Digital Microscope with Image Analysis Software with Adopter –Motic 2. Autoclave 3. Binocular Microscope 4. Incubator – DIGITAL Super deluxe 5. Hot Air Oven- DIGITAL Super deluxe 6. Digital Electronic Balance 7. VISIBLE Spectrophotometer 8. Research Centrifuge 9. Laminar Air flow – Vertical 10. Laminar Air flow – Horizontal	Observation of Living Systems particularly Microorganisms and Bio-Molecules
3	Biosignal & Image Processing Laboratory	TMS320vc5416 based DSP Trainer Kit (Model VSK 5416)	Signal Processing
4	Wipro Laboratory	UTLP-Unified Technology Learning Platform Kits	Basic Research on VLSI, DSP & FPGA

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

Yes, our institution is on track to accelerate the research activities by receiving special grants from various beneficiary agencies. The details of the grants received and research facility created through this are given below.

Sl. No.	Name of the Lab / equipment	Name of the Funding Agency	Amount in Lakhs of Rs.
Department of Civil Engineering			
1.	Geosynthetics Laboratory	AICTE	5
2.	Dynamic testing facility in structural engineering laboratory	AICTE	10
3.	Urban Air Quality Monitoring System	Tamilnadu Pollution Contol Board	100*

* Equipment for Air Quality Monitoring System has been estabilished outside the Campus at Tamilnadu Pollution Control Board office in Dindigul District.

3.2.7 **Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.**

- The faculty members are encouraged unstintedly for the Preparation of Project Proposals.
- The proposal prepared by the faculty is forwarded through proper channel to the Funding Agency.
- If the Principal investigator is invited for presenting his/her idea to the Funding Agency's Selection Committee, the Principal investigator is given on duty along with TA and DA for the same.
- After the grant is funded by the agency, the PI is given autonomy to procure equipements or consumables or Recruit project Assistants or Research assistants through proper approval from higher officials.

Details about the On-going Projects –

a) National b) International funding agencies c) Total grants received

Sl. No.	Name of the Project	Name of the Funding Agency	Name of the Project Investigator	National / International	Total Grant Received in Lakhs of Rs
Department of Civil Engineering					
1.	Urban Air Quality Monitoring Station	Tamilnadu Pollution Control Board	Dr.N. Mahendran, Dr. G.V.T. Gopalakrishna	National	1,00,00,000/-
Department of Mechanical Engineering					
2.	Experimental and numerical investigation on damping and sound absorption capacity of natural fiber composite porous materials	AICTE	Dr.D.Vasudevan	National	11,58,000
3.	Programming and Operation on CNC Turning	AICTE	Dr.R.Kannan	National	18,75,000
Department of CSE					
4.	Inclusion of FACE biometric security system using hidden markov and neural networks in banking sector	AICTE	Dr.D.Shanthi	National	3,35,000
5.	Fingerprint Recognition System for Latent Overlapped Images	AICTE	Dr. N.Uma Maheswari & Ms. S. Jeyanthi	National	3,60,000
6.	National Level Seminar	DBT, New Delhi	Dr.D. Shanthi & Dr. N.Uma Maheswari	National	0.5 Lakhs

Department of IT					
7.	Implementation of processing power calculator in adhoc network nodes to obtain overall energy consumption.(processing plus radio)	AICTE-RPS	Dr.P.Ganeshkumar Dr.A.Vincent Antony Kumar	National	3,12,000
8.	Social Relevant Project	IIT, Chennai	Dr.A.Vincent Antony kumar	National	3 Lakhs
Department of MBA					
9.	Resource utilisation, Business awareness, Marketability and Branding techniques to Scheduled Tribes (Paliyar) of Sirumalai Hills, Tamil Nadu	DST (NRDMS)	Dr. A. Sabarirajan	National	9,50,000
10.	Entrepreneurship Development Cell	EDI Ahmedabad	Dr. S. Manimaran & Dr.P.S.Venkateswaran	National	1,50,000
Department of Chemistry					
11.	Economic empowerment of rural women of Dindigul block (Tamil nadu state) through natural dyeing technology	Science for equity, empowerment and development division-New Delhi	Dr.S.Anuradha	National	47,00,000

Details about the Completed Projects –
   a)   **National b) International funding agencies c) Total grants received**

Sl. No.	Name of the Project	Name of the Funding Agency	Name of the Project Investigator	National / International	Total Grant Received in Rs.
Department of Civil Engineering					
1.	Traffic Census Survey along NH209	NHAI, Govt. of India	Dr.N. Mahendran	National	14.02 Lakhs
2.	Design of High Strength Pavements	TNSCST	Dr.N. Mahendran	National	6000
3.	Disaster Management and Mitigation	TNSCST	Dr.N. Mahendran	National	5000
4.	Application of Geosynthetics for dewatering tannery sludge	TNSCST	Dr.N. Mahendran	National	5000
5.	GIS modelling on effect of leachate from municipal solid waste	TNSCST	Dr.N.Prabhakaran	National	5000
6.	Flouride Hazard mapping	TNSCST	Dr.N.Prabhakaran	National	6000
7.	Subsurface Ground water analysis	TNSCST	Dr.N.Prabhakaran	National	6000
8.	E-governance of rural areas through Remote Sensing and GIS	TNSCST	Dr.N.Prabhakaran	National	6000
9.	Geosynthetics Laboratory	AICTE	Dr. N. Mahendran	National	5 Lakhs

10.	Dynamic Testing facility in structural Engg lab	AICTE	Dr. N. Mahendran	National	10 Lakhs
Department of Mechanical Engineering					
11.	VCR Multi-Fuel Engine	AICTE	Dr.D.Vasudevan	National	6 Lakhs
Department of ECE					
12.	Modernization of Communication Laboratory (2013)	AICTE	Dr.G.Athisha	National	15 Lakhs
13.	EEG Signal processing algorithm for monitoring Cognitive status (2013)	DRDO	Dr.K.Adalarasu	National	8.9 Lakhs
Department of CSE					
12.	National Level Seminar	DBT, New Delhi	Dr.K. Dhanalakshmi	National	0.7 Lakhs
Department of MBA					
13.	EDC	EDI Ahmedabad	Dr.S.Manimaran & Dr.P.S.Venkateswaran	National	6.5 Lakhs
14.	EDC	EDI Ahmedabad	Dr.S.Manimaran & Dr.P.S.Venkateswaran	National	6.5 Lakhs
15.	EDC	EDI Ahmedabad	Dr.S.Manimaran & Dr.P.S.Venkateswaran	National	6.5 Lakhs
16.	National Conference	DST-SERB	Dr.S.Manimaran & Dr.M.Parveen Roja	National	1 Lakh

3.3   Research Facilities

3.3.1   What are the research facilities available to the students and research scholars within the campus?

In every academic year, budget is allocated separately for Research and Developmental activities to be carried out. Due to the advancements in different areas, funds are allocated accordingly based on the requirements submitted by each department during the start of every academic year. On realizing the state of art facilities in the respective departments, it is offered to the students and research scholars in a proper manner by organizing Workshop and Hands-on-Tutorials. Such programmes are organized by utilizing the experts from whom the research facility is installed.

Sl.No	Name of the Department	Resources Facilities available
1.	Civil Engineering	Servo Hydraulic Dynamic Actuator in Structural Lab
2.	Electronics & Communication Engg.	Matlab V, Agilent, Lab View, VLSI – pspice
3.	Electrical & Electronics Engg.	Siemens tools
4.	Computer Science & Engg.	Cloud Computing lab Research Lab
5.	Information Technology	Hadoop Framework and Big Data Analytics tools.
6.	Biomedical Engineering	Biochemistry lab- Observation of Living Systems particularly Microorganisms and Bio-Molecules

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The institution has a strategy for planning, upgrading and creating infrastructural facilities to meet the demands or requirements in the emerging areas of research.

- Due to the advancements in different area, for every academic year, the professors have to prepare a budget for Research and Developmental activities to fulfill the needs of establishing the state-of-art infrastructure to carry out the research activities smoothly and successfully.
- If any new journals are introduced under any discipline, subscription is made and it will be given open access to both students and faculty.
- The budget is submitted to the Management Committee for approval.
- After approval, the funds are allocated accordingly based on the requirements submitted by each department.
- On realizing the facilities in the respective departments, it is offered to the students and research scholars in a proper manner by organizing Workshop and Hands-on-Tutorials. Such programmes are organized by utilizing the experts from whom the research facility is created or installed.
- The latest facilities are updated in the stock register and the stock verification is done at the end of every year. If it requires any repair, it is undertaken inside the campus with the support of either in-house trained technicians or the company experts.
- For easy access to the e-journals, infrastructure is established for the provision of digital library.
- Video lectures are taken by the senior faculties, and it is uploaded in the digital library for easy access from anywhere at any time.
- Video recording tools and trained man power support are available to have a smooth progress.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments / facilities created during the last four years.

Yes. The following facility is created through the grant received from the funding agency AICTE.

Sl. No.	Name of the Laboratory	Name of the Funding Agency	Principal Investigator & Department	Amount in Lakhs of Rs.
1.	Modernization of communication laboratory	AICTE	Dr.G.Athisha & ECE	15
2.	Modernization of Structural Engineering Laboratory	AICTE	Dr.N. Mahendran	10

3.3.4   What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

Sl. No.	Name of the Laboratory	Facilities Established
1.	Structural lab	Dynamic Testing Facility in Structures
2.	GeoSynthetics Lab	To solve complex engineering problems require a high level of quality and durability
3.	Bitumen Research Lab	Bitumen mix Design
4.	Siemens Lab	Automation and Drives Lab
5.	Agilent Lab	RF Measurements and Simulations
6.	Cloud Computing Lab	Cloud Computing Softwares and Tools – Configured in 15 Cloud terminals
7	Biochemistry lab	Observation of Living Systems particularly Microorganisms and Bio-Molecules
8.	Physiological data acquisition and research laboratory	Biosignal acquisition, Biometric system, Image and signal analysis

3.3.5   Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

The institution is well equipped with a central library. The library facilitates the students to gain wide and deep knowledge through Technology books and latest information in technologies through Magazines and Periodicals.

- Online Public Access Catalogue (OPAC) – In-house software developed by our students
- Electronic Resource Management package for E-journals
- Exclusive 256 Mbps bandwidth based access for E-resources.
- Our Digital Library (http://192.168.10.5/) provides access to the following E resources collections

OPAC (Online Public Access Catalogue)

The PSNACET Library has more than 1,40,000 lakhs of bibliographical records which includes books, e-books, journals, e-journals, monographs, bound volumes of periodicals and audio and video materials. The library catalogue of books and other reading material can be accessed through intranet. The user can search library resources by entering the keywords such us author, title, publisher and year of publication etc., The E-resources can be accessed throughout the campus through an IP address (http://192.168.10.5/) Electronic Resource Management package for e-journals:

Publiser	Specialization	Total No. of e-Journals subscribed
(IEEE) Institute of Electrical and Electronics Engineers	Computer Engineering + Computer Science + Electrical and Engineering Telecommunications and related disciplines	169
American Society of Civil Engineers (ASCE)	Civil Engineering	35

American Society of Mechanical Engineers (ASME)	Mechanical Engineering	27
Science Direct (Elsevier)	Engineering + Computer Science + Electrical + Electronics + Mechanical + Civil and Structural + Aerospace + Biomedical + Industrial and Manufacturing + Ocean Engineering + Computational Mechanics and Safety Risk, Reliability and Quality + Computer Network and Communications, Artificial Intelligence, Computer Science , Computational Theory and Mathematics, Computer Graphics and Computer Aided Design, Information Systems	275
J-Gate	Management Sciences	2120
NISCAIR Journals	Engineering Sciences	7
SAGE Journals	Management + Science	2

Federated searching tools to search articles in multiple databases:
The open source Green stone Digital library Software which is a federated searching tool is implemented.

Library Website
The link to library website is (http://psnacet.edu.in/lib-introduction.php) which gives all the updated information about the college library.
In-house / remote access to e-publications:
E- Resources can be accessed anywhere within the campus.
In addition to the above, each department has its own departmental library which stacks commonly used text books to cater to the needs of Anna University Curriculum.
- Total number of computers for public access and content management – 46
- Total numbers of printers for public access– 4
- Internet band width speed – 256 Mbps

3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.

Sl. No.	Name of the Department	Details about the Facility Created
1.	Civil	Building Information modeling Lab
2.		Remote Sensing & GIS Lab
3.	EEE	PSNA-SIEMENS Automation and Drives Lab has been established to train the students

4.	ECE	Agilent Lab, Lab View
5.	CSE	Cloud Kinetics powered Cloud Lab
6.		Creation of SOPC Laboratory& got help to get Altera Quartus II software form Altera , USA - Enixs Technology
7.	BME	Purchase & Installastion of Altera Quartus II software form Altera ,USA - Enixs Technology
8.		Wipro Lab - UTLP-Unified Technology Learning Platform Kits

3.4   Research Publications and Awards

3.4.1   Highlight the major research achievements of the staff and students in terms of

Patents obtained and filed (process and product)

SI.No	Faculty member	Name of the invention	Patent details
Department of Mechanical Engineering			
1.	Dr.D.Vasudevan Dr.G.R.Kannan	Solar Energy Based Air Cooler Using Peltier Effect for a Telephone Booth	1349/CHE/2014 & 14/03/2014
2.	Dr.D.Vasudevan	A Process for the Preparation of Bio – Diesel from Vegetable Oil	Patent No.246863
Department of EEE			
3.	Mr. J.E.Moshe Dayan	Solar and Wind Powered Series Hybrid Ground Vehicle	4431/CHE/2011 Application Awaiting Examination

Original research contributing to product improvement

The orginal Research contributing to Product improvement is presented below

- A Renewable energy based Hybrid Ground vehicle.
- A wheel Chair cum Stretcher Prototype is designed and tested.
- An e-voting Machine is designed to incorporate AAdhar and Biometric verification in Election process.
- A Virtual Reality e-surgery prototype is designed and tested using arduino.

Research studies or surveys benefiting the community or improving the services

The students are motivated to take socially relevant projects during their course of study. Trainings are given accordingly; through this their minds are ignited to come out with some Ideas. Some of the best ideas are transformed into prototype. Such practices are followed by all the departments.The department of Information Technology in joint venture with IIT, Madras is involved in IIT-SRP Project by estabilishing IIT Madras Mobility Centre at Dindigul.

Research inputs contributing to new initiatives and social development

Organizing or presenting papers in National and International conference and participation in workshops, seminars and Research Promotion programme contribute to new initiatives. Making tie-ups with industry or academic organization like IITs, NITs additional knowledge is acquired. These kinds of inputs contribute to new initiatives and social development.
- The department of IT has made a tie up with IIT, Madras to eastablish a Community centre at Dindigul.
- Resource utilisation, Business awareness, Marketability and Branding techniques to Scheduled Tribes (Paliyar) of Sirumalai Hills, Tamil Nadu contributes to new initiatives and Social development of Scheduled tribes is undertaken by department of MBA.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Yes, our institution publishes a Bi-annual research Journal in the Department of Management Studies. The International conferences were organized for which IEEE; IE had acted as our partners, through which special publication and release were made in 2012, 2013, and 2015. The details about the journal are given below.
PSNA Journal of Business and System
Journal Name: PSNA JOURNAL OF BUSINESS AND SYSTEM
ISSN: 2319-2909, RNI No: TNENG/2011/36418
Chief Editor: Dr.R.S.K.Lakshmana Prabhu
Editorial Team
Dr.S.Manimaran,
Dr.P.S.Venkateswaran,
Dr.M.Parveen Roja
EDITORIAL ADVISORY BOARD
1. Dr. S. Denadhayalan, Professor, Department of Business Administration, Jimma University, Ethiopia
2. Dr. C. Chandran Professor and Head, Department of Business Administration Madurai Kamaraj University, Madurai
3. Dr. N. Panchanatham Professor & Head,

Department of Business Administration, Annamalai University, Chidambaram

4. Dr. S. Kaliamoorthy, Professor & Head,
   Department of Business Administration, Alagappa University, Karaikudi

5. Dr. S. Manivel, Professor, Faculty of Rural Social Sciences, Gandhigram University, Gandhigram

6. Dr. Mahesh, Professor, Department of Business Administration Anna University, Chennai

7. Dr. T. Vanniarajan, Professor, Department of Business Administration, NMSSVN College, Madurai

8. Dr. C. Swamalatha, Professor ,Department of Business Administration Anna University of Madurai, Madurai

Sl. No.	Name of the Conference	Name of the Journal	Organized Department & Year
1.	International Conference on Computing, Communications and Applications (ICCCA'12)	IEEExplore Online – Digital Library	ECE,CSE,IT, MCA & 2012
2.	IEEE International Conference on Power, Energy and Control	IEEExplore Online – Digital Library	EEE & 2013
3.	International Conference on Future Trends in Engineering and Technology (ICFTET2015)	International Journal of Applied Engineering Research	Mech. & 2015
4.	International Conference on Disaster management and mitigation (ICDMM 2015)	International Journal of Earth Science and Engg.	Civil & 2015

3.4.3   Give details of publications by the faculty and students:

Publication per faculty

The faculties in all the departments are encouraged to engage in research. All the major departments have their Masters degree in different specializations. Hence, there is a very good opportunity to constantly engage in some research. The findings of the work are published periodically in National and International Journals.

The summary of the publications made by each department in the last four years are presented below.

Sl. No.	Name of the Department	Total No. of Publications
1.	Civil Engineering	82
2.	Mechanical Engineering	187
3.	Electronics and Communication Engineering	308
4.	Electrical and Electronics Engineering	209
5.	Computer Science & Engineering	232
6.	Information Technology	205
7.	Bio Medical Engineering	54
8.	Master of Business Administration	88
9.	Master of Computer Applications	107
10.	Mathematics	95
11.	Physics	59
12.	Chemistry	120
13.	English	39

The department wise publication per faculty is given below

Sl. No.	Name of the Department	Publications per Faculty
1.	Civil Engineering	2.48
2.	Mechanical Engineering	4.675
3.	Electronics and Communication Engineering	4.4
4.	Electrical and Electronics Engineering	5.5
5.	Computer Science & Engineering	4.64
6.	Information Technology	4.17
7.	Bio Medical Engineering	4.91
8.	Master of Businees Adminitration	5
9.	Master of Computer Applications	4.46
10.	Mathematics	2.79
11.	Physics	4.53
12.	Chemistry	8.57
13.	English	3

The details about the contributions made by each faculty are presented in Department Evaluation Report.

Number of papers published by faculty and students in peer reviewed journals (National / international)

The faculty members and PG students constantly engage in doing projects in the thrust areas of the respective departments and their findings are published as papers in Peer review National and International Journals periodically. The details about the total number of papers published by faculty and students in peer reviewed National and International Journal is presented below.

Sl.No.	No. of Publications in National Journal	No. of Publications in International Journal	If any made by Students
Department of Civil Engineering			
1.	5	62	20
Department of Mechanical Engineering			
2.	-	187	38
Department of ECE			
3.	-	268	40
Department of EEE			
4.	-	209	31
Department of CSE			
5.	-	232	87
Department of IT			
6.	42	163	42
Department of BME			
7.	10	44	4
Department of MCA			
8.	-	107	-

Department of MBA			
9.	23	60	2
Department of Mathematics			
10.		95	
Department of Physics			
11.	2	57	
Department of Chemistry			
12.	2	118	-
Department of English			
13.	6	33	

Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

The details of Citation Index, SNIP, SJR, h-index, impact factor for the publications made by the faculty are presented in the department Evaluation Report. The total number of publications listed in International Database is given below.

Sl. No.	No. of Publications	Listed in SCOPUS, EBSCO etc.
Department of Civil Engineering		
1.	43	Scopus
2.	32	Others
Department of Mechanical Engineering		
3.	99	Scopus & EBSCO
Department of ECE		
4.	72	Scopus
5.	19	Web of science
6.	217	Others
Department of EEE		
7.	189	Scopus
Department of CSE		
8.	60	Scopus
9.	81	Google scholar
10.	05	EBSCO
Department of IT		
11.	31	Scopus
12.	11	Web of Science
Department of BME		
13.	8	Scopus
Department of MCA		
14.	18	SCI
15.	13	Scopus
16.	76	Others
Department of MBA		
17.	17	Scopus
Department of Mathematics		
18.	53	Scopus

Department of Chemistry		
19.	21	Scopus
20.	6	Web of Science
Department of Physics		
21.	57	Scopus & Others
Department of English		
22.	1	Scopus

Details of Books/Monographs/chapters in books/ books edited with ISBN/ISSN numbers with details of publishers

Sl. No	Name of the Faculty	Name of Books / Monographs / Chapters	Authored Edited/ Reviewed	ISBN/ ISSN Number	Details of Publishers
Mech.					
1.	Dr.R.Kannan Dr.V.Paramasivam	Manufacturing Technology Laboratory Manual	Authored	-	Shanlax Publications Madurai
ECE & EEE					
2.	Dr C Chitra & Dr.K. Mahadevan	Electrical Circuit Analysis	Authored	978-81-203-5047-2	PHI
3.	Dr.P.Maniraj Kumar & Mr.K. Ramamoorthy	Electronics and Microprocessors	Authored	978-93-80659-51-1	SriKrishna Publications
4.	Dr.P.Maniraj Kumar & Dr.S. Sasikumar	Digital Electronics	Authored	978-93-80659-06-0	SriKrishna Publications
5.	Dr.P.Maniraj Kumar & Dr.K. Bommanaraja	Digital Principles and System Design	Authored	978-93-80659-98-2	SriKrishna Publications
6.	Dr.P.Thirumurugan A.SelvaPandian P.Rajasekaran	Electronic Devices	Authored	938597711-3	Shanlax Publications, Madurai & 2016
CSE					
7.	Dr. D. Shanthi	Ever Green C projects	Authored	9788183711081	SCITECH Publications & 2008
8.		PC Tools and Techniques	Authored	8183710336	SCITECH Publications & 2006
9.		Computer Fundamentals with MS Office Applications	Authored	8187328886	SCITECH Publications & 2002
10.		Computer Concepts and Windows	Authored	8125912398	Vikas Publications & 2002
11.		Computer Programming Laboratory Manual	Authored	8187328541	SCITECH Publications & 2001
12.		Computer Programming	Authored	-	Charulatha Publications & 2015

13.	Dr. N. Uma maheashwari, Dr.R. Venkatesh – Prof/IT & Dr. S. Jeyanthi	Compiler Design	Authored	9789380381428	YesDee Publications & 2015
14.	Dr. K.Manivannan	Java Programming Paradigms	Authored	9789384193379	Jayalakshmi Publications 2013
15.		Programming Paradigms	Authored		Hayagiri Publications &2014
16.		Object oriented Analysis and Design			
17.	Mr. S.K.S. Somasundaram	Data structures Algorithm Analysis in C	Authored		Sri Krishna Publications & 2008
18.		Fundamentals of Computing	Authored		JAITECH Publications & 2001
19.	Dr. T. Hemalatha	Visual Programming	Authored	-	Sri Krishna Publications & 2007
20.		Programming in C	Reviewed	-	Tata Mc. Graw Hill
BME					
21.	Dr.K. BommanaRaja & Mr.P.Sasikumar	Basic Electrical and Electronics	Authored	978-81-909491-6-3	Sri krishna hitech publications-2010
IT					
22.	Dr.A.Vincent Antony kumar Dr.M.Jaiganesh Dr.P.Ganesh Kumar	Fundamentals of Pervasive Computing	Authored	978-81-9088837-6-4	Sundev Frontier Publication & 2012
MCA					
23.	Dr. P.Jaganathan	Web Programming Essentials	Authored	9789351630494	Thakur Publications
24.	Dr. K. Balasubramanian	Development of Contrast Enhancement Techniques for Digital Images	Authored	978-3-659-79569-5	Lambert Academy
Physics					
25.	Dr. G. Natarajan	Engineering Physics,	Authored	-	Sri Krishna Publications, 2005

Citation Index/SNIP/SJR/Impact Factor/h-index

The details are presented in the respective department evaluative summary.

3.4.4   Provide details (if any) of
Research awards received by the faculty

SL. No	Name of faculty	Venue	Date	Awards / position
1.	Dr.G.Athisha	The Economic for Health and Educational Growth	2013	Vidya Ratan Award
2.	Dr.G.Magudeeswaran	Venus international foundation, Chennai	2015	Outstanding faculty award
3.	Mr.S.Karthikeyan	IIT, Mumbai	2013-2014	Award of excellence as faculty coordinator
4.	Mr.S.Karthikeyan	Jayaram College of Engg. & Tech, Trichy	2013	Certificate of Honour
5.	Ms.S.Sobana	Karpagam Engineering college, Coimbatore	2014	Best Innovator and best achiever award
6.	Mr.R.Saravanan	Karpagam Engineering college, Coimbatore	2014	Best Innovator and best achiever award
7.	Dr.T.Muthupandian	NFED, Chennai	2012-13	Outstanding contributor to Teaching and Research
8.	Dr.T.Muthupandian	NFED, Coimbatore	2013-14	Senior Educator and Researcher
9.	Ms.P.Vijayalakshmi	NFED	2015-16	Senior Educator and Researcher
10.	Ms.R.Sindhya	NFED	2015-16	Senior Educator and Researcher
11.	Dr.T.Muthu Pandian	ASDF GLOBAL, Bangkok, Kingdom of Thailand	2013-14	ASDF Global Award for Best Professor of the year 2014
12.	Dr.S.Manimaran	Award by World Education Congress and CMO Asia	2014-15	Recipient of "Best Professor in Management Information System in Asia"
13.	Dr.T.Muthu Pandian	MTC Global Award for Excellence	2014-15	Distinguished Teacher Award Management
14.	Dr.T.Muthu Pandian	EET CRS	2015-16	Certificate of Excellence
15.	Dr.T.Muthu Pandian	ASDF	2015-16	Best Non-Circuit Faculty SIAA Award
16.	Dr.P.Babu	Indian Red Cross Society and Meenakshi Mission Research Center	2015	Best Motivator Award

Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

- Largest CSI Student Branch award is given to CSE Department for having the CSI-PSNACET Student Branch in the 50th CSI Annual convention held at Vizhagpatinam in December 2014

Incentives given to faculty for receiving state, national and international recognitions for research contributions.

<div align="center">NIL</div>

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing Institute-Industry interface?

The strategies for establishing Institute-Industry interface are given below.

- Based on the Centre of Excellence every department has identified the thrust area which has lots of challenges and research issues.
- The state-of-art facilities for such identified Centre of Excellence must be available in the departments to facilitate smooth conduct of research by scholars.
- To set up the state-of-art facilities, every department has to identify the industries that fall under the same Centre of Excellence, approach them and analyze them in terms of Services and Support what they offer.
- If any such industries are identified and all sorts of interactions are made, the Head of the Department has to submit a proposal to the Research Committee.
- Further, the proposal is recommended by the Convener of the Research Committee to the Management Committee.
- On approval of the Management Committee, the Official from the industry is invited for signing of Memorandum of Understanding.
- The terms and conditions in the MoU for the college are clearly formulated and it is shared with the respective industry. Likewise their terms and conditions are also clearly shared between the respective authorities.
- On signing the MoU, other activities associated with industry will be further proceeded.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

Our institution has a flexible policy for promoting consultancy. This is achieved by the following ways

- Every engineering department posts their accomplishments about the programmes organized so far and programmes scheduled in near future, individual expertise, the socially relevant Projects accomplished so far, details about the Industry-Institute interaction etc officially in the college website.

- Highly experienced and trained faculties are available and their areas of expertise are publicized through College Website.
- The innovations made by the departments are demonstrated in front of the press to be published in the regional dailies.
- The socially relevant projects are published in the Regional dailies and the state.
- Students are given exposure to undertake mini projects during their Third year course of study and creamy students are deputed for undergoing the consultancy works.
- Since the institution is located in the industrial town, lots of industries like small scale and Medium scale are situated in and around 30 Kms.
- Faculties are encouraged to engage in the consultancy work for which appraisal is given accordingly.

3.5.3   How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The institution encourages the faculty members who wish to extend their expertise to undertake any of the work that comes to him/her by adopting the following guidelines.

- The faculty has to approach the Head of the Department about the type of consultancy and name of the organization and their requirements thoroughly.
- The head will go through the requirements and agreement will be made through Letter of Intent. It is further forwarded to Management Committee for approval.
- On approval the consultancy work will be started.
- The consultancy share is given to the team members in the ratio of 60:40.
- The infrastructure facilities are utilized for undertaking the consultancy work.

3.5.4   List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

S. No.	Project Title	Client	Status	Value
		Civil		
1.	Investigation on Soil Bearing Capacity by SPT & Bitumen Testing	Sankar Associates, Vasavi Jewellery Mart, Er. S. Venkitakrishnan, AEE, Buildings (C&M) Sub Division, Medical Works, Mr. T. Venkateswaran, Project Director, Shapoorji Pallonji & Co Ltd, The Block Development Officer, Panchayat Union Office, Nillakottai Block, Dindigul, etc.,	Completed	Rs.8,94,000.00

2.	Testing of Water Quality Parameters	Murugeshwari, Oddanchathiram, Mr.C.Ravichandran, Chennai, Dr.T.Duraimurugan,KT Hospital, Senthil Service Station, etc.,	Completed	Rs.13,000
3.	Compressive strength of Concrete Cubes	Naga foods unit, Dindigul	Completed	Rs.1,44,000
4.	Strength of Material testing	GVR Infra Projects Ltd, Chennai, etc.,	Completed	Rs.1,03,000
Mech.				
5.	Solar Evaporator	M/S Jayasorna Agro Tech	Completed	Rs.50,000
6.	Design of Ball Screw	Elroble	Completed	Rs.50,000
ECE				
7.	Return loss measurement and Impedance Measurement in Agilent N9926A 14GHz Field Fox Handheld Vector Network Analyzer	Sri Venkateshwara college of Engineering,Chennai, KLN College Of Engineering,Sivagangai, RMD Engineering College,Chennai, Anna University Regional center, Coimbatore	Completed	Rs.65,000
EEE				
8.	Detailed Energy Audit	Cylwin Fashions Mills, Tirupur, Anugraha Fashions Mills, Tirupur, SRG Apparels (p)Ltd, Gudimankalam, APEX Solar Plant, Thuraiyur, etc.,	Completed	Rs.2,88,500
CSE				
9.	An Intranet based Smart Library Management System	PSNACET Library (In-house)	Completed	Nil
10.	HR Module and Studio Transaction Module	Surya Color lab, Dindigul.	Under Progress	Nil
11.	Feedback Assessment System	PSNACET (In-house)	Under Progress	Nil
12.	Development of a bulk SMS system to TNEB Pensioners Welfare Organization	TNEB Pensioners Welfare Organization	Completed	Nil
BME				
13.	MiniProjects for Students of PSNACET	WiproTechnologies	Completed	Nil
14.	Assistance to Research Scholars	Enixs Technology,Bangalore	Under Progress	Nil
15.	Bioremediation Environmental pollution and health hazard management – Microbial degradation of tannery effluent	Dindigul Tannery Association	Completed	Nil
16.	FingerPrint Acquisition and Processing	Benchmark Electronics Pvt.LTd.,	Completed	Nil

17.	Softcomputing Techniques for clinical decision making- Sponsored Research	ISTE – SRM STTP on Soft Comuputing Techniques for Clinical Decision Making" 7.7.14 – 13.7.14	Completed	Rs. 1 Lakh
MCA				
18.	Knitman 205	Evermellow, Tiruppur	Completed	Rs.1,50,000
19.	People Entreat System	District Collectorate, Dindigul	Completed	Nil
20.	In-House Consultancy (i)Office Automation System (ii) Library Management System (iii)PF Management System (iv)Online Feedback System (v)Gate Register System	PSNACET	Completed	Nil
MBA				
21.	19 Consultancy Works	To various companies in business related issues in service motive.	Completed	Nil

3.5.5 **What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?**

- The income generated through the consultancy is shared between the Faculty involved and Institution in the ratio of 60:40.
- The faculties involved in the consultancy will share his/her share with their team members based on their contribution towards the success of the outcome of the work.
- The income generated through consultancy is invested for the college development.

3.6 **Extension Activities and Institutional Social Responsibility (ISR)**

3.6.1. **How does the institution promote institution-neighborhood community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?**

Our Institution promotes various societies like NSS, YRC, Rotaract Club, Blood Bank, HELPS, ISTE and IE. Through these societies the students are exposed to various service orientation camps like Blood Donation Camp, Arrest Global Warming – Tree Plantation Camp through HELPS, Rural youth unemployment programme, Second Grade Teachers training Camp, PG Assistant Teachers training Programme etc. The extension activities of the college ensure that the students are exposed to the societal needs and through such activities they are inculcated to nourish their social responsibilities. NSS activities play a vital role in involving the students in community work. Regular blood donation camps bring awareness to students about the value of life and their own contribution in saving the lives. Participation in a variety of sports activities inculcates sportsmanship and team work among students and contributes to the holistic development of students.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

The students are encouraged right from the beginning of the course to involve themselves in various clubs and to participate in club activities to bring out their hidden talents and potentials. Several activities are organized through various clubs. The strategies followed to promote citizenship role are given below.

- The Head of the Institution will identify a senior faculty member and appoint him/her as an Institutional in-charge by issuing an official order.
- The In-charge has to effectively deliver his/her responsibilities to instantiate student members by conducting some awareness talk to the students.
- For every academic year the in-charge has to prepare a Proposal about the activities that have to be organized in the same academic year and it is submitted for approval.
- On approval, the activities are convened by forming a committee comprises of Faculty members, Student Coordinators and Student Volunteers.
- At the end of the year, the student coordinators and volunteers are given recognition through presenting Certificate of Coordination or Appreciation, thereby the level of ability and potential and leadership qualities are identified and promoted.

Some of the events which are organized in the last four years are given below.

List of events organized through various Clubs/Societies

1. HELPS (Healing Environment by Levitating Passion among Society)

Name of the Event	Date
Inauguration of Energy Society	13.04.2013
FESTLLEN'14 (Mini Project Expo) Theme: Energy Conservation/ Green Environment	18.07.2014
Energy Scenario and Conservation Techniques (Seminar)	25.01.2014
Energy Conservation (Poster Competition)	07.04.2015
Gifting Green by HELPS	15.04.2015

2. Programs on Moral and ethical values organized through Departments

S. No.	Department	Name of the Programme	Resource Person	Date
1.	Civil Engineering	How to Build a Quality House	Mr.S. Gnanavel Murugan	10.08.2014
2	Mechanical Engineering	Ethics for Global competitiveness	Mr. B.Sathasivam AGM- Materials, Roots industries Ltd, Coimbatore	04.09.2010
		Professional ethics for air conditioning engineers	Mr. Shankar Rajasekaran- Zonal Chair ISHRAE Southern Chapter	07.08.2013

3	Electronics and Communication Engineering	Guest lecture on Bloom Taxonomy	Dr.M.Jeganath,VIT, Chennai	30.03.2015
		Guest Lecture on "The Road Less Travelled"	By Dr.N.Nedumaran, Rtd, Professor and Head, American College, Madurai.	27.09.2012
4	Computer Science & Engineering	One Day Workshop on "Awareness programme on Professional Ethics"	Dr.T.Ravichandran Assistant professor, Dept. of gandian thought, Gandhigram rural Institute,Gandhigram	06.09.2013
5	Information Technology	Achievement Motivation Training Programme	M/s. ZEN, Chennai	11.07.2014 to 16.07.2014
		Confidence Building Training Programme	M/s. RIPE Institute Pvt. Ltd., Chennai	03.08.2013 , 17.08.2013 , 31.08.2013 , 15.02.2014 & 01.03.2014
		Orientation Training Programme	M/s. ACE Panacea, Chennai	11.07.2013 to 15.07.2013
		Motivation Training Programme	M/s. BELL Soft, Chennai	20.07.2013
6	Master of Business Adminitration	Guest lecture -Success Story	Mr.N.Anantha Kumar Managing Director Royal Sports Nehruji Nagar Dindigul	26.08.2014
		Leadership Development	Mr.Murali Senior Manager- The Hindu, Chennai	20.05.2015

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The following initiatives are taken to improve the quality of service offered to the society through our institution.

- Feedback is obtained from the students about the Course and Faculty periodically once in every semester.
- Feedback is sought from the faculty about the Course Requirements and the availability of the teaching resources or aids.
- Regular meetings are convened between the
  - Faculty and Head of the Department
  - Students and Head of the Department and Class In-charge
- Periodically the parents are invited to attend the Parent's Meeting through which suggestions are collected and forwarded to improve anything if there is a need.
- The suggestions are obtained from the distinguished experts whoever visits the college in order to provide quality education to the students.
- The Alumni association is effectively functioning in our Inst,titution. Every year alumni meet is convened within India and across Countries like Dhubai, USA, Malaysia & Singapore etc. Suggestions are sought

during these meets. The obtained suggestions are used by the authorities to further improve the quality of the system.
- Feedback about the performance of the students who got placed in various Corporate and Industries is shared by the HR Managers to the Placement Officer
- Alumni Meet is regularly conducted at various places with in India and abroad. In every alumni meet, alumni share their views about how our institution has influenced them to become successful in career and life. Suggestions are given by alumni to the officials during the meet.
- Our students have received various awards like Best Performer Award and Best Trainee Award during their Training.

The feedback collected from various stakeholders are considered in the following ways
- The feedbacks collected through the above mentioned sources are analyzed carefully and further changes may be applied in any of the horizontals or verticals to enhance the Quality of Education.
- Any additional knowledge that is expected to be possesed by the students is introduced as Value Added Courses.
- Alumni who are doing key role or working in any reputed companies are invited to address the students.
- The suggestions made by the parents are accommodated in the Tutor Management system. For example any special or placement related classes need to be informed well ahead so that they can make their wards to attend regularly.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

For every Academic year, the club / society in-charges have to prepare a proposal on the events which they are planning to organize in the academic year and submit it to the Management Committee under the heads of Research & Development category. On approval, the sanctioned budget will be offered to the in-charge and the programme has to be organized. Within 10 days from the date of the event, the duly signed Statement of Expenditure should be submitted to the Senior Finance Manager.

Sl. No.	Year	Total Expenses
1.	2012 – 2013	Rs. 1,30,000
2.	2013 – 2014	Rs. 1,52,000
3.	2014 – 2015	Rs. 1,77,000
4.	2015 - 2016	Rs. 1,52,000

The impacts created through such programmes are
- Social Awareness and Societal responsibility are inculcated.
- Nourishment of Helping Tendency among People.
- Leadership skill and organizing ability is explored and improved.

3.6.5 **How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?**

The extension activities of the college include not only NSS but other clubs such as HELPS, Blood Donors Club, MATHS club and Fine Arts Club etc. For every academic year the Club In charges have to organize one or two events. Such events in each club are convened / coordinated by a faculty member and additional faculty members are deputed to help in the smooth conduct of the club activities.

The students are encouraged to enroll themselves as members of a club. They can be a member in one or more clubs. The office bearers of each club are either elected or nominated and the office bearers have to synchronize with the faculty convener to plan and execute the activities. A committee will be formed with student members other than the office bearers. The student members are selected from each branch and each year in equal numbers to be the member of the committee. The entire team forms the office bearers who are actively involved by contributing some novel ideas for the functioning of the club. Functions are organized during National days such as Independence Day and Republic Day and students are encouraged to organize and participate in the events conducted on such days.

Whenever public awareness programmes on Anti corruption, Flag Day are organized by the Corporation or the Government of India, the students are encouraged to participate and permitted on –duty for such participation. The essentialities of conserving energy and to harvest the idea of green globe are inculcated in the minds of public through effective involvement of student community. Students are educated to protect, preserve and promote the harmony of the man kind with the Mother Nature and to ensure the usage of resources without exploitation.

The substantial outcome of promoting such activities leads to the growth of Organizational skill like Leadership quality, Team building Capacity, adaptability and awareness on social illnesses and the contribution of the individuals towards attaining the Mission and Vision of our Nation.

3.6.6 **Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?**

Free Eye camps are organized by the MBA department for the vulnerable section of the soceity. Through this the rural people are created awareness by engaging the team of Eye Specialist from Aravind Eye Hospital, Madurai. Details are presented in section 3.6.8.

3.6.7   Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The objective of the extension activities are
- To create awareness to the students on various aspects of real life situations and to bring them as good citizens.
- To mould the students through various activities through which they are educated to balance both academics and socially responsible activities.
- To encourage the students to help the orphanages and under- privileged.
- To make students realize the reality of the life through exposures.
- To inculcate in the minds of human society about the essentiality of conserving energy and to harvest the idea of green globe through effective involvement of student community.
- To protect, preserve and promote the harmony of the human kind with the Mother Nature and to ensure the usage of resources without exploitation.
- To generate awareness among the youngsters about the need of energy conservation and other ecological aspects like minimizing plastic usage, relying on non polluting sources of energy, etc.
- To spread the idea of green globe to different sectors of the society.
- To motivate the usage of eco friendly energy sources.
- The above objectives are realized by
- Students actively come forward to save our earth by planting trees enormously.
- The attitude of the students has changed and their helping tendency is increased.
- An exposure about the societal needs and issues are well acquired.
- Students become aspirants to serve our nation through joining Defence, appearing for Civil Services examinations etc.
- Students are stimulated to extend financial and educational support to down trodden.
- Students become more empathetic and realistic in handling every aspects of life.

3.6.8   How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

The extension activities are designed to promote direct interaction between the students and the community. The NSS camps pave way for the rural student community to interface with professional college students. HELPS creates awareness to the society in protecting our environment. PEN NALAM an NGO created awareness on various types of Cervical Cancer to the Women society through ISTE.

Sl. No.	Name of the Programme	Type of Participants	Company	Month & Year
1	Free eye camp	Students	Arvind eye hospital, Madurai	August 2015
2	Offering free food	Students	Venus trust	February 2016
3	Games and cultural on Jan' 2012	Students	GRACE GARDEN TRUST (an orphanage) in NEELAMALAIKOTTAI. DINDIGUL	Jan' 2012
4	Inagural function-12th September 2012-Lecture on "Awareness on First Aid"	Students	Chief guest – Dr. J. Rajah, MBBS, FCGP, President, IMA and Dr. S. Suguna, MBBS, Secretary, IMA.	September 2012
5	Attending a rally on 21st January 2014 to celebrate the 150 years completion of IRCS	Students	IRCS, Dindigul District branch	January 2014
6	Inagural function-10th October 2014-lecture on "Fire prevention methods"	Students	Chief guest – Mr. T. Puroshothaman, Station Officer, Fire & Rescue Station, Dindigul and Mr. P. Jeyakumar, Station Transport Officer, Fire & Rescue Station, Dindigul	October 2014
7	Receiving 'Certificate of Appreciation' from IRCS - 2014	Staff coordinator	IRCS, celebrating the 65th Anniversary of Geneva Conventions at MKU, Madurai	2014
8	Welfare programme on 1st March 2015	Students	"DHAN Foundation" - Nilakkottai near Dindigul	1st March 2015
9.	College Bazaar	Self Help Group	Dindigul District – Self Help Group	Every Year*

* Highest sale is achieved every year by the Members of SHG.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

At present our institute has established a constructive relationship with Blood Bank and Dindigul Rotaract Club. Through this relationship every year on Founder's Day or Memorial Day for the founder blood donation camps are conducted several 100 Units of blood is collected by Meenakshi Mission Hospital, Madurai and Dindigul Blood Bank. Dindigul rotaract club organizes several programmes through our PSNACET-Rotaract club for the welfare of the society. PSNACET has a separate wing in Dindigul Soceity as PSNA Trust Mobility Centre and Community Centre.

S. No	Name of the Programme	Type of Participants	Company	Period
1	Social Outreach Programme	Students	Orphanage, Grace Garden Trust, Dindigul	28/10/2015
2	Empowering Rural Youth with Computer Based Skills	Self-help group members	Self Help Group	01/06/2015-02/06/2015
	Empowering Rural Youth with Computer Based Skills	Self-help group members	Self Help Group	02/05/2014-03/05/2014
1	Empowering Rural Youth with Computer Based Skills	Self-help group members	Self Help Group	13/05/2013-14/05/2013
2	Social Outreach Program	Students	Mentally Retarded, Liliance School, Nilakottai	02/10/2013
3	Blood donors club	Students	Kasthuribha Hospital, Gandigram & Government Hospital, Dindigul	18/07/2013
4	Blood donors club	Students	Kasthuribha Hospital, Gandigram Government Hospital, Dindigul	17/07/2014
5	Blood donors club	Students	Government Hospital, Dindigul	18/07/2015
6	Blood donors club	Students	Meenakshi Mission Hospital, Madurai	17/08/2015
7	Blood donors club	Students	Kasthuribha Hospital, Gandigram & Government Hospital, Dindigul	18/07/2012

3.6.10 **Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.**

- Our Co-Chairman Dr.R.S.K. Lakshmana Prabhu (late) received the "Best Edupreneur Award" for the year 2014.

- Dr. P. Babu, Associate Professor, Department of MCA, had received the "Best Contributor Award" given by Meenakshi Mission Hospital, Madurai.
- Dr.T.Muthu Pandian, Professor, Department of MBA, had received the "Outstanding Faculty for the contribution in the field of Management" given by Venus International Foundation for the Academic year 2015-16.

3.7   Collaboration

3.7.1   How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives-collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The Management Committee and the Research Committee encourages and provides support for various kinds of collaboration with industries and reputed institutions. The strategies followed for establishing the collaboration is given in 3.5.1. With these strategies, our departments have collaborated with Research Laboratories, institutes and industry for carrying out research activities.

To highlight this very few are cited below.

- All the Heads of the departments had undergone training in CTS, CII – Higher Education Summit, Wipro Leadership HR Conclave, NBA Orientation Programme etc.
- Dr.G. Athisha, Professor and Head, Department of ECE, NBA Coordinator cum Trainer for South Zone under National Board of Accreditation Council, New Delhi.
- The department of CSE has collaborated with Oracle University for training the students in various programs like Core Java, Java Advanced Edition and certification exams are given in the campus itself.
- The department of IT has collaborated with C-DAC and D-Link for training the students in Big Data and Hadoop Architecture and D-Link certifications.
- The department of EEE has collaborated with Siemens Inc. for training the students in their tools and Softwares.
- The department of BME has collaborated with ISTE and SRM University for organizing Short Term Training Program on "Soft Computing Techniques for Clinical Decision Making" during 7.7.2014 to 13.7.2014.
- The department of MCA has collaborated with CISCO and certified as an Official Trainer for CISCO–CCNA Certification.
- Faculty from Information and Communication engineering departments is trained by Wipro in Wipro Mission 10x program.

Certified Trainers of PSNA CET

Sl. No	Faculty Name	Designation	Course
1.	Dr.M.ArulPrasanna	AP/EEE	Basics of PLC
2.	Mr.R.JosephRathish	AP/EEE	Basics of PI
3.	Dr. I.Gerald Christopher Raj	AP/EEE	Basics of AC Drives
4.	Dr. P. Babu	ASP/MCA	CISCO
5.	Dr. K. Meena alias Jeyanthi	Prof./ECE	Agilent technologies
6.	Dr. S. Mythili Mr.R. Balakumaresan Mr. R. Mohanraj Mr.A.Selvapandi	Asso. Prof./ECE Asst. Prof/ECE	NI Lab View
7.	Mr.S.K.Somasundaram	Asst. Prof./CSE	Oracle Courses under Oracle University
8.	Mr.R. Karthikeyan Dr. K. Manivannan	Asso. Prof./CSE Asst. Prof./CSE	Soliton Technologies
9.	Mr.Y.Arockia Raj	Asst. Prof./CSE	ICTACT – Java Trainer
10.	Mrs. P. Kiruthika Ms. S. Naga Nandhini Mr. P. Kasthuri Rengan Mr. V. Nandakumar	Asst. Prof./CSE	ICTACT – Cloud Technologies
11.	Mr.S.Dhasaratha Pandian Mr.P.Kasthuri Rengan Mr.B.Sakthi Karthi Durai	Asst. Prof./CSE	Wipro certified trainer

Total no. of Students got trained as a result of collaboration with Siemens, West Germany in the Academic Year 2012-2013 = 167.
2013 Course Schedule

Slot No.	Dates		Batch A (Students)	Batch B (Students)
	From	To		
Slot 1	05.08.2013	09.08.2013	Basic of PLC (25)	Basic of PI (25)
Slot 2	12.08.2013	17.08.2013	Basic of PLC (23)	Basic of PI (23)
Slot 3	05.08.2013	09.08.2013	Basic of PLC (23)	Basic of PI (23)
Slot 4	05.08.2013	09.08.2013	Basic of Drives (25)	

Total no. of Students got trained as a result of collaboration with Siemens, West Germany in the Academic Year 2013-2014 = 167.
2014 Course Schedule

Slot No.	Dates		Batch A (Students)	Batch B (Students)
	From	To		
Slot 1	11.08.2014	16.08.2014	Basic of PLC (27)	Basic of PI (25)
Slot 2	18.08.2014	22.08.2014	Basic of PLC (25)	Basic of PI (26)
Slot 3	27.01.2015	31.01.2015	Basic of PLC (26)	Basic of PI (26)

Total no.of Students got trained as a result of collaboration with Siemens, West Germany in the Academic Year 2014-2015 = 155.
2015 Course Schedule

Slot No.	Dates		BME Students
	From	**To**	
Slot 1	27.01.2015	31.01.2015	Basic of PI (21)

Total no.of Students got trained in the Academic Year 2015 = 21.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution

Details about the MoU signed with Industries, other Universities etc.

Sl. No.	Department	Name of the Company / Institution	Year	Outcome of MoU
1.	**Civil**	ULTRA TECH CEMENTS	2013	Establishment of research hub on advanced construction practices
2.		Disaster management society	2011	Training
3.		Indian concrete Institute	2013	Training
4.		Here maps (Nokia)	2014	Community programme participation and training
5.		KKM SOFT	2015	Building information modeling Training
6.		Tamilnadu Pollution Control Board	2015	Air quality is tested periodically.
7.	**Mech.**	Roots Industries India Limited, Coimbatore.	2013 - 2016	Acquisition of stamping, injection moulding, die casting and CMM knowledge.
8.		Society of Automotive Engineers India Southern Section (SAEISS), Chennai	2013	Development of knowledge on world class standards in quality and productivity.
9.		Madura Steel Industries(P) Limited, Dindigul	2013	Acquisition of knowledge on moulding and heat treatment processes.
10.		Green Health Agro Oils (P) Limited, Dindigul.	2013	Acquisition of knowledge on oil refinement and machineries used.

11.	**ECE**	Key Sight (Formerly Agilent Technologies)	2013	To provide knowledge for a new generation of wireless engineers. To perform high caliber research and development To offer excellent training and education for students To provide technology transfer and consultant services for industry and government
12.		National Instruments, Bangalore.	2014	Image Processing stages.
13.		VI Micro Systems, Chennai	2012-2013	Design and Manufacture Hardware and Software trainers for R&D Sectors.
14.		Indus Electronics Coimbatore.	2012-2013	Design Electronic instruments for control, weighing, and energy monitoring for textiles mills and machinery manufactures.
15.	**EEE**	Siemens, Mumbai	2013	Development in training facilities for students, advanced learning
16.		Virtual Research and Consultancy (VRNC),Tirupur	2012	Conduct activities like training, placement
17.		Art of Business Process Management (ABPM),Tirupur	2012	Energy auditing and consultancy
18.	**CSE**	ORZOTA Inc, Chennai	2015	Student internship and Knowledge sharing in Big data Analytics
19.		Cloud Kinetics Technology Solutions, Chennai	2014	Workshops, Knowledge Sharing, Design Modules & Student Projects in Cloud Computing Technologies, Network and Cyber Security, Mobile Application
20.		Infoziant Systems Pvt. Ltd., Chennai	2015	
21.		Perpetro Technologies Pvt. Ltd., Chennai	2015	
22.		Innovative Dynamic Technologies, Coimbatore	2015	

23.		IMIK Technologies, Coimbatore	2015	Development using Android, Big data Analytics, Realtime Embedded System Projects
24.		Soliton Technologies, Bangalore	2012	Technological park, Research and Development in Mobile Computing Technologies
25.		Oracle University, New Delhi	2009	Certification in Oracle DBs and Java Certification Courses to the Students
26.	**IT**	C-DAC, Chennai (Centre for Development of Advanced Computing),	2015	Bigdata Analytics
27.		D-Link Ltd	2013	Transforming individuals into networking Professionals
28.		ITIE Knowledge Solutions, Bangalore	2012	Knowledge Transfer
29.	**BME**	Aries Biomed Technology, Coimbatore	2012	Campus Placement
30.		CPC Diagnostics, Chennai	2013	Campus placement
31.		Enixs Technology, Bangalore	2013	Collaborative research
32.	**MCA**	Shanmuga Technologies Pvt Ltd., Chennai	2013	Training the students for the placement activities
33.		CISCO Systems USA	2006	CCNA Certification to the Students
34.	**MBA**	United India Foods	2012-2013	Knowledge Sharing/ Guest Lecture/ Industrial Visits/ Project leads/ Placements/ Mentorship
35.		Bounce Academy	2012-2013	
36.		KC Milk	2012-2013	
37.		Raaj Milk	2012-2013	
38.		Julia Garments	2012-2013	
39.		Praxis Interactive Services Pvt. Ltd.	2012-2013	
40.		Vasan Health Care	2013-2014	
41.		Launch Pad	2013-2014	
42.		Unwind Lab	2013-2014	

43.		IN22LABS	2013-2014	
44.		Mean Median Mode	2013-2014	
45.		STOPAK - Ramesh,	2013-2014	
46.		Resurge Academy	2014-2015	
47.		Hydex Hydraulics	2014-2015	
48.		Elechem Technik	2014-2015	
49.		International Money Matters	2014-2015	
50.		Anna University – Regional Centre, Madurai	2012-2013	
51.		Department of Entrepreneurship, MKU, Madurai	2012-2013	
52.		EDI, Ahamedabad	2012-2015	
53.		Kalaignar Karunanidhi Institute of Technology, Coimbatore	2012-2013	
54.		KLN College of Engineering and Technology, Madurai	2013-2014	
55.		Indus International University VPO Bathu, Tehsil Haroli, HP	2013-2014	
56.		Nehru Institute of Information Technology and Management, Coimbatore	2013-2014	
57.		BMS College Of Engineering, Karnataka	2014-2015	
58.		Sri SaiRam Inst. of Mgmt. Studies, Chennai	2014-2015	
59.		RMD College of Engineering, Chennai	2014-2015	

Details about the Collaboration with Industry/Foreign University/Other University

Sl. No	Collaborating Agency	Benefit(s) to the Department	Academic / Financial
CIVIL			
1.	Apex Consultancy	Research	Academic
2.	University Technology of Malaysia	Academic Interaction	Academic
Mech.			
3.	M/s Ador Welding India Pvt. Ltd, Mumbai	Research	Academic
4.	ISHRAE	Academic Interaction	Academic
ECE			
5.	Elmack Engg Servies, Chennai	Advanced Design Software, Spectrum analyzer, MSO, DSO, Arbitrary waveform generator,Optical communication kits,Network Analyzer E5061B-Agilent	Academic
6.	M/s.Pantech Prolab India Pvt. Ltd., Chennai	Embedded Lab Kits	Academic
CSE			
7.	Oracle University, New Delhi	Value added Courses and Certification on DBs and Java Courses to the Students	Academic
IT			
8.	Inautix, CORDYS, INFOSYS, BSNL	Interships to students	Academic
9.	Anna University	FDP: benefits to the faculties	Academic
10.	ORACLE	CCNA , Guest Lectures	Academic
11.	IBM, CTS, TCS,	Guest Lectures	Academic
12.	Cloud reign Technologies	Training programme for students and faculty	Academic
BME			
13.	Addis Ababa University, Ethiopia	Academic	Academic

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation / up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

The Faculty Members from various departments have underatkan training from various industries and corporates to upgrade their skills and knowledge in the latest technologies and its tools. Totally 80 faculty members have been trained so far.

The details about the total number of faculty trained per department are given in the following table.

Sl. No.	Name of the Department	No. of Faculty trained
1.	Civil	80
2.	Mech	36
3.	ECE	4
4.	EEE	5
5.	CSE	32
6.	IT	8
7.	BME	2
8.	MCA	2

The students have undergone internship at various companies. The details are given in the following table.

Details about internships

Sl. No.	Total Number of Students	Name of the industry /organization	Year
1.	51	Inautix	2012-16
2.	1	Zoho	2014-15
3.	13	Vernalis	2014-16
4.	2	Unilogic	2015-16
5.	8	Wipro	
6.	1	Orzota Inc, Pvt ltd,	
7.	20	HCL	2012-15
8.	1	Flextronics, Chennai.	2013-14
9.	3	ZOHO	2012-14

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Nearly 200 distinguished experts from academia and industries have visited our campus in the last four academic years and made contributions by sharing their knowledge, views and tools in all departments. Some of the distinguished academicians / scienctists who visited in the last four years are given below.

List of eminent academicians and scientists visited to the Department

Sl. No.	Name of the Resource Person	Designation	Organization	Date of Visit
Civil				
1.	Mr.Chaitanya Kulkarni& Mr.Akash Shah	HR	ARK Technosolution, &Helios IIT Bombay	05.03.15 & 06.03.15

2.	Dr.N.S.Pandian,	Former Prof & Chairman	Dept of civil Engg.IISc, Banglore.	27.02.15
3.	Dr.R.Selvaraj,	Scientist & Head,	CECRI,Karikudi Tamilnadu	29.09.14
4.	Dr.A.Cinitha	Scientist,	CSIR-SERC, Chennai.	29.09.14
Mech.				
5.	Dr. Muhammad Zahir Hassan	Professor/Mechanical	Universiti teknikal malaysia Melaka (UTeM) Faculty of engineering technology, Malaysia	06.04.15
6.	Dr. Nikhil Ranjan Dhar	Professor/Industrial and Production Engineering	Bangladesh University of Engineering and Technology (BUET) Dhaka, Bangladesh.	06.04.15
7.	Mr.W.S. Aruldoss Kanthia	Scientist & Former Director	Heavy Water Board, Department of Atomics Energy, Govt. of India, Mumbai	18.09.12
8.	Dr N.Ashok Kumar	Research Scholar	Otto Von Guicke University, Magdegurg, Germany	01.02.11
ECE				
9.	Dr. Sudesh Sivarasu, M. Tech, Ph. D	Project Leader - Bio-mechanics	Department of Human Biology University of Cape Town Medical School, Anzio Road Observatory Cape Town, South Africa	
10.	Dr. Srinivasan Jayaraman	Scientist - R&D, Embedded System	Tata Consultancy Services	
EEE				
11.	Mr. Shailesh Shinde	Manager-Training	SIEMENS India Pvt. Ltd. Mumbai.	10th & 11th March, 2015
12.	Dr. Joachim Holtz	Former Professor and Head	Electrical Machines and Drives Laboratory, University of Wuppertal, Germany	12th Jan., 2015

CSE				
13.	Dr. Dinesh Kumar Paliwal	Member Secretary	National Board of Accreditation, AICTE, New Delhi	22.02.12 24.02.12
14.	Dr.Xavier	GlobalRecruiting Manager	HCL Technologies, Chennai	22.02.12-24.02.12
15.	Dr.Lakshmi Narashiman	Professor	East Carolina University, Greenvile, USA.	22.02.12-24.02.12
16.	Mr.Vinay	Application Developer	Google, Bangaluru.	11.04.13-12.04.13
17.	Dr. Balaji Srinivasan	Asso.Prof	IIT Madras	10.04.13
IT				
18.	Dr. Subramaniam Ganesan,	Professor	Oakland University, Rochester, USA	22.2.12
19.	Dr. Saragur M. Srinidhi	President	Advanced Computing & Communication Society, IISc, Banglore.	09.01.15
20.	Dr.D.Janakiram	Professor	IITM, Chennai	18-5-16
21.	Dr.RBV.Subramanyam	Professor	NIT, Warangal	20-5-16
22.	Dr.C.T.Vinu	Professor	IIM, Trichy	25-5-16
23.	Dr.Karthikeyan vaiyapur	R&D	TCS Innovation Lab, Chennai	21-5-16
24.	Mr. M.Selvakumar	Project Leader – SCM.	IBM Pvt., Ltd., Bangalore.	14-03-15
BME				
25.	Dr. Frehiwot	Head	Center for Biomedical Engineering, Addis Ababa University, Ethiopia	02.06.16
26.	Dr. Esayas	Deputy Scientific Director	Jimma University, Ethiopia	02.06.16
27.	Dr. Gethachew	Head	Tegbareit Institute, Ethiopia	02.06.16
28.	Ms. Kidest	Country Director	Twinning Center, Ethiopia	02.06.16
29.	Mr.Sanjeev Kubakaddi	Director	ITIE Knowledge Solutions	20.03.13

30.	Dr.V.N.Mani	Scientist	Centre for materials for Electronics technology (C-MET)	22.03.13
MCA				
31.	Mr. Arun Sethuramalingam	Manager/ Systems	NISSAN North America Inc. 300 Nissan Drive, Canton, MS 39046	05.08.15
32.	Dr.N.Subba Reddy	Professor	Division of Material science & Engg, Gyeongsang National Univeristy,South Korea	27.08.14 to 28.08.14
33.	Mr.R. Sivaraj	Quality Assurance Engineer	Amazon Development Center, Bangaluru	27.02.14
MBA				
34.	Ms.Ian Cawley	Global Business Manager, English Language Assessment.	Global Manager (HE & Work place), Cambridge University, United Kingdom	13.05.15
35.	Prof. David Rajesh	Assisitant Professor	NIZWA University Ministry of Education, Sultanate of Oman	6.08.15
36.	K.Harinath Babu	Director	Director Operations Buddhi Asia	05.10.15
Chemistry				
37.	Dr.VijayaMohanan K.Pillai	Director	CECRI	23th&24th Feb 2012
38.	Prof.Dr.A.B. Mandal	Director	CLRI	24th &25th July 2014

National / International Conferences Organized by the Department

S. No	National/ International	Name of the Conf.	Date and Year	Funding Agency/Self
Civil				
1.	One Day National Conference	Corrosion and health Monitoring of Concrete Structures	10 April 2014	Self
2.	International Conference	Disaster Management& Mitigati 2015	27 August 2015 to 28 August 2015	Self
Mech				
3.	International	ICFTET 2015	6/4/2015 & 7/4/2015	Self Linked to IJAER

ECE				
4.	International conference	ICCCA – 2012 (International conference on Computing, Communication and Applications)	22nd to 24th 2012	Technically Sponsored by CSI and IEEE
EEE				
5.	International	ICPEC' 13 IEEE International Conference on Power, Energy and Control	06-08 Feb. 2013	Self
CSE				
6.	National	Next Generation Technologies on Computing and Communication (NGTCC'14)	05.04.2014	Self
7.	National	Advances in Computer Engineering and Networking (ACENET,13)	10.04.2013	Self
8.	International	International Conference on Computing, Communications and Applications (ICCCA'12)	22.02.2012 To 24.02.2012	Technically Sponsored by CSI and IEEE
IT				
9.	International	IEEE International Conference on Computing, Communication and Applications (ICCCA-12)	22.2.2012 to 24.2.2012	Technically Sponsored by CSI and IEEE
10.	National	National Conference on Networking and information communication	22.3.2013	SELF
BME				
11.	National	Fourth National Conference on System Design and InformationProcessing Processing	22, March 2013	IETE, IEEE, CSI, National Instruments, Classle
12.	National	Fifth National Conference on System Design and InformationProcessing Processing	20-21/march 2014	CPC Diagnostics chennai, Enixs Technology, Bangalore, ISTE, IEEE /madras section.
MCA				
13.	National Conference	National Conference on Recent Trends in computer science and application	26/04/2013	Self
14.	International Conference	International Conference on Computing, Communication and Applications	22/02/2012 to 24/02/2012	Technically Sponsored by CSI and IEEE
MBA				
15.	National Conference	Business Excellence Advancements and Trends (BEAT)	03.04.13	Self
16.	National Conference	(BEAT)	08.10.14	Self
17.	National Conference	(BEAT)	29.03.16	DST-SERB
Mathematics				
18.	National	National Conference on Modern Aspects of Theoretical and Applied Mathematics	9, 10 April – 2015	Self

3.7.5   How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated –

Totally 70 linkages/collaborations have resulted in formal MOUs and agreements.

a) Curriculum development/enrichment – NA
b) Internship/ On-the-job training

Final Year students who get on-campus placement are selected for internship by the respective company in which the student got selected. The companies who offer internship to students are Inautix, Zoho, Vernalis, and Unilogic. For the last four academic years the following number of students had attended Internship.

Sl.No.	Name of the company	No. of Students attended Internship
1.	Inautix, Chennai	51
2.	HCL	20
3.	Wipro	8
4.	Unilogic	2
5.	Vernalis	13
6.	Chargebee	1
7.	Zoho	4
8.	Cordys	1
9.	Flextronics	1
10.	Orzota Inc, Pvt ltd	1

c) Summer placement

During summer vacation, students do undertake in-plant training in corporates. Pre final year students are given placement training exclusively through Official Corporate Trainers of the companies like CTS, TCS, and Wipro etc. Through this initiative the students are equipped with value added traits through which the percentage of placements inclreses year by year.

d) Faculty exchange and Professional development

Based on the expertise, the Professors and faculty members are invited by the other universities, institutions and organizations to offer their service in the form of Guest Lecture or Invited talk or acting as Session Chair or Expert Member etc. Besides this the faculty members are Life Members and Annual Members for various professional bodies like IE, ISTE, IEEE, CSI, DMA. AIMA, AIMS, MMA etc.

The faculty members are invited by the Universites, other Engineering colleges to carry out various responsibilities as Board of Studies Member,

Question Paper Selection Committee, Doctoral Committee Member, Guest lecture, session chair, acadmic counsil member etc. Around 76 faculty members have interacted with the external world.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations. Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

The systemic efforts are taken by the respective department heads of the institution to estabilish collaborations and enhance linkages with the other universities, industries and organizations. The guidelines for estabilishing the linkage/ collaboration are briefed in section 3.7.1. Through such collaboration the PSNACET becomes an official partner for external agencies to establish the services inside the Campus. Some of them are IIT Bombay - Spoken Tutorial project, CISCO, Oracle University, C-DAC Chennai, D-Link Certifications etc.

CRITERION IV

INFRASTRUCTURE
AND LEARNING RESOURCES

4.1   Physical Facilities

4.1.1   What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The policy for the creation and enhancement of infrastructure in the institute follows the norms and standards fixed by the AICTE and Anna University. To execute this policy, the following procedure is implemented in the institute.

The head along with the faculties of each department prepares budget proposal depending on their needs under various heads such as the new/additional facilities required for the department to cope with the increase in intake, laboratory equipments, software purchase, laboratory consumables, maintenance and spares, travel and miscellaneous expenses for academic activities. After scrutiny by the Principal, this budget will be submitted to the management committee. The management committee meeting is conducted at the end of each and every semester to discuss the activities to be done including creation and enhancement of infrastructure that facilitate effective teaching learning and the budget for the forth coming semester. Based on the need and the merit of the proposal, the management committee sanctions the budget. The management committee also discusses the reason behind the non-use of the funds which are sanctioned for the current semester.

4.1.2   Detail the facilities available for
a)   Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, animal house, specialized facilities and equipment for teaching, learning and research etc.

The institute has exclusive blocks and/or buildings for each and every department. All the class rooms/tutorial rooms have comfortable seating with adequate ventilation, lighting, OHP projector, LCD projector with screen and black board. Apart from class rooms, all the departments have their own seminar halls with LCD projector. Adequate numbers of drawing halls are present in the first year block. All the departments have enough laboratories and surplus equipments and accessories as per the norms and standards fixed by AICTE and Anna University. All the departments of PSNA CET are recognized as research centre under Anna University for doing collaborative research leading to PhD degree. To cater this facility all the departments have their own research labs with the state-of-the-art for pursuing research. In all the departments, augmented laboratory for advanced learning is present. Each department has its own exclusive computer lab. The working hour of all the laboratories is from 8.30 am to 5.30 pm (excluding Sundays and government holidays). This enables the students to use the lab extensively for learning new technologies beyond the syllabus. This feature also enhances the content beyond the syllabus learning. The campus is fully Wi-Fi enabled. The institute has a central fully air conditioned ultra modern Sri Rengalatchumi auditorium, Civil-Mechanical auditorium, HRDC seminar hall for the benefit of the students to perform various curricular and co-curricular activities.

The institute constantly supports co-curricular activities. All the departments conduct association activity in order to inculcate team working ability, leadership quality, communication skill, management skill, personality development of the students. For conducting these co-curricular activities both the individual departments seminar hall and the central auditorium are used.

The details of instructional area, amenities area, circulation area and administrative area as per the AICTE norms are provided in the following tables.

Table 4.1: Details of Instructional Area

S. No	Facility	Number	Area in Sq.M
1.	Classroom –Under Graduate	94	8092.72
2.	Classroom –Post Graduate	31	1986.36
3.	Tutorial Room	27	1201.08
4.	Seminar Hall	9	2573.8
5.	Laboratory	53	8658.44
6.	Research Laboratory	13	799.49
7.	Workshop	4	1843.92
8.	Drawing Hall	4	706.6

Table 4.2: Details of Administrative Block

Room Id/Name	Room Type	Area of room in Sq m	Building Name
AD0FF1	Office All Inclusive	320.93	Main Block
ADBR01	Board Room	80.39	Main Block
ADCS01	Central Store	128	Trust office Block
ADDOF1	Department Office	226	EC,SH,CS,ME,BM,CE,IT, SH Block
ADEC01	Exam Control Office	176.65	SH Block
ADFR	Faculty Room	2400	EC,SH,CS,ME,BM,CE,IT Block
ADHK01	Housekeeping	59.44	Trust office Block
ADHOD	Cabin for Head of Dept	424	EC,SH,CS,ME,BM,CE,IT Block
ADM 01	Maintenance	108.49	Trust office Block
ADP001	Placement Office	174.13	Main Block
ADPA01	Pantry for Staff	83.72	Trust office Block
ADPR01	Principal Directors Office	204.19	Main Block
RECP01	Reception Area	100	Main Block
SEC01	Security	59.44	Trust Office Block

Table 4.3: Details of Amenities Area

Room Id/Name	Room Type	Area of room in sq m	Building Name
AMAUD	Auditorium	452.18	SRI RANGALATCHUMI AUDITORIUM
AMBCR	Boys Common Room	313	CE,ME,EE,CS,IT,BM, SH Block
AMCAFE	Cafeteria	237.73	CAFETERIA BLOCK
AMFA	First aid cum Sick Room	45	TRUST OFFICE
AMGCR	Girls Common Room	313	CE,ME,EE,CS,IT,BM, SH Block
AMPQ	Principal's Quarter	160	GUEST HOUSE
AMSG	Guest House	133.19	GUEST HOUSE
AMSG1	Sports Club	1522.5	SPORTS CLUB
AMSR	Stationery Store	28.63	BM Block
AMTO1	Toilet	1590	CE,ME,EE,CS,IT,EC,SH Block
BH01	Boys' Hostel	42506.22	Dukes, Lords, Earls, Old Gents Hostel, NRI Hostel
GH02	Girls' Hostel	24340.29	Old and New Ladies Hostel

Table 4.4: Details of Circulation Area

Area Type	Average Carpet Area in Sq.m	Building Name
Corridors	4,488.63	SH,BM,CE,ME,EC,CS,IT, Block
Other Areas (in Sq m)	4,300	SH,BM,CE,ME,EC,CS,IT, Block
Other Common Area (in Sq m)	4,837	SH,BM,CE,ME,EC,CS,IT, Block

Sample photos of various academic blocks

b) **Extra–curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, public speaking, communication skills development, yoga, health and hygiene etc.**

Club Activities

The institute fosters the following clubs to bring out and nourish the hidden talents of the students: NSS, Blood Donors Club, Fine arts club, YRC, RRC, Rotaract club, Science forum, English Literary club, Tamil Mandram, ISTE, IE, CSI, IEEE, E.SAE, and SAE.

All these forums are active throughout the year with the faculty members from various departments as incharges. These forums conduct various activities in order to improve the student's skill and to enable the students to excel in their field of interest apart from the academic activity. Resources such as space, furniture are available and the budget necessary for running these forums are drawn through proper channel as and when required. This shows that the institute does not compromise anything against extra-curricular activities and co-curricular activities.

Auditorium

There are air-conditioned Sri Rangalatchumi Auditorium, Civil-Mechanical Auditorium with the seating capacity of 550 and 350 respectively. These apart, there is an air-conditioned HRDC seminar hall with a seating capacity of 92, for conducting International and National academic programmes such as Seminars, Symposia, Workshops and Placement activities. In addition to this, all the departments have their own full fledged seminar halls for the purpose of department level events.

Sports, Outdoor and Indoor Games

Sports and games have played an important role in the evolution of PSNA CET and now when PSNACET has completed thirty-three years of its academic life, sports in PSNA CET can definitely claim a fair share in the progress of the institution. The college has excellent infrastructure for sports and provides professional coaching in sports to students. Over the years

PSNACET has invested in sports considerably, so that today we can be proud of not only having excellent sports facilities, but also having produced sports men of the highest caliber.

Regarding sports and games, PSNA CET is equipped with the following facilities for facilitating the students to take up and practice sports activities.

Table 4.5 Details of Play Fields

S.No	Sports Grounds and Facilities	
1.	Ball Badminton	4 Courts 2 Courts under Flood Lights
2.	Cricket	2 Grounds
3.	Basket ball	1 Court under Flood Lights
4.	Football	4 Grounds
5.	Hockey	2 Field
6.	Tennis	2 courts with flood Lights
7.	Kabaddi	4 Grounds 2 under Flood Lights
8.	Volleyball	4 Grounds 2 under Flood Lights
9.	Badminton	1 Court under Flood Lights
Track and Field		
1.	Track Events	1 Standard 400 mts track
2.	Field Events	Jumps- Longjump pit, Triplejump pit, Highjump & Polevault.
Indoor Facilities		
1.	Badminton	4 Courts
2.	Table Tennis	12 Boards
3.	Chess	Available
4.	Carrom Board	8 Boards
Gym Facilities		
1.	Ladies Hostel	Gym hall with 20 Stations
2.	New Gents Hostel	Gym hall with 30 Stations and facilities for Weightlifting ,Power lifting
3.	College Main Campus (cafeteria block)	Gym hall with 30 Stations and facilities for Weight lifting ,Power lifting

Inner View of Indoor Stadium

Aerial View of Play Ground

Gym

Inner View of PD room

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

PSNACET is a premier institution in Tamilnadu with international standards. It was established in 1984 at the outskirts of Dindigul Township as a response to the clarion call made by the public for a quality engineering institution in this part of South Tamil Nadu. The institute is located in 150 acres of land. This greeny campus consists of exclusive blocks for all the departments. The paths, passages and roads are laid with paver blocks and tar in order to facilitate smooth moving from one place to other within the campus. The institute has a well defined policy to enhance and upgrade the infrastructure facility as discussed in 4.1.1.

Institution Plan

Fulfilling all the norms, standards and regulations prescribed by the AICTE and Anna University is the standing policy of the college. The trust and management of this institute is very keen in providing quality education to the students. Therefore in addition to the basic infrastructure needs, the college provides many additional features to the students to cater their needs.

The management is magnanimous in providing funds for all these establishments. The sanctioned amount will be utilized based on the budget estimate provided. Additional expenditures, if any, will be recommended by the Principal for approval and the same will be sanctioned by the management committee. The allocated funds are utilized under various heads based on the requisition made by the respective in-charge.

- Acquisition of land; new buildings and infrastructural built-up and
- maintenance
- Library
- Laboratory Equipment
- Laboratory consumables
- Teaching and Non-Teaching staff salary, Faculty/Staff development
- Power charges
- Advertisement
- Students' book expenses
- Printing and stationery
- Postage and telephone expenses
- Sports, college day expenses
- Other Expenses
- Vehicle repairs and maintenance
- Newspapers and periodicals
- Website and internet expenses
- Seminar meeting expenses
- Interview and placement expenses
- University/AICTE/DOTE fees and expenses
- Anniversaries and functions
- Campus cleaning and maintenance

Instances to ensure the available infrastructure in line with academic growth

The table given below depicts the student's strength as per the sanctioned intake and the build-up area for various academic years. From 2012-13 to 2015-16 gradually the build-up area increases with that of the students strength. Therefore it is clear that the available infrastructure is in line with the academic growth.

One can ensure the quality of the infrastructure of the institution based on the performance of students in university examinations, placement, and higher studies and based on the feedback from the alumni and the public. To mention some laurels, PSNACET was Tamil Nadu state topper by securing 157 and 159 university ranks in Anna University Exams 2013 and in 2014 respectively. In 2016, 1065 students' secured placement in various MNCs. PSNACET is proud of its excellent name and fame in the society due to its strength in all aspects. Based on the above instances, it can be ascertained that available infrastructure is in line with its academic growth and is optimally utilized**.**

Table 4.6 Details of Built Up Area

SI. No	Academic year	Sanctioned Student Intake	Total Built Up Area in sq.m
1	2012-13	3783	95,987
2	2013-14	4203	98,547
3	2014-15	4803	1,00,803
4	2015-16	5403	1,11,073

Infrastructure facilities developed/augmented in last 4 years

The table given below shows the details of the facilities developed in last four academic years. From the figures one can easily judge the development activities and the growth rate of PSNA CET. Every year the institute strives to build its name and fame to reach the goal of becoming an institute of national importance.

Table 4.7 Details of Infrastructure facilities developed/augmented in last 4 years

SI. No	Academic year	Facility created	Amount spent in Rs	Build up Area in sq.m
1	2012-13	New First year block	5,30,69,406.00	6592.4
2	2013-14	New Workshop	2,07,39,417.00	2560.0
3	2014-15	Structural lab building	1,76,57,666.00	1724.8
		Boiler lab building	24,86950.00	165.6
		FM Lab Building	45,34,624.00	366.4
4	2015-16	New ECE Block	7,79,08,000.00	10270.0

Table 4.8 Details of infrastructure facility proposed

Sl No	Academic year	Name of the building	Estimated Amount in Rs
1	2016-17	EEE Extension Block	8,00,00,000.00

The infrastructure development activity in terms of buildings has to be meticulously planned and implemented. The necessity for this infrastructure facility is identified and planned based on the decision of the acadmic council, management committee and from the feedback from the stake holders. There is a separate department in college called building construction department to look after all the matters regarding the construction and maintenance of the buildings.

Master Plan of the Institution

The Master Plan of the institution shows the individual blocks of all the departments that comprises the instructional, administrative, amenities and circulation area. The entire academic and administrative blocks, amenities area are presented in the main master plan except the ladies hostel, gent's hostel, and indoor stadium. The master plan of ladies hostel, gent's hostel, and indoor stadium are given separately in the figure below.

Master Plan of PSNA College of Engineering and Technology (excluding New Gents Hostel and Ladies Hostel)
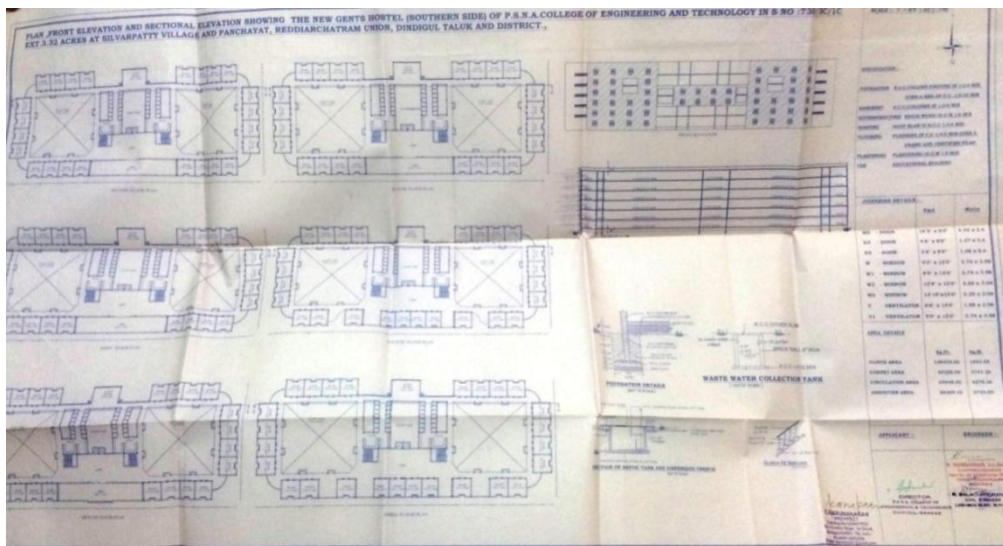
Master plan of New Gents Hostel I and II
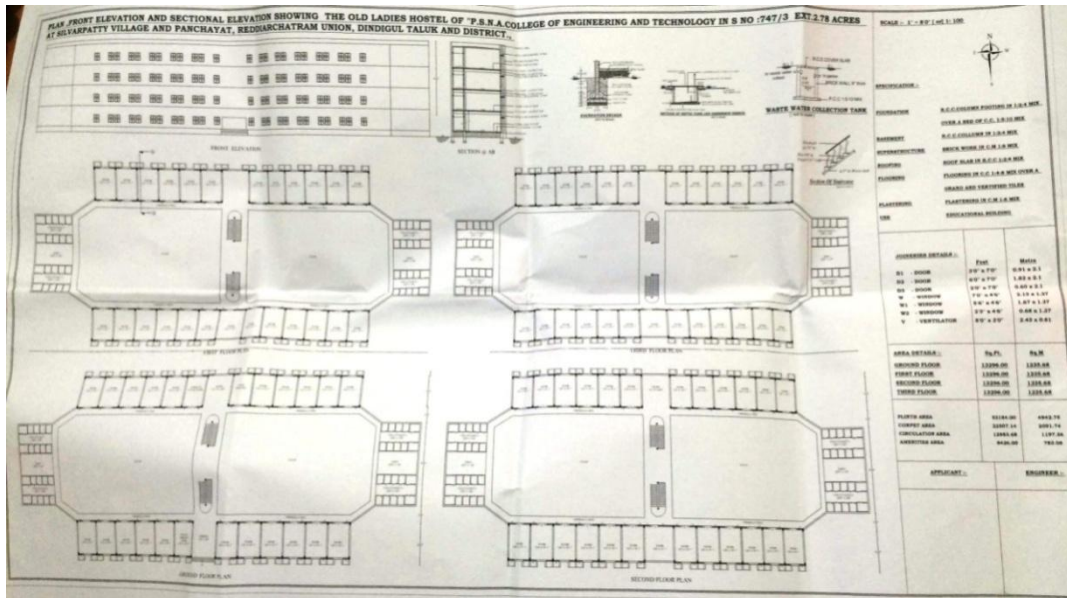
Master Plan of Old, New Ladies Hostel

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

For the students with physical disabilities, ramp with moderate elevation is provided in the ground floor of every block. The physically challenged students can use this facility to access the department easily. These students are also supported by the supporting staff to ease their living in the college. A policy is made in PSNA CET to accommodate the physically challenged students in the ground floors. The college campus is furnished with tar roads and paver bocks for passages. This enables the use of trolleys/wheel chairs inside the campus for physically challenged student/staff.

Ramp facilities in the college premises

4.1.5 Give details on the residential facility and various provisions available within them

Hostel Facility-Accommodation available

The table given below presents the accommodation facility available

Table 4.9 Hostels for boys

Sl No	Hostel Block	No of Floors	No of rooms	Number of occupants
1	Dukes block	G+2 Floor	56	199
2	Lords Block	G+2 Floor	57	194
3	PG block	G+2 Floor	40	35
4	Earls (NRI) Block	G+3 Floor	78	72
5	New Gents hostel Block-I	G+5 Floor	148	592
6	New Gents Hostel Block-II	G+5 Floor	148	592
Total				**1684**

Table 4.10 Hostels for Girls

Sl No	Hostel Block	No of Floors	No of rooms	No of occupants
1	Old Block	G+3 Floor	130	428
2	New Block	G+5 Floor	212	830
Total				**1258**

Hostels Blocks

Recreational facilities, gymnasium, yoga center, etc

A separate gym is made available for boys and girls in the boys hostel and girls hostel.The residents play indoor games such as tennis, shuttle-cock, ball badminton etc in the in-door stadium. All the college play grounds/play fields and all the hostel blocks are located in the college campus. Therefore the hostel students can use all the sports and games facility that are available in college as stated in 4.12 (b).

Computer facility including access to internet in hostel

In the hostels computer centre with LAN facility, Internet facility is present. All the boys and girls hostel blocks are covered with WiFi to enable the students to be connected. The internet is properly shielded with firewall in order to block the use of un-wanted and un- authorised content by the students.

Facilities for medical emergencies

First aid boxes are made available in all the hostel blocks for simple ailments. For sickness of more serious nature, the residents are immediately taken to hospital through the ambulance. In addition to this, two practising doctors visit the hostel daily during 5.00 pm to 7.00 pm for treating both the students and staff.

Library facility in the hostels

The working hour of central library is from 8.30 am to 8.00 pm in all the working days and 8.30 am to 4.30 pm during the holidays. Therefore the hostel students can use all the facilities of library.

Internet and Wi-Fi facility

All the hostel blocks are covered with WiFi to enable the students to be connected always. PSNA College of Engineering and Technology entered in to an e-revolution by making its entire campus Wi-Fi (Wireless Fidelity). The Wi-Fi (Wireless Fidelity) system has been functioning with 256 Mbps leased line connectivity provided by TATA (20 Mbps) and AIRTEL (236 Mbps). The hotspots have been created with an investment of Rs 1.5 Crore.

Recreational facility-common room with audio-visual equipments

A common hall with a television set and DTH set top box is accessible to the students in hostel. Movies are projected in the screen.

Available residential facility for the staff and occupancy

Residential facility is available for the faculty and staff. The residential facility is provided to the faculty and staff on request basis. The rent is exempted if the residents perform any administrative work. For all types of hostel and mess workers both boarding and lodging is provided at free of cost.

Well equipped, air-conditioned guest house with modern amenities is available in the campus for the comfort of visitors, company executives, parents and faculty members; lift-service is housed inside the guesthouse. 6 VIP suites, a Conference hall, a Meditation hall and a Pantry are also available for guests, visitors and parents.

Constant supply of safe drinking water

The institution has five water tanks with a total capacity of 2.5 lakh litres to cater to the drinking water needs. There is a common Reverse Osmosis plant for water purification with a capacity of 5000 liters per hour. For regular supply, the institution has provided adequate number of water tapping points at various places in the campus.

Security

The institution has a well organized security set up with a total of 63 securities headed by a chief security officer, security officer and two additional security officers. The securities are working under three shifts, 6.00-2.00-10.00, each shift for a period of 8 hours. In addition to this two additional security officers are present exclusively for hostel.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Two clinical rooms of size each 14.87 sq. m. (one for the boys and another for girls) are there for the medical practitioners. Two doctors visit the campus for the benefit of students and staff members. Ambulance facility and first aid kit is available. The college has tie up with leading hospitals like City Hospital, Vijaya Hospital, JCB Hospital, for providing emergency medicals services to the students and staff of our college. During emergency, the students are taken in ambulance to the hospital for treatment. All the faculties and staff are under the benefit of Accident insurance coverage scheme.

4.1.7 Give details of the Common Facilities available on the campus-spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Board Room

A special meeting hall of build-up area 80.39 Sq. m, called board room with air conditioned modern infrastructure is present in the college. This common facility is used for conducting all types of discussions and meetings for special units like IQAC, Grievance Redressal unit, women's cell etc.

Human Resource Development Cell (HRD Cell)

Human resource development cell is the catalyst to speed up the process of improving the industry-institution relationship which will provide re-orientation in the approach to innovation, research and entrepreneurship. As a meaningful contribution towards this goal, the management has magnanimously dedicated a 3000 Sq.ft. of built up area in the main building with all modern facilities and a HRD cell in it has been established.

The HRD cell has five organs namely
- Placement Cell
- Entrepreneur Development Cell
- Continuing Education Cell
- Industrial Training Cell and
- Industry Institution Interaction and Consultancy Cell.

Infrastructure
- Full fledged air conditioned cabin for EDC coordinator   - 256 Sq.ft.
- Full fledged cabin for EDC coordinator   - 80 Sq.ft.
- Room I   - 256 Sq.ft.
- Room II   - 160 Sq.ft.
- Room III   - 80 Sq.ft.
- Room IV   - 80 Sq.ft.
- Room V   - 80 Sq.ft.
- Interview Room   - 144 Sq.ft.
- EDC Office   - 256 Sq.ft.
- EDC Auditorium   -1080Sq.ft.

Health Care

Two clinical rooms of size each 14.87 sq. m. (one for the boys and another for girls) are there for the medical practitioners. Essential medicines are purchased on the advice of the medical practitioners and kept in the clinical rooms.

The institute has tie up with leading hospitals like City Hospital, Vijaya Hospital, JCB Hospital, for providing emergency medicals services to the students and staff of our college. Two ambulances are available in the institute to take care of the emergency situations of the students and staff of the institution. All kind of medical facilities are available at Dindigul Town, nearly 10 kms from the institution. In case of emergency, we can reach the medical centers at Dindigul within 20 minutes.

Number of ambulances within the institution   :   **2**
Facility in ambulances   :   **stretcher and oxygen cylinder**
Response-time in calling ambulance   :   **05 Minutes**

Canteen

The college cafeteria with a built up area of 631 Sq. m has three spacious sections separately for men students, women students, faculty and visitors. These three sections together can accomodate 400 members at a time. Canteen (cafeteria) is located within the campus with hygienic food, purified drinking water, comfortable ventilation, toilet facility, photo copying facility, printing facility. The infrastructure details of the canteen are provided in the following table.

Table 4.11 Infrastructure details of Canteen

No. of canteen	Location	Area	Siting space	Daily usage
3	Inside the college	631 sq.m	To accommodate 400 members	1000 members per day

In addition to this cafeteria, three tea/coffee shops are located, one behind the EEE block, one near the first year block and one in front of the CSE block to facilitate the students and staff for having snacks, hot and cool drinks

Drinking water

The institution has five water tanks with a total capacity of 2.5 lakh litres to cater the drinking water needs. There is a common RO plant for water purification with a capacity of 5000 litres per day. For regular supply, the institution has provided adequate number of water doctors (water supplier) with normal, cold and hot water supply and water tapping points at various places in the campus.

Book Store

Book store of size 28.63 sq. m is present in the college campus. The students can buy stationery items, use photo copying facilities (Xerox) in the book store.

A Glimpse of Common Facilities Available in the Campus

- Systematic security network under camera surveillances
- 24 hours power supply with multiple mega power generators
- Well connected communication systems with intercom facilities
- Back up systems with separate rooms for housing the UPS systems
- Continuous drinking water supply throughout the campus using RO Plants
- Clean sanitation with separate staff of housekeeping department
- Fire extinguishers at selected locations in the entire campus
- Air conditioned auditoriums, Seminar halls ,Board room, Indoor stadium
- Internet facility with 256 Mbps (1:1) connectivity
- Wi-fi enabled campus
- Axis Bank extension counter and ATMs
- Individual cabins for faculty members
- Miscellaneous features like canteen, guest house, book store, full fledged transport facilities
- Xerox facilities, coffee shop, play ground, transport, ambulance service
- Lush green campus with a variety of trees especially Neem.
- Effective mechanism for rain water harvesting, dustbins at distinct spots to collect the waste, proper maintenance of the trees, flower plants is available.
- Drip irrigation sprinkler irrigation system to minimize the water consumption.

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, library does have the library advisory committee, headed by a senior professor along with appropriate representation from various departments. The major responsibility is to purchase latest books recommended by students, staff and university prescribed text and reference books along with e-journals/print version based on the AICTE norms.

Table 4.12 Library advisory committee

Sl.no	Name of the Faculty
1.	Dr.K.Vijaya, HOD/Chemistry – Convener
2.	Dr. G. Sivakumar, Librarian – Member
3.	Dr.G.V.T Gopala Krishna Prof/Civil – Member
4.	Dr. V. Paramasivam Prof/Mech-Member
5.	Dr. S.Muthukumaran,Prof/ EEE- Member
6.	Dr. K.Batri, Associate Prof/ECE-Member
7.	Dr. K.Dhanalakshmi,Prof/CSE-Member
8.	Dr. P. Ganeshkumar, Prof/IT-Member
9.	Mr. S. Sriram. Assistant Prof/BME –Member
10.	Mr. M.S.Muthuraman, Associate Prof/Maths-Member
11.	Dr. K.Subramani, Associate Prof/Physics-Member
12.	Dr. T. Rajendran, Prof/Chemistry-Member
13.	Mr.A.Joseph Lourdu Rajah, Assist. Prof/Eng.-Member
14.	Dr.B.Arun, Associate Prof/MBA-Member
15.	Dr. M.Rajinikannan, Associate Prof/MCA-Member

The library advisory committee initiated and implemented the following,
- Replaced old computers by new one.
- Air-conditioned stack room, reference, reading and audio-visual halls.
- Procured E-Journals packages such as IEEE, Elsevier, ASME, ASCE and J-Gate management studies.
- Purchased books for preparing competitive exams such as GATE, CAT, GRE, TOFEL etc.,
- Conducted book exhibition every year.
- OPAC service is installed for book access.
- Fully automated in-house software is implemented for the benefit of the users.
- All the latest journals and magazines for all disciplines are subscribed periodically.
- Purified drinking water and very good sanitary facility have been provided to the library users.

- Latest arrival of books, journals, periodicals, reservation and renewal of books are notified to the library users through E-mail.
- The systems provided in the library have access to 256 Mbps leased line bandwidth Internet facility, in order to enable the library users to use the E Resources in an optimal level.
- The library user gets the benefit of un-interpreted power supply while accessing the computers.

4.2.2 Provide details of the following

- **Total area of the library (in Sq. Mts):** 2502 Sq. Mts.
- **Total seating capacity:** 400
- **Working hours (on working days, on holidays, before examination days, during examination days, during vacation) :** 8.30 am to 08.00 pm (on working days) 9.00 am to 4.30 pm (on holidays), 8.30 am to 08.00 pm (before examination & during examination), 08.30 am to 8.00 pm (During vacation)
- **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**
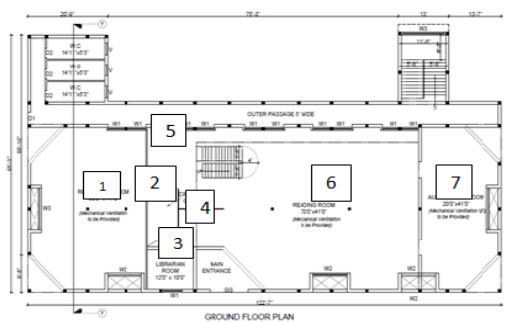
Ground Floor

1. Reference Section
2. Circulation Counter
3. Librarian Room
4. OPAC
5. Reprography & Scanning
6. Reading Hall
7. Audio Visual Section
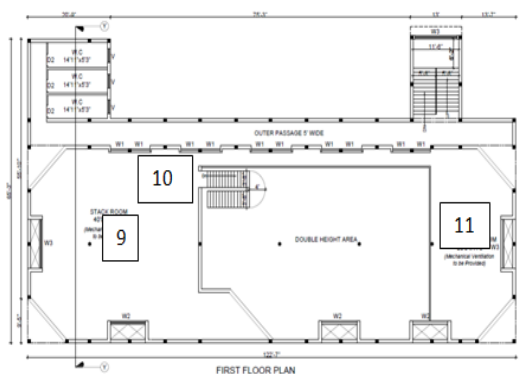
First Floor

9. Stack Section – I
10. OPAC
11. Book Bank Section
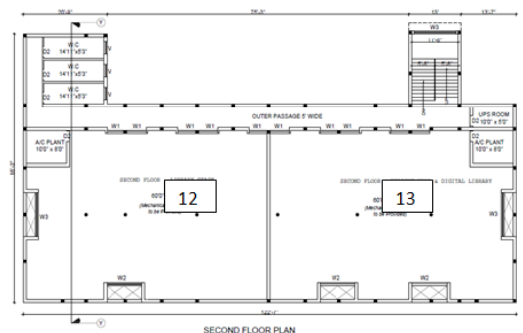
Second Floor

12. Stack Section - II
13. IT Zone & Digital Library

4.2.3 **How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount on procuring new books, journals and e-reseources during the last four years.**

The library ensures the purchase of current titles, print and e-journals and other reading materials with the help of publishers' catalogues, conducting book exhibition exclusively for the selection of library books, book reviews in leading newspapers, through online book store vendors such as Flipkart and Amazon etc. , and also based on the suggestions received from respective department faculty and students. The E-journal packages have been subscribed through leading e-journals subscription agency recognized by AICTE. The following table provides an overview of purchase process.

Table 4.13 Main Library Book Details

Library holdings	2015-2016		2014-2015		2013-2014		2012-2013	
	Number	Total Cost in Rs	Number	Total Cost in Rs	Number	Total Cost in Rs	Number	Total Cost in Rs
Text & Reference Books	750	467050	2656	1421471	1824	914607	1472	711626
	188		664		456		368	
Journals/ Periodicals	121	216024	122	220723	140	238692	149	268587
E-resources	2626	1495264	2618	1311793	480	1065075	7349	1982499
NPTEL Videos			162	1,00,000				

4.2.4 **Provide details on the ICT and other tools deployed to provide maximum access to the library collection?**

OPAC (Online Public Access Catalogue)

The PSNACET library has more than 1,40,000 lakhs of bibliographical records which includes books, e-books, journals, e-journals, monographs, bound volumes of periodicals and audio and video materials. The library catalogue of books and other reading material can be accessed through intranet. The user can search library resources by entering the keywords such us author, title, publisher and year of publication etc., The E-resources can be accessed throughout the campus through an IP address (http://192.168.10.5/)

OPAC **Audio visual room**

Electronic Resource Management package for e-journals

Table 4.14 Electronic Resource Management package for e-journals

Publiser	Specialization	Webpage
(IEEE) Institute of Electrical and Electronics Engineers	ComputerEngineering + Computer Science + Electrical and Engineering Telecommunications and related disciplines	(www.ieeexplore.ieee.org)
American Society of Civil Engineers (ASCE)	Civil Engineering	(http://ascelibrary.org/journals/all_journal_titles)
American Society of Mechanical Engineers (ASME)	Mechanical Engineering	(http://asmedigitalcollection.asme.org)
Science Direct (Elsevier)	Engineering + Computer Science + Electrical + Electronics + Mechanical + Civil and Structural + Aerospace + Biomedical + Industrial and Manufacturing + Ocean engineering + Computational Mechanics and Safety Risk, Reliability and Quality + Computer Network and communications, Artificial Intelligence, Computer Science , Computational Theory and Mathematics, Computer Graphics and Computer Aided Design, Information Systems,	(www.sciencedirect.com)
J-Gate	Management Sciences	(http://jgateplus.com)
NISCAIR Journals	Engineering Sciences	(http://www.niscair.res.in/)
SAGE Journals	Management + Science	(http://pds.sagepub.com, http://sts.sagepub.com)

Federated searching tools to search articles in multiple databases

We have implemented the open source Greenstone digital library software which is a federated searching tool.

Library Website

We have website for our library (http://psnacet.edu.in/lib-introduction.php) which gives all the updated information about our college library.

In-house / remote access to e-publications

E- Resources can be accessed from anywhere within the campus.

Library automation

A library automation software which is a fully integrated multi-user software on windows environment is implemented and developed as an in-house project by our students. It is user friendly, informative and has the features such as: powerful search engine which locates the status and location of the book in the library, displays all available books and displays the borrower status of print and non-print materials.

Total number of computers for public access - 46
Total numbers of printers for public access– 4
Internet band width/speed – 256 Mbps
Institutional Repository– 1

The Open Source Software, Green Stone Digital Library (GSDL) is used as an institutional repository for online solution for collecting, preserving, and disseminating the e-resources.

Content management system for E-learning

GSDL acts as content management retrieval system for E-Learning in our college.

Participation in Resource sharing networks/consortia (like Inflibnet)

The college is a subscribed member of Indian National Digital Library in Engineering Sciences and Technology (INDEST) -AICTE Consortium through which IEEE, ASME, ASCE, ELSEVIER, J-GATE and other international journals are accessed.

4.2.5 Provide details on the following items

Average number of walk-ins	:	400
Average number of books issued/returned	:	300
Ratio of library books to students enrolled	:	1:14
Average number of books added during last three years	:	2179
Average number of login to opac (OPAC)	:	500
Average number of login to e-resources	:	300
Average number of e-resources downloaded/printed	:	200
Number of information literacy trainings organized	:	1 PerYr.
Details of "weeding out" of books and other materials	:	NA

4.2.6 Give details of the specialized services provided by the library

Manuscripts

UG and PG Students project dissertations are available.

Reference

We have reference section in our college library, comprises good collections of reference books for all the branches. This section has enriched with collection of books for competitive examinations, books on General Knowledge, Encyclopedia Britannica, Encyclopedia of Science and

Technology, Information Technology Encyclopedia, Encyclopedia of Nanotechnology, Ecology and Environment, Organic Farming, Bioinformatics, World Book, Media Ethics, World Geography, Technology & Applied Sciences, Handbooks, Preparatory guides for Gate Examinations, GRE, GMAT, CAT, TOEFL etc.,

Reference hall

Reading hall

Reprography

Two photocopying machines are available in the college library. Students can take a photocopy at a nominal cost under the copyright act.

ILL (Inter Library Loan Service)

This service is availed from the following libraries
- The American Information Resource Center, Chennai
- British Council Library, Chennai
- Anna University Library, Chennai

Information Deployment and Notification

- Notifications of issue, return, renewal, reservation, dues, new arrivals etc., are informed through e-mail.
- The library displays the latest arrival of books and journals in the new arrival display racks for the benefit of the users.
- The library notice boards.

Download

- Downloadable facilities for e-resources
- E-Books and E-Journals
- Anna University previous year question papers
- NPTEL and educational oriented videos
- Audio Books & Video Books
- ASTM Symposium papers
- Course Materials, Job Interview Q & A
- Monographs
- Bureau of Indian Standard Code books
- PSNACET Faculty publications

Printing

The user can take print out and scan their document in the library.

Reading List / Bibliography compilation

Reading list and bibliography compilation can be provided to the user on request.

In-house/remote access to e-resources

A well-equipped digital library enables access to E-Journals, E-Books with 256 Mbps internet connectivity.

User Orientation and Awareness

Orientation is given to the first year students (fresher's) by the Library staff, during the beginning of the first semester.

Assistance in searching Databases

The library staff member assists the user in searching the databases and e-resources.

INFLIBNET/IUC facilities

The user can visit and download the INFLIBNET/inter university consortium facilities available in the library.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college

- Searching/locating the books through online and offline.
- Noise-free atmosphere, for a better reading ambience.
- Updating the revision and new arrivals to reader in the form of display.
- Printouts/photo copying/ scanning the library resources.
- Information about books and non-book materials available in the library
- Assisting the purchase of new books by providing latest catalogues
- Assisting in searching and downloading the required articles from the online database.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details

- A ramp facility in the Ground floor.
- Refer and borrow in reference and reading sections.
- Use the digital library without any hindrance.
- Extension of the loan period can be made through e-mail or phone.
- Reference services by fax or email.
- Class room and home delivery of the library resources.
- Remote and electronic access to the OPAC.

- Facilities to access the audio and video materials in the digital library by using headphones.
- Waiving of late fines, extended reserve books.
- Library staff/student helps to get the books.

4.2.9 **Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)**

Yes. The library gets the feedback from the students and faculty members through "My Page" screen entries provided in the library OPAC. It is analyzed by the library advisory committe and actions are taken for further improvements in the library.

4.3 **IT Infrastructure**

4.3.1. **Give details on the computing facility available (hardware and software) at the institution. Number of computer with configuration (provide actual number with exact configuration of each available system)**

The following table shows the number of computers with configuration

Table 4.15 Details of Computers and Configuration

Configuration	Qty
HP DX5150, AMD Athlon Xp 3200+, ATI Radeon express 200 chipset, 1GB DDR 400 SDRAM, 80GB SATA HDD, 15" HP TFT monitor, HP USB optical mouse, HP USB keyboard	326
HP 2255, AMD Athalon 64 x2 4600 + 2.4 Ghz, VIA K8 m 890 Chipset,512 MBPC2-5300 DDR2 SDRAM @ 667 Mhz ,80 GB SATA2- 3 Gbps HDD,52x CD ROM Drive,15" HP TFT monitor, HP USB optical mouse, HP USB keyboard	194
HP - DX2480,Intel Core 2 Duo E7400 (2.8GHz, ,3 MBL2 Cache ,1066 MHz FSB),Intel G33 Chipset motherboard,2 GB NECC DDR-2-SDRAM @ 800 MHz,250 GB SATA-2 (3Gb/s) HDD,HP 18.5" wide TFT LCD monitor, HP USB Keyboard, HP USB 2 button Optical Mouse	180
HP pro 3330 ,Intel Core i3 -3220 processor ,Intel H61 express chipset, 2GB 1333 DDR3 SDRAM ,500GB SATA HDD, HP 18.5" LED Monitor, HP USB standard Keyboard,HP USB 2 button optical scroll Mouse	164
HP 400 G2, Intel core i3-4130,3.40ghz,4gb ddr3 ram, 500gb hdd,18.5" TFT display, HP keyboard, HP mouse.	159
HP Elite 7100 ,Intel Core i3 3.06Ghz, 2GB RAM ,320GB HDD, Intel HD Graphics,HP V 18.5e LCD Monitor, HP USB standard Keyboard, HP USB 2 button optical scroll Mouse	135
HP pro 3330 Intel Core i5 3.10Ghz, Intel H61 express chipset, 4GB 1333 DDR3 SDRAM ,500GB HDD, Intel HD Graphics, HP V 18.5" TFT LED Monitor, HP USB standard Keyboard, HP USB 2 button optical scroll Mouse	130

Description	Qty
Dell optiplex 3020, intel core i3-4130,3.40ghz,4gb ddr3 ram,500gb hdd,18.5" LED display, dell usb mouse, dell usb keyboard	100
HP dx2480 ,Intel Core 2 Duo 2.2GHz,Intel G31 Chipset, 1GB DDR-2-SDRAM @ 667 MHz, 160 GB SATA-2@7200rpm, HP 17" TFT LCD, HP USB Keyboard,HP USB 2 button Optical Mouse	80
Dell Vostro 230 Slim Tower Desktop, Intel Core2 Duo 2.93GHz, 2GBDDR3 1333MHz SDRAM memory,320GB SATA HDD, Intel G41 chipset, Dell 19 " Widescreen Flat Panel Monitor, Dell USB Keyboard, Dell Optical USB Mouse	75
HP 280G, Intel Core i5 3.10Ghz, Intel H61 express chipset, 4GB 1333 DDR3 SDRAM ,500GB HDD, Intel HD Graphics, HP V 18.5" TFT LED Monitor, HP USB standard Keyboard, HP USB 2 button optical scroll Mouse	65
Dell precision 370nDT-Workstation, Intel Pentium IV 3.6ghz, 1Mb L2 cache, Intel EM64T chipset, 512MB DDR2SDRAM 400mhz, 64MB PCIe x16 NVIDIA quadro, 40GB SATA HDD, 1.44Mb FDD, 48X CDD, 17" CRT monitor, Dell optical USB mouse, Dell USB keyboard	57
DELL optiplex 330 n, Intel Core 2 Duo 2.2GHz,Intel G31 Chipset, 1GB DDR-2-SDRAM @ 667 MHz, 160 GB SATA-2@7200rpm, Dell 17" TFT LCD ,Dell USB Keyboard, DellUSB 2 button Optical Mouse	49
Dell optiplex 3030, intel core i3-4150, 3.5ghz,4gb ddr3 ram, 500gb hdd, 19.5" TFT display, dell usb mouse, dell usb keyboard	42
Dell optiplex GX280n optiplex Desktop, Intel Pentium IV 3.0ghz, Intel 915 chipset, 256 MB DDR2 400 SDRAM, Integrated graphics media accelerator 900, 40GB SATA HDD, 17" CRT monitor, Dell optical USB mouse, Dell USB keyboard.	41
ACER Power Series PC,Intel Core2 duo 2.0 GHz With 800MHz FSB, 2X2 MB Cache, Intel 945GZ Chipset Mother board, 512MB DDR-2 RAM@533 MHz, 80GB SATA HDD@7200rpm, ACER Keyboard, ACER Optical Mouse, ACER 17" TFT LCD monitor	34
ACER Power Series PC,Intel Pentium-D- Dual Core 3.0 GHz With 800MHz FSB, 2X2 MB Cache, Intel 945GZ Chipset Mother board, 512MB DDR-2 RAM@533 MHz, 80GB SATA HDD, ACER Keyboard, ACER Optical Mouse, ACER 17" TFT LCD monitor	30
Lenovo M71e ,Intel Core i5 2400,2 GB DDr3 RAM , 500 GB SATA , DVD RW , lenovo USB keyboard, lenovo USB optical mouse,18.5"Screen.	28
HP Pro 3090 Business Desktop, Intel Core2 Duo E7500 (2.93GHz, 3MB L2 cache, 1066MHz), 2GB(2X1GB) DDR3 1333MHz SDRAM memory,320GB SATA Hard Drive, Intel G43 chipset, HP 18.5" Widescreen Flat Panel Monitor, Intel(R) GMA X4500,HP USB Keyboard, HP Optical USB Mouse	23
HP-XW4300, Intel Pentium 4, 3.2GHz, Intel 955X express chipset, 512MB DDR2-667ECC ,80GB SATA 3Gb/s(7200 rpm), Nvidia 285 Graphics card 128Mb Pci X, 15" HP TFT Monitor, HP USB Optical Scroll Mouse, HP USB Standard keyboard, 48x CDROM	18
DELL Vostro 1400 N laptop, Intel core 2 Duo ,1.4 GHz ,Intel 965 GM Chipset,1 GB DDR-2 SDRAM @ 667MHz, 160GB SATA-2 @ 7200rpm HDD,14.1" Wide screen WXGA TFT, 8X DVD writer, Keypad with touchpad	10
Lenovo C200 ,Atom D525, 1.80 Ghz, 2GB DDR3 Ram,500GB HDD, Wired: 10/100M, Wifi: 802.11BGN,DVDRW, speaker, camera, cardreader, lenovo USB keyboard, lenovo USB optical mouse,18.5"Screen.	08
DELL Precision T3400n workstation, Intel Core 2 Quad ,2.4 GHz, Intel X38 Chipset, 2 GB DDR-2 SDRAM @ 667MHz,250GB SATA-2 @	05

7200rpm,256 MB PCIex16 NVIDIA Quadro graphics card, DELL 19" Flat Panel LCD Monitor, DELL USB Keyboard, DELL USB 2 button Optical Mouse, 16X DVD writer	
Apple iMac, Intel core 2 duo 2Ghz, Intel 945gz chipset, 80Gb HDD, 17" TFT display, Integrated Bluetooth, 802.11a/b/g, apple keyboard, apple mouse	05
HP 650 laptop, Intel core i3, 2 gb ddr3 ram, 500 gbhdd, 15.6" HD LED display, Bluetooth, wifi.	05
Lenovo g 580 laptop, Intel core i3 -2370, 2.4ghz, 4gb ddr3 ram, 500 gbhdd, 15.6" LED display, 320p cam, Bluetooth, wifi.	05
IBM server x3300 m4, Intel xeon e5-2403 quad core 1.8 ghz, 8 gb ddr3 ram,2*500 gbhdd, Lenovo tft monitor, IBM keyboard ,IBM mouse	04
Hp 4440 s laptop, Intel core i5 2.5 ghz, 2gb ddr3 ram, 750 gbhdd, 14" display, HD cam, Bluetooth, wifi.	04
Dell Vostro Laptop 3400, Intel® Core™ i3 350m 2.26 Ghz ,2 GB RAM, Intel® HM57 Express Chipset , 320GB SATA HDD, 14.0" High Definition Wide LED Anti-Glare Display, 8X DVD+/-RW ,Integrated 2.0 MP camera,	03
HP-compaq nx6110, Intel Pentium 1.73GHz, 512MBDDRSDRAM Intel 915GM chipset, 40GB HDD (5400 rpm), Integrated 802.11b/g wireless/Bluetooth, DVD Combo, Touch pad with scroll zone. 15" TFT display	03
HP ML150G3 Quad-Core Intel® Xeon® processor E5310 (1.60 GHz, 1066 FSB,80W) / Integrated 2x4MB L2 cache ,2 GB PC2-5300 Fully Buffered DIMMs (DDR2-667) ,48x CD-ROM,HP2* 160GB SATA 7.2K Hot Plug 3.5" HDD, HP USB keyboard, HP USB optical Scroll mouse	03
Hp nx6325, AMD turion 2.2Ghz,512Mb ram, 80Gb Sata HDD, DVD Rom, Integrated 802.11b/g wireless/BluetoothTouch pad with scroll zone6 cell 4.0 AH Lion Battery, 15" TFT display	03
HP ProLiant ML150G3 Server, Intel® Xeon® 5050 Dual Core Processor 3 GHz, 160GB SATA HDD ,48x CD-ROM, Intel® 5000V Chipset, HP USB keyboard, HP USB Mouse, HP 15" TFT-LCD monitor	03
HP 400 G2, Intel core i5-4570, 4gbDDR3 Ram, 500gb HDD, 18.5" TFT display, HP keyboard, HP mouse.	03
DELL Power Edge R200 server, Intel Xeon Quad Core 2.13GHz,Intel 3200 Chipset ,4 GB DDR-2 SDRAM @667MHz ECC2R memory, 250GB SATA-2 @ 7200rpm HDD, DELL USB Keyboard, DELL USB 2 button Optical Mouse, 8X SATA Slim DVD ROM	02
HPdx2700, IntelPentiumDcore2.8Ghz, Q963chipset, 512MBDDR2Ram, 80GB HDD, HP 15"TFT monitor, HP USB keyboard, HP USB optical mouse.	02
Dell vostro 3500 laptop, Intel core i3, 2.53 Ghz, 2gb ddr3 ram, 320 gbhdd, 15.6" LED display, web cam, Bluetooth, wifi.	02
HP rx2660 ,Itanium2(Dual core) @ 1.4 GHz,12 MB cache, HP rx2660 Server with Single CPU,HP 4GB DDR2 (2x2GB) Memory, HP Integrity 2 * 146GB 10k SAS Drive,HP Integrity 8x DVDDrive	01
HP ProLiant ML110G4 , Intel E3000 server chipset / Xeon Dual-Core 3040 1.86GHz, 2* 512MBx1 PC2 5300 ECC DDR II memory / HP Embedded 4 Port SATA Controller with embedded RAID / 2* 160GB Non-Hot Plug SATA HDD	01
HP-Compaq DL 380-2U Rack server, Intel Dual Xeon Processor 3GHz , Intel 7520 server chipset, 4GB DDR2- SDRAM- PC3200 4* 72 GB Ultra 320 SCSI HDD(10k rpm), 52x CDROM, 15" TFT display, HP USB keyboard, HP USB optical Scroll mouse	01

HP 250 laptop, Intel core i3, 4GBDDR3 Ram, 500gb HDD, DVD writer, 15.5" display, web camera, Bluetooth, Wi-Fi.	01
HP 440 notebook, Intel core I 5 4210, 4GB DDR3 Ram, 500gb HDD, DVD writer,14" screen	01
HP240 notebook, Intel core i5 4210u,4gb DDR3 Ram, 500gb HDD, 14" anti-glare screen	01
HP 800 G1, Intel core i7, 4790, 3.5Ghz, 16GB DDR3 Ram, 2TB HDD, 21.5" TFT Display	01
HP 800 G1, Intel core i5, 4690, 3.5Ghz, 8GB DDR3 Ram, 1TB HDD, 21.5" TFT display	01
HP pro X2 612 G1, Intel core i5 , 4302Y, 4GB DDR3 Ram, 128 GB SSD , 12.5" TFT LED display	01
HP Probook 440 G2, Intel core i5 4210 U, 4GB DDR3 Ram, 500 GB SSD, 14" TFT LED display	01
TOTAL	**2010**

UPS Details

Table 4.16 UPS Details

S.No	Capacity	Quantity
1	APC 6KVA	38
2	Lieberty 6KVA	13
3	APC 10 KVA	08
4	APC 2.2 KVA	07
5	APC 3 KVA	05
6	APC 1 KVA	03
7	Velsine 6KVA	01
8	Velsine 5KVA	01
9	Sunpower 5 KVA	01
10	APC 1.5 KVA	01

Computer-Student Ratio

Table 4.17 Computer-Student Ratio

Course	No. of Students	No. of Systems	Computer-student ratio
UG	5325	2010	1 : 2.98
PG	665		

Stand Alone Facility

Totally 2010 systems are available in the campus both as stand alone and as client server systems (for example the need to use Unix, Linux server, Data base applications, File server etc.). In central main computing laboratory 232 number of standalone computers are provided to students for the academic activities.

LAN Facility

All the 2010 systems are connected in LAN. In all the departments the systems in the computer lab is connected with the LAN. In turn all the computers in the LAN are connected with Internet. The Internet and intranet data communication can be performed in all the 2010 computers.

Backbone

All the computer labs are inter connected through optical fiber cable as a backbone with 1000 Mbps bandwidth.

Topology

With extended star topology, all the computer systems in the computer labs are inter-connected through centralized Manageable Cisco Switch with 1000Mbps speed.

Switch

All the computer systems in the computer labs are interconnected through Cisco 1000 Mbps un-manageable switch and also the computer labs are interconnected through Cisco 1000Mbps Manageable switch.

Cable

All the computer systems with in a computer laboratory are networked with Dlink Cat 6 UTP cables with 1000 Mbps speed. The entire computer laboratories are interconnected with Dlink single mode optical fiber cable with 1000 Mbps speed.

Wifi facility

There are 80 Wi-Fi hotspots spread across the college and hostels. These hotspots are equipped with Ubiquiti Ns2 access points 2.4 Ghz, 54 Mbps speed. These Wi-Fi hotspots provide service to students as well as to faculty community for their computing, communication and presentation requirements

Licensed software

The following are the list of licensed softwares used in PSNA CET

Table 4.18 Details of Licensed Software

S. no	Particulars	No of License
1.	Microsoft Certified Campus Agreement (95 Product's)	MSCA
2.	Red Hat Enterprise Linux 5.0 for Itanium server	Unlimited
3.	RED HAT Linux 7.1	Unlimited
4.	Novell NetWare 5.1	255
5.	Novell NetWare 4.11	100
6.	Symantec Endpoint Protection 11.0 license	101
7.	Trend Micro Antivirus Worry free Security Standard Edition 5.0	100
8.	Mcafee 8.5 I antivirus software	100
9.	Kaspersky internet security 2012	100
10.	IBM Rational Suite Enterprise	90
11.	Globarena Career lab software	60

12.	Mcafee Antivirus SMB License	51
13.	Seqrite endpoint security	50
14.	PRO-E 2000	50
15.	Solid Edge	33
16.	SPSS -15.0(Statistical Product for Social Sciences)	30
17.	Oracle 10g Standard Edition	30
18.	IBM Rational rose developer	30
19.	Adobe Studio Flash Professional 8.0	30
20.	Adobe Studio Dream Weaver 8.0	30
21.	Adobe Flash paper 8.0	30
22.	Adobe Fireworks 8.0	30
23.	Adobe contribute 8.0	30
24.	Math CAD 13 Professional Edition	25
25.	Adobe Version cue CS3	17
26.	Adobe Stock Photos	17
27.	Adobe Flash professional CS3	17
28.	Adobe Fireworks CS3	17
29.	Adobe Dream weaver CS3	17
30.	Adobe Device Central CS3	17
31.	Adobe Contribute CS3	17
32.	Adobe Bridge CS3	17
33.	Adobe Acrobat Connect	17
34.	Strap	15
35.	Lab View	15
36.	Network Simulator	15
37.	Lab View	15
38.	GT-STRUDL	12
39.	AutoCAD 2008 with Invertor Professional 2008	10
40.	AutoCAD 2008 with Civil 3D 2008	10
41.	AutoCAD 2008 with AutoCAD Electrical	10
42.	AutoCAD 2008 with CIVIL 3D 2008	10
43.	AutoCAD 2008 with Inventor Professional 2008	10
44.	CNC Simulator	10
45.	MathCAD 13 Professional Edition	10
46.	Lab View	10
47.	MAT Lab Release 12-6.0	10
48.	Mi. Power-Power System	10
49.	PSCAD	10
50.	MathCAD 13 Professional Edition	10
51.	XILINX ISE 9.1	10
52.	PS Pice circuit design	10
53.	Lab View	10
54.	Architectural Desktop	05
55.	LPS	05
56.	ERDAS	05
57.	Auto CAD 2000	05
58.	ANSYS 5.5	05
59.	CATIA V5 R16	05

60.	AutoCAD 2007 With Inventor	05
61.	Unigraphics Nx-3	05
62.	PSIM	05
63.	Embedded System VHDL	05
64.	MAT Lab Release 11-5.3	05
65.	WINGS2000	05
66.	CAMP	04
67.	Staad pro	02
68.	PSPICE	02
69.	Oracle 10g Standard Edition ONE processor License	01
70.	Network Simulator Software Research license	01
71.	Corel Draw Graphics Suite 12	01
72.	Coral Draw Graphics Suite X4	01
73.	Adobe Version Cue CS2	01
74.	Adobe Stock Photos CS2	01
75.	Adobe Photoshop CS2	01
76.	Adobe pagemaker 7.0.2	01
77.	Adobe In Design CS2	01
78.	Adobe Illustrator CS2	01
79.	Adobe Go Live CS2	01
80.	Adobe Director 10.0	01
81.	Adobe Bridge CS2	01
82.	Adobe Acrobat Professional 7.0 CS2	01
83.	Arc GIS 9	01
84.	ADAMS 9.2	01
85.	Esprit CAM Software	01
86.	VIS SIM	01
87.	ORCAD-PCB Layout design	01
88.	Dials	01
89.	Rsoft – Artison	01
90.	Image acquisition	01
91.	Visibroker 7.0	01

Number of nodes/ computers with Internet facility

Through all the 2010 computers in the campus Internet can be accessed. The details of Internet facility is provided in the table below.

Table 4.19 Details of Internet Service Provider

S.No	Internet Service Provider	Type of Service	Bandwidth
1	AIRTEL	Dedicated leased line	236 Mbps(1:1)
2	TATA	Dedicated leased line	20 Mbps(1:1)
TOTAL			256 Mbps(1:1)

Any other Details

Details of the list of printer and scanner available in the college is provided in the table given below

Table 4.20 Details of Printer and Scanner

Item	Peripheral name	Qty
Printer	Hp Laser Jet	157
	Hp Office Jet	10
	Hp Color	10
	Canon	7
	TVS E 450	2
	Toshiba E studio 232	2
	Wipro wep LQ 1050	2
	Ricoh mpc2030 Color	01
	Hpdeskjet 450 c	01
Scanner	HP Scan Jet 4010	11
	HP 4850 Scanner	04
	Hp Photo smart B210	02
	TOTAL	**209**

4.3.2 Detail on the computer and Internet facility made available to the faculty and students on the campus and off-campus?

Totally in the campus 2010 computer systems are available. All the 2010 computers are connected with Internet. Every department has its own computer lab. The number of computers in the computer lab is surplus in accordance with norms prescribed by AICTE in terms of computer student ratio. Therefore the computer system is made available to every faculty in their own department's computer lab itself. All the faculty members are possessing laptop. The campus is fully WiFi enabled. So the faculty members can access the Internet facility through WiFI at their disposal. To enable this thoroughly WiFi antennas are laid nearer to the faculty cabins.

The process of posting attendance, internal marks, maintenance of students tutor record is fully automated. Through this fully automated web auto system, the faculty can enter the details by accessing the server with authorized credentials. Students can view the marks and the performance by accessing the server. Webauto system consists of HODs corner, Students corner, Parents corner, Tutors corner, Anna University report. Time table is loaded into the webauto. Feedback form is also provided in the system.

The faculty and students can log on to the webauto by accessing the PSNA CET website, www.psnacet.edu.in. The attendance, internal mark can be accessed by the students. The faculty can access the webauto and can post the attendance; internal marks and students tutor record entry. The parents can log on to webauto and can see their children's attendance, performance in internal test and university examination.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The IT infrastructure and associated facilities comes under the control of Head of the department of CSE and IT. All the activities of IT infrastructure is addressed and taken care by them. Main computing centre is headed by a

professor in-charge with some team members. Whenever need arises for general IT facilities, including the IT infrastructure facilities for central computing centre the budget is prepared by CSE and IT heads, for exclusive departmental IT infrastructure the budget is prepared by the respective heads and/or the in-charges and the same will be submitted to the management committee through the Principal for approval.

For maintenance activity of IT infrastructure, the preparation of budget for the departmental IT infrastructure goes through the department budget and the budget for the central computing centre and the general IT infrastructure, goes through the budget of the department of central computing centre.

If the college management decides to implement anything with immediate effect then special permission along with the necessary budget will be sent down in proper channel from the higher official to the person in-charge for carrying out and executing the same.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

The table presented below depicts the details of the Annual Budgets for computers and Accessories

Table 4.21 Details of the Annual Budgets for computers and Accessories

S. No	Description	2012-2013 (in Lakhs of Rs.)	2013-2014 (in Lakhs of Rs.)	2014-2015 (in Lakhs of Rs.)	2015-2016 (in Lakhs of Rs.)
1	System and Fittings	66,00,500	28,57,264	93,80,435	22,28,400
2.	Software	5,07,950	12,46,000	2,86,000	24,46,577
3.	Maintenance	57,730	1,66,300	1,37,019	1,24,850
4.	Others (Peripherals)	8,50,783	1,37,470	2,47,620	3,20,150

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

The digital library of PSNA CET provides access for e- journal access. The e-journals can be accessed in all the computers of PSNACET. The e-journal access is based on IP address system. So the faculty members and students can get the soft copy of the journal at their disposal.

In PSNA CET, the faculty members from all the departments had given video lectures and these video lectures are published in the PSNA CET website. The faculty and the students can make use of this facility.

Five numbers of Smart board with all its softwares and accessories are available in the campus. This facility can be used to record and store the subject materials written in the smart board. This material can be referred by students as notes later on.

In library, NPTEL video lectures, course era materials and other relevant contents from outsourced webinars are available

All class rooms are enabled with Wi Fi and LCD projectors connected with networked computer to facilitate the extensive use of ICT resources. In addition to this, faculty and students can access to the various library networks in the network.

A well equipped language laboratory is available to train students with language and communication skills using ICT resources in English department. On-line tests will be conducted regularly for training the students for placement. Posting of course materials and laboratory manuals is facilitated using ICT.

In order to train the students for campus placements in MNCs, ICT enabled resources are utilized. Students have become quite familiar with online tests (online quantitative, verbal and reasoning test based on the MNC such as CTS, Inautix, INFOSYS, WIPRO patterns)

Academic and other important information are directed to the students and parents through bulk SMS service.

Using social media such as Facebook, Twitter, Whatsapp, the information regarding the course material, learning material, seminar /workshop events etc. are published and propagated.

4.3.6 **Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching- learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.**

The seminar hall present in all the department has public addressing system. Video lectures such as NPTEL videos, Course era material can be played in the seminar hall for the benefits of the students.

The class rooms are fitted with LCD projectors connected with networked computer. Via this computer both Internet and local network can be accessed. By using this facility the faculty can access and use all the resources prepared by them and the one available in the network/Internet to the door step of the class room without any hurdles.

Lesson plans will be prepared by the faculties. In the lession plan the reference to the material in terms of text books, reference books, content in Internet, Journals, e-journals, and video lecture will be given well in advance. The same will also be available in soft copy in the department server. This enables the student to prepare well in advance.

All the laboratory manuals, course materials, frequently asked questions, short questions and answers will be sent by the faculties to the group email id of the class to facilitate the students to learn seamlessly, during times when they don't have the books in their hand.

As it is mentioned in section 4.3.5, smart boards are used to record and store the data written in the smart board for later reference.

In PSNA CET, high end video shooting camera is available. By using this camera, the lectures given by the resource persons during various events are recorded and the same will be edited and will be stored in the server. Once needed the students can access to this lectures.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

The institution is having tie up and connectivity with EDUSAT Programme through Anna University, Chennai. The infrastructure and provision to telecast these courses to the students is available. The faculty of the institution had also delivered lectures in this programme. The following infrastructures Asus NVIDIA GT610-SL-2GD3-L 2 GB DDR3 Graphics Card, AverMedia DVD EZMAKER 7 Capture Card, A VIEW Software are available to broadcast the lectures delivered by the faculty. The institution also has QEEE facility to cater the students with the lectures by IIT professors.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

PSNA CET allocate sufficient fund for both upgrading and maintaining the infrastructure resources. The following tables present the amount in rupees for infrastructure development and maintenance.

Table 4.22 Budget Details

S. No	Item	2015-16 in lakhs	2014-15 in lakhs	2013-14 in lakhs	2012-13 in lakhs
1	Building	250.00	400.00	350.00	550.00
2	Furniture	25.00	50.00	25.00	60.00
3	Equipment	80.00	110.00	200.00	150.00
4	Computers	25.00	100.00	30.00	70.00
5	Vehicles	210.00	90.00	180.00	150.00
6	Airconditioners	25.00	50.00	5.00	140.00
7	Library Books	25.00	20.00	20.00	30.00
8	Software	30.00	5.00	15.00	5.00
9	UPS	5.00	15.00	5.00	5.00
10	Miscellaneouss	15.00	30.00	100.00	40.00
	Total	**690.00**	**870.00**	**930.00**	**1,200.00**

Table 4.23 Expense details

Sl No	Item	2015-16 in lakhs of Rs	2014-15 in lakhs of Rs	2013-14 in lakhs of Rs	2012-13 in lakhs of Rs
1	Building	212.49	379.04	336.28	530.79
2	Furniture	23.33	41.94	21.75	57.75
3	Equipment	81.32	113.41	183.12	136.21
4	Computers	22.28	93.23	28.57	66.00
5	Vehicles	204.80	82.69	177.01	146.21
6	Airconditioners	-	46.37	1.21	139.70
7	Library Books	22.56	16.49	17.09	27.09
8	Software	22.58	1.00	12.46	5.09
9	UPS	3.62	15.38	4.38	4.73
10	Miscellaneouss	13.31	30.12	104.88	30.74
	Total	**606.29**	**819.67**	**886.75**	**1,144.31**

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

Maintenance and Upkeep of the Infrastructure Facilities

The institution has taken necessary measures to maintain the infrastructure by appointing dedicated team of staff members. The entire team is headed by Dean Administration.

E: Establishment, EM: Electrical Maintenance, WS & D: Water Supply and drainage, CR: Carpentry, BC: Building construction, HK: House Keeping, GR: Gardening
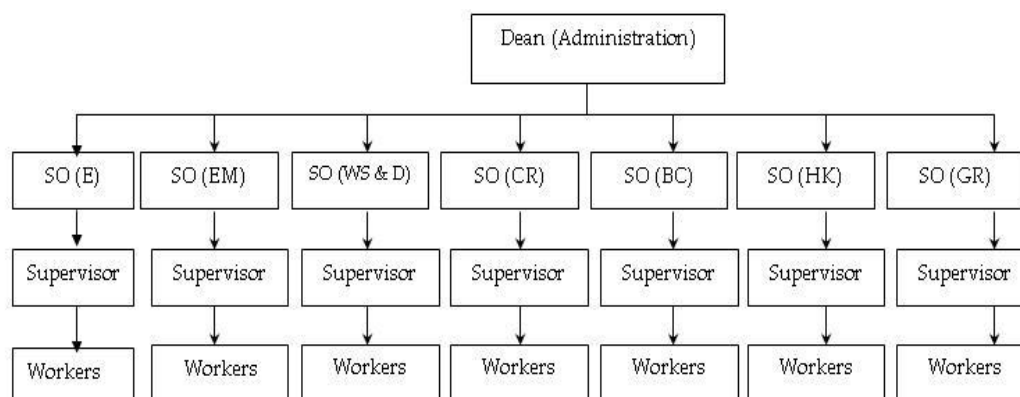
Table 4.24 Details of Maintenance and Upkeep Human Resources

Sl. No	Designation	Section	Responsibilities
1.	Dean (Admin)	Overall	▪ Monitoring and Facilitating the requirements of each section

2.	Section officer	E	▪ Maintenance of all particulars and records of teaching, non-teaching members
2.	Section officer	EM	▪ Power house Maintenance erection and repairing of all electrical related works
3.	Section officer	WS & D	▪ Ensuring continuous water supply to academic and hostel blocks ▪ Discharging of waste water
4.	Section officer	CR	▪ Fabricating required wooden furniture like tables, chairs, racks, doors, windows etc. ▪ Maintenance works
5.	Section officer	BC	▪ Planning and designing required class rooms, Labs, etc supervising the Construction ▪ Maintenance
6.	Section officer	HK	▪ Regular visit to all depts., lab and class rooms to ensure cleanliness.
7.	Section officer	GR	▪ Maintaining campus green

Electrical Maintenance

The department of Electrical Maintenance is looking after the erection of new systems, all communication lines and maintenance.

Maintenance and Upkeep of the Equipment in the College

For each and every laboratory, lab in-charges are assigned. The lab in-charges are responsible for maintaining both the consumables and non-consumables present in the stock register of the respective lab. If any fault is identified in the equipment (non-consumables) the lab in-charge will take necessary steps through proper channel and bring the right personnel's for rectifying the fault in the equipment. In case of consumables, the lab in-charges will take necessary actions to fill the item that is out of stock. In addition to this, specific equipments and peripherals such as UPS, Battery, Lift equipment machineries, Oscilloscope etc are under annual maintenance contract (AMC). The head concerned of the department over looks all these procedures to maintain the record of normal and smooth functioning of the lab.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

The equipments present in the following labs: Strength of Materials Lab, Soil Mechanics Lab, Surveying Lab, Environmental Engineering Lab, Structural Engineering, Highway and Concrete Engineering Lab, Hydraulic Engineering Lab, Computer Aided Building Lab, Metrology and Measurements Lab is calibrated and will be checked for precision measures by the respective technical assistants/lab in-charges during the end of every academic year. This is taken care by the respective lab in-charges and head of the department.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

All the sensitive equipments (such as computers) are connected with uninterrupted power supply (UPS). Therefore the sensitive equipment are protected against voltage fluctuations and transient conditions.

Checks for wiring and electrical installations for leakage and earthing (3)

The leakage in wiring and earthing is being periodically checked with the help of Megger and using DVMs and Energy managers. The checks are periodically made once in 3 months

Lightening arrester

High capacity Lightening arrester is installed in the college campus to safeguard the buildings, electrical and electronics equipments and all the machineries.

Fire fighting measurements

Effective safety arrangements with emergency/multiple exits and ventilation/exhausts in auditoriums, large class rooms/labs, Fire fighting equipments and training, Availability of water, and such other facilities are available

No. of emergency exits in Main Auditorium	:	4
No. of emergency exits in Civil-Mech. Auditorium	:	2
Availability of water/other facilities for fire fighting in auditoriums	:	Yes
Total no. of fire extinguishers in the campus	:	196

(College:133 + Hostel:63)

The fire extinguishers are periodically checked and certified once in a year and are periodically serviced whenever needed.

Safety of Civil Structure

The civil structures are properly designed and constructed by well qualified and certified consulting engineers and contracting firms. In addition, the structures are periodically maintained by a qualified building supervisor.

Constant supply of water

The institution has five water tanks with a total capacity of 2.5 lakh litres to cater the drinking water needs. There is a common Reverse Osmosis plant for water purification with a capacity of 5000 liters per hour. For regular supply, the institution has provided adequate number of water tapping points at various places in the campus.

Any other relevant information regarding Infrastructure and Learning resources which the college would like to include

Electricity and power backup

The institution has two HT services (HT SC 230 and HT SC 300) from TNEB, and good enough standby power to cater the electrical needs of

classrooms, laboratories, Administrative blocks, Gents Hostels (New and Old), Ladies Hostel blocks, Sports arena and others.

Details of HT, Transformer and Generator for Back up in College Main Campus

HT SC 230 is available at the college campus. It is provided with 800 kVA, 22-11 kV / 433 V, OLTC, outdoor, oil cooled and kirloskar make Transformer with a sanctioned demand of 475 kVA. This HT service is supported with two Cummins – Stamford, electronically governed generators of 880 kVA,

Generator-1: 500 KVA, 415 V at 0.8 p.f

Generator-2 : 380 KVA, 415 v at 0.8 p.f as stand by power.

Details of HT, Transformer and Generator for Back up in New Gents Hostel

HT SC 300 is available at New Gents Hostel. It is provided with 315 kVA, 22-11 kV / 433 V, outdoor, oil cooled and kirloskar make Transformer with a sanctioned demand of 205 kVA. This HT service is also supported with two Cummins – Stamford, electronically governed generators of 375 kVA,

Generator-1: 315 KVA, 415 V at 0.8 Pf

Generator-2 250 kVA, 415 V at 0.8 Pf

Generator-3: 125 kVA, 415 v at 0.8 p.f) as standby power

Our college is also supported with 40 kVA, 415 V, at 0.8 p.f mobile generator (Movable) for emergency purposes. With these facilities, our electrical maintenance department ensures the continuous and uninterrupted power supply for the entire campus

Telecom

Our college is fully plugged with 170 intercom lines. These lines are powered with a Siemens digital extension exchange from which outgoing calls can be made from the intercom lines straightly.

Apart from this, there are 73 separate landline numbers out of which 15 numbers are hooked up with BSNL broadband modems given for the higher authorities and the officials separately.

To facilitate the parents and others by making an inbound call there is always a toll free number waiting with the digits 1800-425 4264 in which any one can reach PSNA across the globe.

The land lines and broadband connections are monitored by an "on -campus" BSNL exchange inside the campus with a Digital Loop Carrier system (DLC) in which up to 400 lines and 48 Broadband connections, including data leased circuit can also be linked. It operates under the control of Sub Divisional Office Telephones, Dindigul, under Madurai zone.

Solid Waste Management

Solid waste management plant is present in the campus. Vegetable and food waste are processed and treated to prepare organic manure.

Rain Water harvesting

5 numbers of 100 ft x 55 ft outer / 70 ft x 25 ft inner, water harvesting tank are present. The rain water from the buildings, open places are stored in these tanks to increase the ground water level.

Bank Facility

Axis bank extension counter facility is available for the benefits of both students and staff. Axis bank ATM, Vijaya bank ATM is available for the benefits of both students and staff.

Sewage Treatment Plant

Sewage water treatment plant to purify the waste water is present in the campus. The purified water from this plant is used to irrigate the gardens. The details are presented in the following table.

Table 4.25 Details of Sewage Treatment Plant Capacity

Sl. No.	Location	Capacity in Liters
1	Ladies Hostel	350000/day
2	Old Gents Hostel	250000/day
3	New Gents Hostel	250000/day

Transport Facility

The following transport facility is present in the college to ease the transportation

- Number of buses   : 51
- Number of Cars and Vans : 04
- Number of Ambulance   : 02
- Number of Water tanker   : 01
- Number of Tractor   : 03
- Number of Two Wheeler   : 07
- Number of drivers   : 66
- Diesel Pump (Capacity)   : 12000 liters

CRITERION V

STUDENT SUPPORT AND PROGRESSION

5.1   Student Mentoring and Support

5.1.1   Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes, the institution publishes its updated prospectus annually. The prospectus provides all the necessary information the students need to know. It covers the following aspects

- Brief history about institution, Infrastructure ,
- Programme details (UG & PG) ,
- Brief introduction about Departments & Laboratories,
- Information about Library ,
- Training and placement cell and its related activities ,
- Co-curricular and Extracurricular activities ,
- Hostel facilities ,General facilities like stores, canteen
- Professional societies like ISTE chapter, CSI,IEEE,IE(I)
- Website details for online access

The college has a website having URL: www.psnacet.edu.in. The institution website is also updated regularly to provide the latest information to the students. The handbook (Academic Calendar) gives the details of the college working days, and the rules and regulations, which the students need to observe during their stay in the college. The handbook (Academic Calendar) contains the list of the facilities being provided to the students. And also the handbook (Academic Calendar) contains the list of various committees of the college. All the details are provided with the consent of the Head of the Institution. Hence the commitment and accountability is ensured.

5.1.2   Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The Institution provides complete waiver for tuition fee, hostel fee to the sports quota students.

Table 5.1 Institutional Scholarships given to the sport quota students

Sl. No	Name of the Scholarship	2014-15		2015-16	
		Total No. of Students	Total Amount In Lakhs	Total No. of Students	Total Amount In Lakhs
1	Sports Quota Student Scholarship	117	154.09	10	13.545

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

In the institution most of the students belong to the rural areas and economically weaker sections of the society. The institution provides financial assistance from State government, Central government and other agencies. All students who are eligible to receive the various Government scholarships including First generation learner's scholarship are facilitated to apply and receive the different categories of scholarships. Students eligible for Government scholarships are intimated about the application to be submitted and the relevant enclosures to be attached. The college office then uploads the information on the websites corresponding to the scholarship and when the scholarship is received, it is disbursed to the students.

Table 5.2 Percentage of students received financial assistance

YEAR	No. of students received scholarships	%
2012-2013	1668	38.93%
2013-2014	1756	37.59%
2014-2015	2057	40.29%
2015-2016	2291	40.56%

Table 5.3 Percentage of students received financial assistance from State, Central Government

YEAR	Total No of Students	State Government		Central Government	
		Number	%	Number	%
2012-2013	4285	1306	30.5	362	8.4
2013-2014	4672	1350	28.9	406	8.7
2014-2015	5105	1568	30.7	489	9.6
2015-2016	5649	1725	30.5	566	10.1

5.1.4 What are the specific support services/facilities available for?

Students from SC/ST, OBC and economically weaker sections
Students with physical disabilities
Overseas students
Students to participate in various competitions/National and International
Medical assistance to students: health centre, health insurance etc.
Organizing coaching classes for competitive exams
Skill development (spoken English, computer literacy, etc.,)
Support for "slow learners"
Exposures of students to other institution of higher learning/ corporate/business house etc.
Publication of student magazines

Students from SC/ST, OBC and economically weaker sections

Most of the students are from rural areas. It is very much essential to provide assistance to those students both financially and academically. The students from SC/ST, OBC and the economically weaker sections are identified at the time of admission, and their personal and academic details are collected and maintained as a record. During the admission, they are informed about the scholarships and other supportive services.

Whenever the information related to scholarship schemes from Government and Non- Government organizations are announced, they are intimated to all students and all the necessary supports are provided to them to apply for the scholarship.

Students with physical challenged/differently abled
- Due care is taken for differently abled students to make their stay in the institution comfortable and conducive for their learning.
- Special rest room is available in the ground floor.
- They are provided with Ramp facility with rails, wheel chair and ground floor classrooms in the academic and administrative blocks, food courts and hostels to support them to achieve in their studies.
- They are also provided support in Library, Laboratory and workshops.
- They are provided front-row seating arrangement and comfortable furniture.

Overseas students
- Overseas students are supported with residential facility with all amenities
- Separate mess facility to match their food habits.
- The carrier counseling and psychological counseling are undertaken to cope up with Indian students and minimize the cultural imbalance, the health insurance aspects taken care to ensure their safety in the campus.
- Well-furnished and sophisticated NRI hostel is available where A/C is fit based on the requirement of the students from overseas.

Students to participate in various competitions/National and International

Yes. Students are being encouraged to participate in any National and International level competitions. Proper guidance from the faculty as well as support from the management motivates the students to participate in various competitions.The college organizes technical paper presentations, seminars, conferences and workshops for student's participation.Students are provided with on-duty and technical support to participate in the symposiums, project contest and other events organized by the other colleges. Library provides necessary books, journals and e-journals for the reference and to be updated with the latest technologies.The Internet facilities and Wi-Fi facility of 256 Mbps are also provided to the students.

Medical assistance to students: health centre, health insurance etc.

PSNACET attaches special concern for the health and hygiene of the students, staff and other members.Proper arrangement for drinking water

(R.O. purified drinking water) is available inside the campus.

To ensure medical support, first aid boxes are provided in all the departments and college buses.Our institute has tieups Tie up with leading hospitals like City Hospital, Vijaya Hospital, JCB Hospital, for providing emergency medical services to the students and staff of our college.

Availability of ambulance services (response times and medical facility, critical care);

Two ambulances are available in the institute to take care of the emergency situations.All kind of medical facilities are available at Dindigul Town, nearly 10 kms from the institution. In case of emergency, we can reach the medical centers at Dindigul within 20 minutes.

Number of ambulances within the Institution: 2

Facility in ambulances   : Stretcher and Oxygen cylinder

Response-time in calling ambulance services from outside   : 20 Minutes

Organizing coaching classes for competitive exams

Continuing Education Cell functions in our college to guide the students in the competitive Exams like GATE, TOFEL, GRE, and TANCET etc, Coaching classes are conducted for the interested students during the evening hours by the trained faculty members.Guest lectures and motivational programmes be eminent personalities are also arranged. Question banks and books for competitive exams are available in the library

Skill development (spoken English, computer literacy, etc.,)
Spoken English skill

English Literature club of PSNACET conducts weekly elocution, debate and group discussion in order to improve the students' communication skill and personality development.English language and communication skill course along with lab has been introduced for all courses taken into consideration for rural students.

A separate language lab has also been provided to improve the communication skills of the students. The college has a well-equipped Language Laboratory with state-of-the-art language teaching/learning technology. Special sections are available in the Language Laboratory to teach the basics of English to the students from rural backgrounds, helping them build their confidence. Two software packages are available, which can be used by 50 users at a time for communication development.

Computer Literacy

In the first year computer literacy is ensured with the established IT workshops and C and Data Structure Computer Labs. Basic course on computer literacy and skills is mandatory in the curriculum for all the branches of B.E. and B.Tech. Programmes.

Programming in C and C++ is conducted to the students during semester holidays and in the evening hours of the working days by the departments of Computer Science and Information Technology. Internet laboratory is an additional facility for the development of the students.Various programmes and events aimed at skill development are conducted throughout the duration of the course.

Other language options such as German are available to encourage foreign language learning. Students undergo German language training in batches of 60 all through the year.

Support for "slow learners"

Slow learners are identified in each class based on their performance in internal assessment tests and special coaching classes are conducted for the slow learners by the subject teachers during the evening hours if necessary. Retests are also conducted for improvements.The identified slow learners are counseled at regular intervals by the Head of the department. The parents are also notified about the performance and enhancement of the students. The performances of such slow learners are monitored by the tutors in the subsequent internal test, so that the improvement in the performance is ensured.

Exposures of students to other institutions of higher learning/ corporate/business house etc

Guest lectures by eminent speakers are organized to help the students to keep in pace with the recent developments in their subjects.Value added courses are conducted to acquire more knowledge.

Students are also taken for Industrial visits to interact with the industrialists and keep in touch with the latest technological developments. Industrial visits and In-plant training are organized for the students to help them to bridge the Industry – Institution gap.

The students undertake the interim projects in industries and gain insights into the working of industry, the students also do their project works in major reputed industries as a part of their curriculum.

The college has signed MOUs with many industries to train the students in contemporary areas and also in R and D work.All the departments have signed MoU with industries which provide way for Guest lecturers from industry personnel, exchange of expertise between industries and institution, technical work shops, internships, projects, consultancy etc., for the student community and teaching fraternity as well.
The list of MOU with industries are given detail in criterion 3.7.2

Publication of student magazines

The department encourages all its students to publish their literary and technical articles in the form of magazines. The purpose of the magazine is to facilitate students to express their thoughts and ideas freely and also to develop and grind their other skills in all activities. Students are also motivated to publish their articles in Symposia / National and International Conferences and journals conducted by other organizations.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

Many students have a true entrepreneurial spirit. Our college supports, and inspires student entrepreneurs. It recognizes and awards students for their entrepreneurial spirit and exemplary business plans. All these activities and

initiatives are taken care by Entrepreneurship Development Cell (EDC). The college has set up an Entrepreneurship Development Cell (EDC), to create the awareness among the students to become entrepreneurs. In order to nurture the idea of entrepreneurship among the students EDC functions effectively. The EDC,

- Provides information on various job-openings, training facilities, admission requirements for courses in various Universities and National Institutes, Competitive Examinations, Fellowships and Financial Assistance.
- Maintains career information room and disseminates occupational information.
- Arranges career oriented lectures by expert speakers from business, industry and Government agencies on professions which are in demand and also arranges industrial visits for College students.
- Many CEOs and CFOs from various multinational companies visit our campus and deliver guest lectures, thus motivating our students to develop entrepreneurial skills.
- Experts from financial institutions like Nationalized Banks, MSME, TIDCO, SIPCO etc. are invited to help students learn how to prepare a business plan.
- Case Studies of role models and renowned business people like Steve Jobs, Bill Gates, Ambani, Tata, Birla, Wallmark and the like are discussed in classes.
- To organize E-awareness camps and EDP, both within and outside the campus for the benefit of our students
- To guide and assist prospective entrepreneurs on various aspects such as preparing a project report, obtaining project approvals, funds and facilities from agencies, and support system information on technologies etc. Encourages and supports startups during study.

The EDC is monitored by the following faculty members,

- Dr.S.Manimaran – Professor and Head-Department of MBA.
- Mr.P.S.Venkateswaran – Associate Professor, Department of MBA.
- Mr.P.Ilango – Attender, Department of Management Studies

The EDC cell has organized entrepreneurship awareness/development programmes as given below

Table 5.4 Entrepreneurship Awareness/development Programmes

S. No.	Programme	Department & date
1	DST sponsored Seminar on soft skill development and entrepreneurship quality development.	MCA- 04.05.2016
2	Entrepreneurship Awareness Programme	BME - 29.4.16
3	Entrepreneurship Awareness Camp 1	ECE-03/12/12– 5/12/12
4	Entrepreneurship Awareness Camp 2	ECE-03/10/13– 5/10/13
5	Entrepreneurship Awareness Camp 3	ECE-15/09/14– 7/09/14
6	Entrepreneurship Awareness Camp 4	ECE-03/03/16–05/03/16
7	Entrepreneur development program	CSE-22.07.10
8	Entrepreneurship Awareness Programme	CSE-12.10.12

9	Communication Development programme	IT-11.09.15
10	Entrepreneur Awareness Camp	MBA -21.03.16-24.03.16
11	Entrepreneur Awareness Camp	MBA -18.08.14- 20.08.14
12	Entrepreneur Awareness Camp	MBA -09.10.13-11.10.13
13	Entrepreneur Awareness Camp	MBA-27.12.12-29.12.12
14	Entrepreneur development programme	MBA-02.12.13-30.12.13
15	Entrepreneur development programme	MBA-03.12.12-05.01.13
16	Women empowerment development programme	MBA-03.11.14-09.12.14
17	Faculty development programme	MBA-11.02.13-23.03.13
18	Faculty development programme	MBA-20.01.14-31.01.14
19	Faculty development programme	MBA-08.12.14-20.12.14
20	Technical entrepreneurship development programme	MBA-11.03.13-27.04.13
21	Technical entrepreneurship development programme	MBA-17.03.14-27.04.14
22	Technical entrepreneurship development programme	MBA-02.02.15-18.03.15

The following table shows the impact of the above efforts

Table 5.5 List of Entrepreneurs Promoted by Entrepreneurship Development Cell

Name of the Student	Product/ services	Location
Mr.S.BALAMURUGAN,Treasury colony, Nanthavanampatty, Dindigul	Retail Store	Dindigul
Ms.MENAKA 121.Bharathinagar, Ottanchatram	Retail Store	Oddanchatram
Mr.M.KASIVISWANATHAN 22, Puthusalai, Kallimanthyam	Retail Store	Kallimanthyam
Mr.N.MURUGASEN 36. ghanithi Nagar, Dindigul	Retail Store	Dindigul
Veeraramani. K 2548. Vairavapuram, III st North, Cecri- Post, Karaikudi- 6	Photo studio	Dindigul
Chidambaram A.P A59, Kurinji Nagar, Dharapuram Road,Oddanchartam- 624619	Video editing	Oddanchartam-
No-3, Kavicholai, Royal City, Soundararaja Mills Road, Nagalnagar - (po), Dindigul	Mobile shop	Dindigul
Raja Sekaran.P 43-1/7, Hussain Sahib street, Anbu Nagar, Anna Nagar, Madurai- 625 020	Video editing	Madurai
Vijay karthigeyan M.B Moorthinackianpatti, Sirunackianpatti (po), A.Vellodu(Via), Dindigul	Video editing	Dindigul
Radhakrishnan .A.M. 22/1, LGB Compound 1st street, Dindigul	Mobile shop	Dindigul

Nagarajan. P 301, S/o V. Pandian,Balaji Nagar, Railway Feeder Road, Andipatty, Theni	Mobile shop	Theni
Rajkumar. G 61/12F Sahayamatha Street, Gnanaolipuram, Madurai-16	Photo studio	Madurai
Mrs.S. Eeeswari 100/120 Periya Iangulam, 3rd Street, Dindigul	Computer centre	Dindigul
Mrs.R.Sharmila 5/588 C, EB Colony, Thiruvalluvar Valagam, Dindigul	Computer centre	Dindigul
Mr. C.Murugan, 5/78, Ammapatty,Samudrapatty (Po) Natham	Computer Hardware	Natham
Mr. S.Shakul Hameed 5/43,South street, Chatrapatti, Oddanchatram	Computer centre	Oddanchatram
Mr. M. Kumarasamy, 64, East car street, Dindigul	Computer accessories	Dindigul
Mr. A.Murugesan, 5/568, II Sri Ramar colony,P.K.Pudur (Po),Near NGO colony, Dindigul – 624 005	Hardware Computer accessories	Dindigul
Mr. M.Thangarasu, 9, Palaniappar street,Sri ramapuram(Po),Dindigul	Computer accessories	Dindigul
Mr.S.Subbiah,Old No.21/8, New No.40,Kunjanampatty,Kuttathupatty (Po),Begampur (Via),Dindigul (Dt) 624002	Mobile shop	Dindigul

Entrepreneurship programme-2013   **Entrepreneurship programme-2014**

5.1.6 **Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.**

- ▪ **additional academic support, flexibility in examinations**
- ▪ **special dietary requirements, sports uniform and materials**
- ▪ **any other**

The Institution has evolved Policies and strategies to throw open various opportunities that will help the student become a responsible

citizen.Policies and strategies of the institution are framed in such a way to promote the participation of the students in extracurricular and co-curricular activities and to motivate maximum number of students to participate in such an events.The institution has supportive environment to encourage students to participate in activities of their interest.Symposiums, NSS, RRC, Blood donation camps, sports and Project Competitions are organized every year.

Additional academic support

Additional classes and retests are provided to the students who participate in NSS, Cultural and Sports activities. To make-up for the lost class hours, special classes are arranged. Extra coaching classes to needy students are also conducted.

Flexibility in examinations

The students who participate in various programmes like seminars, symposiums, conferences, workshops, sports related programmes are given retests and assignments as part of flexibility in examination.

Sports uniform and materials

All college sport persons are provided with sports uniform. The design of sportswear depends on the sports or games in which the students participate.They are also provided with sports kit to effectively participate in the competitions.

Various committees have been constituted to enhance the students' participation in extracurricular and co curricular activities. The details are given in detail in section 1.3.4.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

Yes, Coaching classes for the competitive exams like TANCET / GATE/ GRE, Civil Service Examinations are conducted in the departments which will be useful for the students to get qualified in the examinations.

Separate faculty is identified in each department for co-ordinating career guidance and counseling. External human resources are utilized for conducting coaching classes for TANCET / GATE/ GRE etc. by each department.

Students interested in higher studies are required to register during the 3rd year/final year of study and special coaching is organized for such students' after the end of the regular hours of the college.

Sustained efforts in providing career guidance have resulted in the last 3 years and the no. of students joining for higher education in post graduation programme has increased in the last couple of years.

Table 5.6 No. of students Qualified in Various Competitive Exams

Year	GATE	CAT	GRE	TOEFL	GMAT	IELTS	TAN CET	Central Services	State Services
2015-16	22	6	8	8	7	5	1	6	3
2014-15	20	8	8	8	3	2	3	2	1
2013-14	15	4	4	5	2	3	2	-	1
2012-13	36	3	2	3	2	1	2	1	20

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)

Academic Counseling

Yes, the college has an independent system for the student support and mentoring.

Tutor scheme

It gives emotional support to the students and lessens their anxiety. In this scheme, batches of about 20 students are assigned to each faculty of the institution. Tutor hour is allotted once in a week to discuss their academic, personal problems, co-curricular and extracurricular activities. Moreover, the tutors are available all the time to support and counsel the students even for their personal problems.

The tutor is constantly in touch with the parent/guardian of the respective students through phone calls and text messages. Tutor maintains the complete profile of the students to monitor the growth of the students.

Each class will be allotted with a faculty advisor, batch coordinator for academic and personal guidance. The duties of these officers are to carefully monitor the student activities like regularity of attendance, participation in co curricular and extracurricular activities and the performance of the students in internal assessment tests and semester examinations.

Personal Counseling

The students are free to contact the tutor with a wide range of problems such as academic and also personal problems, home, family, relationships, depression, anxiety and loneliness. The tutor addresses and responds to all the academic and nonacademic challenges of the students.

Psycho-social counseling

Students with personal/family problems are given counseling and support by a Professional counselor available in the institution.

Career counseling

The Placement and Training Cell guides the students in respect of their career prospects. The necessary training programmes in soft and other skills development have been arranged under the aegis of Placement Cell which includes experts from industry as trainers.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes, there is a structured mechanism for career guidance and placement of its students in the name of Training and Placement Cell(TCP)

The TCP cell extends its service to the students in career guidance counseling, organizes lectures concerning career planning and invites companies for campus recruitment.

TCP cell conducts need based competency building programmes and company specific training programmes for the final year students and organizes training programmes on aptitude, Group discussion and interview techniques for prefinal year students to equip them to face campus recruitment. Also, it organizes career awareness programmes for second year students to choose their right careers.

In addition to that, it organizes inplant training, communicative English course for the students. Excellent contacts with companies nearby for In-plant Training.

Fully fledgd placement & training cell with a full time TPO with industrial experience is supported by one faculty co-ordinator and two students from each department.The institution has advanced infrastructure and sufficient audio-visual aids for conducting online aptitude tests, placement trainings and campus interviews.Air-conditioned auditoriums to conduct Pre-Placement Talk with different seating capacities with audio-visual equipments.

Because of sustained efforts we can see the no. of placements and quality of placement increasing year by year.

Table 5.7 Placement Details for Past 4 Years

Branch/Year	2013	2014	2015	2016 as on 31.05.16
Civil	17	2	43	48
Mech.	21	85	100	134
ECE	61	53	139	241
EEE	50	43	82	127
CSE	94	74	143	174
IT	60	65	109	141
BME	36	55	38	38
MBA	56	101	101	98
MCA	23	8	37	49
M.E.(CSE)	1	0	5	5
M.E. (A.E.)		0	2	1
M.E. (PED)		0	3	0
M.E.(C&C)		0	0	
ME (CSE – NW)		-	-	3

		0	0	-
M.E.(RS)		0	0	-
M.E. (VLSI)		0	4	1
M.E.(S.E)		1	0	4
M.E.(E.D)		0	3	1
Total	**419**	**487**	**809**	**1065**

Table 5.8 Lists of Employers and the Programmes 2016 Batch as on 31.05.2016

NAME OF THE COMPANY	Civil	Mech	ECE	EEE	CSE	IT	BME	Grand Total
M/s. Chargebee Technologies, Chennai						1		**1**
M/s. iNautix Technologies Limited, Chennai		4	16	9	20	15		**64**
M/s. Wipro Limited, Chennai		9	30	15	23	26	1	**104**
M/s. Cognizant Technology Solutions, Chennai	17	25	60	27	53	42	17	**241**
M/s. Uni Logic Technologies, Coimbatore			1		1			**2**
M/s. Tech Mahindra	2	1	1		3	2		**9**
M/s. Just Dial (JDA), Chennai								
M/s. Vernalis Systems, Chennai			2		4			**6**
M/s. Rajsriya Automotive Industries Pvt. Ltd., Chennai		22						**22**
M/s. IVTL Infoview Technologies Pvt. Ltd, Chennai					4	6		**10**
M/s.VWR Labs Products Pvt. Ltd, Coimbatore							2	**2**
M/s.Vee Technologies, Bangalore							14	**14**
M/s.IWS Solutions, Chennai			1					**1**
M/s.Polaris Services Ltd, Chennai			1			1		**2**
M/s. Gemini Communication, Chennai			43	28				**71**
M/s.Eureka Forbes, Chennai			16	14				**30**
M/s.Tessolve Semiconductor Pvt. Ltd, Coimbatore			1	2				**3**
M/s. Infosys Limited, Chennia			2		1			**3**
M/s.Aqua Pure Plus, Chennai			22	5				**27**
M/s.Accurate Steel Forgings India Ltd, Chennai		37						**37**
M/s.Tamil Nadu Engineering Association Company, Chennai	12							**12**
M/s. Sutherland Global Services, Chennai	3	1	8	2	9	9		**32**
M/s. Soft Drizzles Solution, Chennai					2	3		**5**
M/s. Hinduja Global Solutions, Chennai	3	3	18	9	19	9	2	**63**
M/s.Unisol India Pvt Ltd, Chennai		15						**15**
M/s AXIS Global Automation, Chennai			10	11				**21**
M/s.AEE. BEE Academy	5	1	3	3	8	17	1	**38**
M/s.Arihant Duraplast Pvt. Ltd, Chennai		15						**15**
M/s. i2 Software Tech Solutions, Coimbatore			5		9	1		**15**

M/s.Karya Technologies, Chennai						1	**1**
M/s. Lescoincierges, Bangalore	4	1		1	7	3	**16**
M/s. Mteducare, Chennai				1	2	2	**5**
M/s. Serco Global Solutions, Chennai	2		1	2	3	1	**9**
M/s. IDBI Federal Life, Coimbatore				7			**7**
Grand Total	**48**	134	241	127	174	141	**38**	**903**

NAME OF THE COMPANY	MCA	MBA	M.E. AE	M.E. CSE	M.E. CS-NW	M.E. ED	M.E. SE	M.E. VLSI	Grand Total
M/s. Cognizant Technology Solutions, Chennai	16		1	5	3	1	4	1	31
M/s. Tech Mahindra	1								1
M/s. Just Dial (JDA), Chennai		9							9
M/s. Vernalis Systems, Chennai	1								1
M/s. Wipro Technologies, Chennai (MCA)	8								8
M/s. Soft Drizzles Solution, Chennai		2							2
M/s. Kotak Mahindra		1							1
M/s. Dream Gains, Bangalore		5							5
M/s. Vertx Solutions, Chennai		6							6
M/s Ask Me .Com		2							2
M/s. Life HR Solutions, Coimbatore		4							4
M/s.Aqua Pure Plus, Chennai		13							13
HBL, Chennai		22							22
M/s MTR Foods, Bangalore		2							2
M/s AVT Foods, Chennai		1							1
M/s.Osstem Implant, Bangalore		1							1
M/s AXIS Global Automation, Chennai		5							5
M/s.AEE. BEE Academy	5								5
M/s.Appco Groups, Trichy		5							5
M/s.ITS Solutions, Chennai		13							13
M/s. Lescoincierges, Bangalore	4								4
M/s. Mteducare, Chennai	1								1
M/s. Serco Global Solutions, Chennai	1								1
M/s. Sharp, Chennai		4							4
M/s. IDBI Federal Life, Coimbatore	4	3							7
M/s.Concentrix, Bangalore	8								8
Grand Total	**49**	**98**	**1**	**5**	**3**	**1**	**4**	**1**	**162**

PLACEMENT DETAILS - 2015 BATCH

NAME OF THE COMPANY	Civil	Mech.	ECE	EEE	CSE	IT	BME	Grand Total
M/s. Cognizant Technology Solutions, Chennai	10	23	39	29	48	38	3	**190**
M/s. Wipro Limited, Chennai	1	2	19	17	30	12	1	**82**
M/s. iNautix Technologies Ltd, Chennai		1	7	6	12	3		**29**
M/s. Vernalis, Chennai			1		1	2	1	**5**
M/s. Acheron Technology Solutions and Consulting, Hyderabad						1		**1**

Name								Total
M/s. Mind Tree, Chennai				1		1		**2**
M/s. Accenture Services Pvt. Ltd., Bangalore			5	2				**7**
M/s. Infosys Limited, Bangalore			2	3	3	2		**10**
M/s. Vernalis, Chennai					1			**1**
M/s. IBM India Pvt. Ltd., Bangalore					1			**1**
M/s. Maveric Systems Limited, Chennai			3	1	5	2		**11**
M/s. Caprice Technologies, Coimbatore						1		**1**
M/s. NTT Data, Bangalore		2				1		**3**
M/s. Infosys Limited, Bangalore				1				**1**
M/s. SRM Technologies Limited, Chennai						2		**2**
M/s. A&T Video Networks Pvt. Ltd., Madurai			3					**3**
M/s. RRP Housing, Chennai	4							**4**
M/s. HCL Technologies, Chennai				1	2	1		**4**
M/s. Polaris Group, Chennai				1	2	1		**4**
M/s. VST Motors, Chennai		8						**8**
M/s.Aricent Technologies Ltd, Chennai			1					**1**
M/s. Volante Technologies, Chennai					1	2		**3**
M/s. AEE.BEE Academy, Coimbatore			24	9	20	23		**76**
M/s. Apptivo Software Pvt. Ltd., Madurai					5	4		**9**
M/s. FACE, Coimbatore			3		2	1	1	**7**
M/s. LNReddy Realty India Pvt. Ltd., Bangalore	13							**13**
M/s. Rajsriya Automotive Industries Pvt. Ltd., Chennai		18						**18**
M/s. RRP Housing, Chennai	15							**15**
M/s. Sri Energy Valves Pvt. Ltd., Pudukottai		7	2			3		**12**
M/s. Sutherland Global Services, Chennai		2	25	9	4	8	2	**50**
M/s. Trident Automobiles Pvt. Ltd., Bangalore		30						**30**
M/s. Vee Technologies, Bangalore		1	4	3	6	1	23	**38**
M/s. Visionary RCM Infotech Pvt. Ltd., Chennai							6	**6**
M/s. VST Motors, Chennai		6						**6**
M/s. VWR International Limited, Coimbatore							1	**1**
Grand Total	**43**	**100**	**138**	**83**	**143**	**109**	**38**	**654**

NAME OF THE COMPANY	MBA	MCA	M.E.					Grand Total
			AE	CSE	ED	PED	VLSI	
M/s. Cognizant Technology Solutions, Chennai		13	2	5	3	3	4	**30**
M/s. Wipro Limited, Chennai		3						**3**
M/s. Vernalis, Chennai		2						**2**
M/s. Acheron Technology Solutions and Consulting, Hyderabad		1						**1**
M/s. Aditya Birla Retail Limited, Chennai	14							**14**
M/s. IDBI Bank, Dindigul	6							**6**
M/s. IDBI Federal Insurance, Coimbatore	14							**14**

M/s. ITS Solutions (Polaris Group), Chennai	19						**19**
M/s. SRM Technologies Limited, Chennai	1						**1**
M/s. Unwind Labs, Chennai	3						**3**
M/s. NIIT, Dindigul		5					**5**
M/s. Wipro Limited, Chennai		8					**8**
M/s. SRM Technologies Limited, Chennai		1					**1**
M/s. RRP Housing, Chennai	5						**5**
M/s. HCL Technologies, Chennai		1					**1**
M/s. VST Motors, Chennai	8						**8**
M/s. Volante Technologies, Chennai		1					**1**
M/s. Axis Bank, Dindigul	3						**3**
M/s. Care IT Solutions, Chennai	11						**11**
M/s. Empire Management	1						**1**
M/s. J-Health Care India, Chennai	1						**1**
M/s. Master Mind Consultancy	3						**3**
M/s. Mean Median Mode, Coimbatore	1						**1**
M/s. Rank Agro, Chennai	1						**1**
M/s. Sutherland Global Services, Chennai		2					**2**
M/s. VST Motors, Chennai	10						**10**
Grand Total	**101**	**37**	**2**	**5**	**3**	**3**	**4**	**155**

PLACEMENT DETAILS - 2014 BATCH

Name of the Company	Civil	Mech.	ECE	EEE	CSE	IT	BME	Grand Total
M/s. Accurate Steel Forgings India Ltd., Chennai		39						**39**
M/s. Aditya Trading Solutions, Coimbatore								
M/s. Apptivo Software Pvt. Ltd., Madurai			4		2	4		**10**
M/s. Bounce Academy, Chennai								
M/s. Care IT Solutions Pvt. Ltd., Chennai			13		15	22		**50**
M/s. Coastel Energen Pvt. Ltd., Tuticorin		1		1				**2**
M/s. Cognizant Technology Solutions, Chennai			1	6	8	4		**19**
M/s. CommVault Systems (India) Pvt., Ltd., Bangalore					1			**1**
M/s. Dell Inc., Coimbatore						21		**21**
M/s. Espros Technology Consultants Pvt. Ltd., Chennai					5			**5**
M/s. Eversendai Construction Private Limited, Chennai	1							**1**
M/s. GE Oil and Gas Tessel Volve Pvt. Ltd., Coimbatore		1						**1**
M/s. Hexaware Technologies, Chennai			1	3	1			**5**
M/s. I.H.T. Industries		1						**1**
M/s. iGATE Global Solutions Ltd., Chennai						2		**2**
M/s. iNautix Technologies Limited, Chennai	2	5	3	3	3	1		**17**
M/s. Infosys Limited, Bangalore				2		2		**4**
M/s. Kochar Infotech Pvt. Ltd., Chennai			11	12			9	**32**
M/s. L&T Infotech, Chennai			1	1	1	2		**5**
M/s. Medic India, Chennai							6	**6**
M/s. Orgware Technologies, Chennai					5	6		**11**
M/s. Precision Engineering, Chennai		20						**20**
M/s. S.L.Lumax, Chennai		1						**1**
M/s. Scope International, Chennai		3	1	3	3	5	1	**16**

Name of the Company	Civil	Mech	ECE	EEE	CSE	IT	BME	Grand Total
M/s. Solartis Technology Services Pvt. Ltd., Madurai			1		1			2
M/s. South Indian Bank, Thrissur					1			1
M/s. Spark Minda, Chennai				1				1
M/s. SRM Technologies Pvt. Ltd., Chennai					10	7		17
M/s. Sundaram Fasteners Limited, Chennai		8						8
M/s. Syntel Inc, Chennai						1		1
M/s. Tata Consultancy Services, Chennai		4	9	6	7	5		31
M/s. Tata Elxsi, Bangalore			1					1
M/s. Techsaisys Global Services, Chennai			1					1
M/s. Teezle Telematics, Chennai			2		1	4		7
M/s. Tessolve Services, Bangalore				2				2
M/s. Veryx Technologies, Chennai					1			1
M/s. Visionary RCM Infotech India Pvt. Ltd., Trichy							15	15
M/s. Wipro Technologies, Chennai		2	4	3	7	2	1	19
M/s. ZOHO Corporation, Chennai					1			1
M/s.Bosch, Coimbatore					1			1
Grand Total	**3**	**85**	**53**	**43**	**74**	**65**	**55**	**378**

Name of the Company	MBA	MCA	Grand Total
M/s. Aditya Trading Solutions, Coimbatore	11		11
M/s. Bounce Academy, Chennai	1		1
M/s. Care IT Solutions Pvt. Ltd., Chennai	10		10
M/s. Cognizant Technology Solutions, Chennai		1	1
M/s. Godrej	2		2
M/s. HDFC Bank, Chennai	12		12
M/s. Hero Motors, Dindigul	1		1
M/s. Hindustan Unilever Limited (Finance), Dindigul	1		1
M/s. Hindustan Unilever Limited (Marketing), Dindigul	1		1
M/s. IDBI Federal Insurance Co. Ltd., Coimbatore	22		22
M/s. IndusInd Bank, Chennai	1		1
M/s. IndusInd Bank, New Delhi	1		1
M/s. ITS Solutions, Chennai	3		3
M/s. Kodak Mahindra, Coimbatore	1		1
M/s. Linfox Logistics India Pvt. Ltd., Chennai	1		1
M/s. Nokia Mobiles, Dindigul	1		1
M/s. Orgware Technologies, Chennai		3	3
M/s. Pandian Foods, Madurai	7		7
M/s. Pepsi	1		1
M/s. Scope International, Chennai	4	2	6
M/s. Shoppers Stop, Coimbatore	4		4
M/s. Stanfab Apparels India Pvt. Ltd., Chennai	1		1
M/s. Tata Consultancy Services, Chennai		2	2
M/s. VVV Synergy	15		15
Grand Total	**101**	**8**	**109**

Placement Details - 2013 Batch

Name of the Company	Civil	Mech	ECE	EEE	CSE	IT	BME	Grand Total
M/s. Shriram EPC Limited, Chennai	5							5
M/s. Aries Biomed Technology, Coimbatore							1	1
M/s. CPC Diagnostics Pvt. Ltd., Chennai							2	2
M/s. DELL Inc., Coimbatore							12	12

Name of the Company								Grand Total
M/s. HCL Bserv, Chennai			3	6	4	1		**14**
M/s. HCL Technologies Limited, Chennai			13	14	26	15		**68**
M/s. Health Mantra India Ltd., Bangalore							1	**1**
M/s. iNautix Technologies India Pvt.Ltd., Chennai	3	4	4		4	3	2	**20**
M/s. Soliton Technologies Pvt. Ltd., Bangalore				1				**1**
M/s. SRM Technologies Pvt. Ltd., Chennai			5	1	2	4		**12**
M/s. Tata Consultancy Services, Chennai		11	26	15	49	31	5	**137**
M/s. Tech Mahindra, Chennai		2						**2**
M/s. Wipro Technologies, Chennai	9	4	10	13	9	6	12	**63**
M/s. South Indian Bank, Thrissur							1	**1**
Grand Total	**17**	**21**	**61**	**50**	**94**	**60**	**36**	**339**

Name of the Company	MBA	MCA	M.E. CSE	Grand Total
M/s. Acliv Technologies, Chennai		1		**1**
M/s. ATS	8			**8**
M/s. Axis Bank	6			**6**
M/s. Ceasfire Industries Limited, Chennai	4			**4**
M/s. GALAXY	2			**2**
M/s. HCL Bserv, Chennai		1		**1**
M/s. HCL Technologies Limited, Chennai		7		**7**
M/s. HDFC LIFE	9			**9**
M/s. ICICI PRUDENTIAL	5			**5**
M/s. iNautix Technologies India Pvt.Ltd., Chennai		1		**1**
M/s. India Infoline	14			**14**
M/s. KARVY	2			**2**
M/s. MAC	2			**2**
M/s. SIMPBIZ SOFTWARE SOLUTIONS	1			**1**
M/s. Smart Training Resources, Chennai	1			**1**
M/s. South India Action Logistics	2			**2**
M/s. Tata Consultancy Services, Chennai		12	1	**13**
M/s. Wipro Technologies, Chennai		1		**1**
Grand Total	**56**	**23**	**1**	**80**

Placement Drive Photos

M/s. iNautix Technologies India Pvt.Ltd., Chennai

M/s. Wipro Technologies, Chennai

M/s. Cognizant Technology Solutions, Chennai

M/s. Tech Mahindra, Chennai

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

Yes. The college has a positive approach towards the students and has set up a grievances redressal committee. The students are free to bring any grievance to this committee and the committee redresses the grievances. The grievance redressal cell is constituted as per AICTE norms and the students' grievances are addressed to HoDs/the Principal. General issues related to class room teaching, library, e-sources, canteen, hostel, hostel mess & transportation resolved by the cell.

The basic function of the cell is to discuss the grievances received from agrieved students and submit the report to the Principal, with recommendations. Our college also has a tutor system for guidance and counseling. The students can approach the tutors for any redressal of grievances. Because of the above mentioned actions, there are no grievance reports received till date. The complaint/ suggestion box is placed in the Reception of the campus.

The composition of members of the committee is given in the below table.

Table 5.9 Grievance Redressal Committee Cell Members

SI.No	Name	Category	Designation	Phone No.	e-mail ID
1	Dr. N.Mahendran	Convenor	Dean-Academic	98421-54139	hodcivil@ psnacet.edu.in
2	Dr.V.Rajasekaran	Member	Dean -Admin	94431-63845	hodeee@ psnacet.edu.in
3	Dr.Ve.Jayanthi	Member	HOD-BME	91509-13303	hodbme@ psnacet.edu.in
4	Dr.R.Muthuraj	Member	Professor- Maths	0451-2554032	contact@ psnacet.edu.in
5	Dr.G.Magudeeswaran	Member	Professor-Mech.	0451-2554032	contact@ psnacet.edu.in

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

An Anti-Sexual Harassment Cell functions in the college under the guidance of senior lady teachers. The Girls students are free to talk to them, and the information is kept in confidence.

The cell encourages and motivates the students to address sexual harassments to its members. All the first year student are met individually to keep them aware of the cell and its work, other year students representatives are called for the meetings to address any issues if exist. The cell takes immediate action in resolving issues pertaining to sexual harassment. However no such instances have been reported in the college so far.

Table 5.10 Anti Sexual Harassment Cell Committee Members

Sl. No	Name	Category	Phone no.	E-Mail ID
1	Dr. K.Vijaya	Chairperson	90035-84330	hodchemistry@ psnacet.edu.in
2	Dr.G.Athisha	Member	94424-62056	hodece@ psnacet.edu.in
3	Dr.D.Shanthi	Member	95974-18317	hodcse@ psnacet.edu.in
4	Dr. G. Natarajan	Member	0451-2554032	hodphysics@ psnacet.edu.in
5	Mr.Y. M. Siddaramaiah	Member	0451-2554032	contact@ psnacet.edu.in
6	Dr.N.Murugan	Member	0451-2554032	contact@ psnacet.edu.in
7	Mrs.Vijayalakshmi	Member	0451-2554032	contact@ psnacet.edu.in
8	Mrs. Shanthi	Member	0451-2554032	contact@ psnacet.edu.in
9	Mrs. N. Tamilmalar	Member	0451-2554032	contact@ psnacet.edu.in
10	Ms. M. Ragavi	Final year Student member	0451-2554032	contact@ psnacet.edu.in
11	Ms.Dollay Vandana	Final year Student member	0451-2554032	contact@ psnacet.edu.in

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes, the Institution has an anti-ragging committee.

The Anti-Ragging committee maintains a strict vigil on the campus, Hostel, Canteen, at bus stops and buses to prevent ragging. Students are instructed not to indulge in activities of ragging.

Every year, a circular in this regard is circulated before the commencement of first year classes. Also caution boards are kept at prominent locations of the campus and the same is displayed in the notice board.

It is evident that senior professors are a part of the committee. Services of committee members are utilized towards counseling of both junior and senior students and also educating senior students about what constitution tells about ragging as per the latest UGC guidelines. Both parents and senior students swear in an affidavit before the commencement of the academic year.

The Anti-Ragging Committee/Squad consisting of the following faculty members is constituted by the Principal to monitor and to avoid any kind of ragging incidents. The committee members make visits to Hostels, Canteen, Class rooms, Libraries, Temple, Bus Stop, Play ground and Gymnasium, etc. every day during mornings, intervals and evenings to see that senior students are restrained from involving in ragging in any form.

No ragging instances have taken place since the inception of this institute.

Table 5.11 Anti-Ragging Committee Members

Sl. No	Name of the Faculty Member	Designation & Department	E.mail.ID	Cell Phone No
01	Dr.V.Soundararajan	Principal	principal@psnacet.edu.in	0451-2554404
02	Mr. P. Chinnakalai	Registrar	registrar@psnacet.edu.in	94431-63842
03	Dr. N.Mahendran	HOD – Civil	hodcivil@psnacet.edu.in	98421-54139
04	Dr.V.Seerengasamy	HOD-Maths	hodmaths@psnacet.edu.in	99424-52018
05	Dr. G.Natarajan	HOD – Physics	hodphysics@psnacet.edu.in	92451-67027
06	Dr. K.Vijaya	HOD – Chemistry	hodchemistry@psnacet.edu.in	90035-84330
07	Dr. Joseph Thomas	HOD – English	hodenglish@psnacet.edu.in	94434-12145
08	Dr. K.Mahadevan	Prof., - EEE	mahadevan@psnacet.edu.in	98656-15300
09	Dr. R.Kannan	Prof., - Mech.	rkannan@psnacet.edu.in	93444-24404
10	Dr. G.Magudeeswaran	Prof., - Mech.	magudeeswaran@yahoo.com	99762-81530
11	Dr. K.Meena @Jeyanthi	Prof., - ECE	meena.jeyanthi@gmail.com	98940-82745
12	Dr. S.Vimala	Prof., - Civil	vimhari@yahoo.co.in	94423-61143
13	Dr. M.Murugan	Prof., - MBA	nm1968in@yahoo.co.in	94438-04692
14	Dr. P.Ganesh Kumar	Prof., - IT	msg2ganeshkumar@gmail.com	99941-39297
15	Dr. A.Nagarajan	Prof., - Maths	nagarajan-la@yahoo.co.in	94438-32972
16	Dr. V.Paramasivam	Prof., - Mech.	pudidha@yahoo.com	94420-33717
17	Dr. V.Devendran	ASP., - MCA	svdevendran@yahoo.com	98426-64569
18	Dr. S.Anuradha	ASP-CHM	smradha73@gmail.com	94441-89578
19	Dr. G.Sivakumar	Librarian	library@psnacet.edu.in	94420-35618
20	Dr. T.Rajendran	Prof. In-charge of Hostels	trajan602012@gmail.com	98421-46791

<u>Sample Circular and Undertaking form collected from students</u>

5.1.13 Enumerate the welfare schemes made available to students by the institution

- All students are covered by Group insurance.
- Subsidized canteen facilities.
- Subsidized transport facilities, our transport facilities ensure that our students and faculty members are able to reach the college in time.
- Student counseling centre.
- Scholarship schemes to financially weak students.
- The College shares the health care facilities.
- Student motivational scheme like personality development programme including soft skills and communication skills, with the help of specially trained counselors.
- Add-on library cards for meritorious students
- Stationery and students Xerox are available within the campus.
- ATM facility is available
- Library is open before and after the college hours (8 A.M to 8 P.M)
- Internet facility in college and Wi-Fi Connection in the hostel
- Internet lab for day scholar beyond working hours
- The institute executes MOUs with leading industries for enabling the students to get the opportunity to do their project with the real time problem of the industry.
- Provisions are given to the students to pay their tuition fees in installments, if required.
- The institute has a book-bank in the library for the benefit of SC/ST and economically weaker students.
- The college provides prizes for the toppers and students with 100% attendance in each and every semester.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

Yes, the College has an Alumni Association. The Alumni Association was established in 1990. Its motive is to bring together all the Alumni to share their experiences and to extend their helping hand and to provide guidance to the budding engineers of the college.

All the passed out students of the college are active members of the Alumni Association. The Alumni are spread around the globe and support the college in various activities. Alumni meet is held at College/Chennai/other states/abroad every semester.

An alumnus contributes to the development of the college in the following ways:

- Feedback on all matters related to the college
- Alumni members residing in various parts of India and abroad share their experiences with staff and students whenever they visit the institution
- An alumnus supports placement activities of the students
- Career Awareness Lectures to their juniors

The institute has alumni database. We invite them to regular functions. The institute invites alumni to give the guest lectures and interact with students to enhance the knowledge and skills of the students.

Table 5.12 Alumni Contributions

Alumni	Batch	Topic Covered	Date of Visit
Renuga devi K, Ph.D Research Scholar, Department of Science & Technology,Periyar University,Salem e-mail ID renuga.star@yahoo.co.in Mobile No.9944437268	2009-2012	How to proceed in Research in Computer Science	15/11/2014
Divin George,Software Engineer, RMESI,Technopark, Trivandram, Kerala,Divin98@gmail.com Mobile No. 09995580394	2007-2010	Job Opportunities in IT Field	06/11/2014
Suresh Kumar M,Web Designer , Cogzidel Technology,Chennai e-mail ID sbmca1@gmail.com Mobile No. 9843210435	2011-2014	Mini Project Ideas	24/10/2014
Thiruppathi Raja R,PHP Developer, Jupiteron Technology,Bangalore. E-mail ID Thiruraja21@gmail.com Mobile No.9940905152	2011-2014	Job Opportunities in IT Field	24/10/2014
Rajasekar S ,.Net Developer, Info System Supply,Ltd,Bangalore e-mail ID sekar.ssr64@gmail.com Mobile No. 9629221921	2011-2014	Job Market – Current Status	24/10/2014
Sumaya Farhath J, .Net Developer, Beasant Technology, Chennai e-mail ID sumaiya.reeh@gmail.com Mobile No.8681881092	2011-2014	Software Project Management	24/10/2014
Yaser Arafath, Managing Director, Royals Catering & Nursing College, Ramanathapuram	2007-2010	How to become An Entrepreneur Ideas	22/08/2014

As a part of our 15th Year RENUION
Crystal Anniversary for the Classmates of (1994-98)
Date: 23.08.2013, Friday   Venue: PSNACET, Dindigul
Venue: MECH/Lecture Hall

MECHANICAL ENGG.

Name of the Alumnae	Topic Name
Shri.N.JayaganeshM.Tech(IITMadras), Principal Engineer, GE India Technical Centre, Banglore, India.	Entrepreneurship Development. (Innovations)
Shri.S.S.Saravanamoorthy M.S, Senior Manager-Central Purchase, TVS Motors Company Ltd., Hosur, India.	My Experience in BAJAJ & TVS Motors with an emphasis on Plastic Technology.
Shri.S.Venkadesh B.E,PGT, Senior Engineer, GE India Technical Centre, Banglore, India.	My Experience in TATA POWER & GE ENERGY with an emphasis on National Power Training Institute (NPTI).
Dr.G.Mahesh M.E,Ph.D, Professor & Head,Easa College of Engg. & Tech, Coimbatore, India.	Emphasis on Ph.D. Research Work
Shri.A.Pugazhenthi M.E,(Ph.D) Asst. Prof,Anna University College of Engineering, Dindigul, India.	About Govt.TRB Exams
Shri.C.Suresh Kumar B.E, Managing Director,KC Milk, Vedasandur	Entrepreneurship
Shri.N.SureshKannan B.E, Managing Director,SPL Textiles, Tirupur.	My Experience in Export Business.
Shri.K.Prabakaran B.E, QA Manager, Emerson, Dubai, UAE.	Quality Control
Shri.J.Vijaya Kumar, Assistant General Manager, Reserve Bank of India,Chennai Branch	Opportunities in Banking Industry [For UG & PG Students]
Shri.L.Senthil Kumar B.E, Manager-MSE & TPM, Delphi TVS Diesel System Ltd.,Chennai	Management Tools towards Manufacturing Excellence
Shri.M.Namasivayam B.E,M.B.A, Manager-Sales & Marking, Spraying Systems India (Pvt) Ltd., Chennai.	Product Development
Shri.S.Gunalan B.E,M.BA, Deputy Manager-SCM, GKN Driveline India Ltd., Pune, India.	Supply Chain Management
Shri.A.N.Ramalingam M.S, Engineer-Automobile,Valeo,Chennai, India.	Automotive Product Development
Shri.T.Narayanan B.E, 3rd Engineer,BIBBY Ship Management,Singapore.	Scope in Marine Engineering
Shri.S.ManikandaMariappan M.E, Performance Improvement & Operational Transformation Expert, Lean Six Sigma Master Black Belt, PMP, MIC, Unipart Expert Practices, UK.	Operational Performance Improvement(Six Sigma)

Electronics and Communication Engineering Venue: ECE Seminar Hall/Lecture Hall

Name of the Alumnae	Topic Name
Shri.Justus Gnanakumar B.E, M.B.A, Proprietor, CADD CENTRE, Tirunelveli-1.	Electronic Design Automation (EDA Platform)
Shri.P.Karthikeyan M.S,(Ph.D), Researcher, IBM, Banglore, India.	Topic will cover Career paths in Industry Verticals along with panel Discussions
Shri.A.P.Leo Tony Vinoth Kumar B.E, Consultant (Airport Design), SITA/iBusiness Labs, UK.	
Shri.R.Subburaj B.E, Project Manager, LSI Corporation, Banglore.	
Shri.V.Senthilnathan M.E, Architech, Honeywell Technologies, Banglore.	
Shri.S.Ramakrishnan B.E, Project Manager, Accenture, Pune, India.	

Civil Engineering   Venue: Civil Seminar Hall/Lecture Hall

Name of the Alumnae	Topic Name
Shri.A.Ananda Pandiaraj M.Tech, Asst.Executive Engineer, CSIR-Central Leather research Institute (CLRI), Chennai, India.	UnEmployability – An Awareness
Shri.S.Rajagopal M.Tech,(Ph.D), Additional Chief Engineer,DCPL, Chennai	Become a Successful Design Engineer
Dr.R.Sathish Kumar M.E,Ph.D Asst.Engineer, Tamilnadu Pollution Control Board (TNPCB), Chennai, India.	Career Opportunities in Civil Engg.,
Shri.C.Nandakumar B.E,M.B.A, Manager, HyTech Goodwill Training and Testing Centre Pvt.Ltd., Chennai, India.	Finishing Touch in Civil Engineering
Shri.Selvachandran M.E, Asst.Manager, MOPT MAC DONAL Pvt.Ltd.,Chennai, India.	METRO & TUNNELS
Our Classmates working in Highways Department, Public Works Department.	Panel Discussion on Government Opportunities in Civil Engg.

Alumini Career Awareness Lectures to our Juniors

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

The details of student progression to higher education and employment are represented below:

It is observed that student progressing to employment is more than that of higher education.

Table 5.14 percentage of students progressing to higher education or employment (for the last four batches)

Student Progression	Department	Year			
		2011-12	2012-13	2013-14	2014-15
UG to PG	BME	2	8	11	6
PG to Ph.D.		-	-	-	-
Employed Campus selection		13	12	10	10
Employed Other than campus recruitment		5	8	18	13
Total		20	28	39	29
Student progression in %		33.3	46.7	65	48.3

UG to PG	CIVIL	13	13	21	14
PG to Ph.D.		-	-	-	-
Employed Campus selection		19	17	2	43
Employed Other than campus recruitment		33	30	48	21
Total		64	60	71	78
Student progression in %		80	88.02	89.87	97.50
UG to PG	CSE	19	12	15	10
PG to Ph.D.		-	-	-	-
Employed Campus selection		81	94	74	148
Employed Other than campus recruitment		12	15	31	16
Total		112	121	120	174
Student progression in %		81.75	80.13	75.95	81.3
UG to PG	EEE	06	15	10	11
PG to Ph.D.		-	-	-	-
Employed Campus selection		80	50	43	82
Employed Other than campus recruitment		08	06	08	10
Total		94	71	61	103
Student progression in %		75.20	53.70	37.60	65.60
UG to PG	ECE	07	04	04	01
PG to Ph.D.		-	01	01	01
Employed Campus selection		106	61	53	145
Employed Other than campus recruitment		29	42	35	56
Total		142	108	93	203
Student progression in %		77.59	54.27	41.70	72.66
UG to PG	IT	7	12	17	25
PG to Ph.D.		-	1	-	-
Employed Campus selection		83	61	58	69
Employed Other than campus recruitment		18	35	45	60
Total		108	106	120	154
Student progression in %		92.3	79.5	81.6	93.9
UG to PG	MECH	15	12	17	-
PG to Ph.D.		-	-	NA	NA
Employed		58	21	80	102

Campus selection					
Employed Other than campus recruitment		79	89	53	31
Total		142	122	150	133
Student progression in %		94.67	84.14	87.21	84.18
UG to PG	MBA	-	-	-	-
PG to M.Phil		5	5	3	-
PG to Ph.D.		1	1	2	-
Employed Campus selection		96	82	73	-
Employed Other than campus recruitment		9	6	3	-
Total		111	94	81	-
Student progression in %		92.5	78.3	67.5	-
UG to PG	MCA	-	-	-	-
PG to Ph.D.		-	-	-	-
Employed Campus selection		39	24	8	39
Employed Other than campus recruitment		10	10	12	10
Total		49	34	20	49
Student progression in %		70	37	18	39
UG to PG	M.E Remote Sensing. (PG)	-	-	-	-
PG to Ph.D.		3	-	3	-
Employed Campus selection		3	-	-	-
Employed Other than campus recruitment		4	5	9	3
Total		10	5	12	3
Student progression in %		83.33	100	85.71	100
UG to PG	M.E Structural Engg. (PG)	-	-	-	-
PG to Ph.D.		-	-	-	-
Employed Campus selection		-	-	-	-
Employed Other than campus recruitment		-	14	18	14
Total		-	14	18	15
Student progression in %		-	100	100	83.33

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

The Institution has the reputation of producing excellent academic results with many University Ranks and is one of the leading institutions in the state of Tamilnadu.

Table 5.15 Program Wise Success Rate for the Last 4 years

Department	Batch	Program Wise Success Rate for the Last 4 years			
		No. of students Admitted	No. of Students Reached FinalYear	No. of Students Passed	Pass Percentage
BME	2008-12	67	67	44	65.7
	2009-13	61	61	54	88.52
	2010-14	63	63	50	79.40
	2011-15	50	50	44	88.0
CIVIL	2008-12	80	80	66	82.50
	2009-13	76	68	55	80.88
	2010-14	84	80	67	83.75
	2011-15	83	79	64	81.01
CSE	2008-12	137	137	117	85.4
	2009-13	150	150	128	85.3
	2010-14	158	158	125	79.11
	2011-15	212	212	186	87.73
EEE	2008-12	124	124	104	83.87
	2009-13	130	130	109	83.84
	2010-14	161	161	140	86.95
	2011-15	157	157	124	78.98
ECE	2008-12	142	141	118	83.7
	2009-13	138	138	115	83.3
	2010-14	165	164	115	70.12
	2011-15	219	218	178	81.65
IT	2008-12	132	132	117	88.63
	2009-13	124	124	107	86
	2010-14	147	147	118	80
	2011-15	164	164	140	85.1
MECH	2008-12	151	151	126	83.44
	2009-13	145	145	113	77.90
	2010-14	172	172	131	76.16
	2011-15	158	157	132	84.07
MBA	2012-14	123	120	94	74
	2013-15	109	108	71	61
	2014-16	127	123	83	76.85
MCA	2008-11	119	119	115	96.6
	2009-12	73	70	68	97.1
	2010-13	95	93	87	93.5

	2011-14	119	114	101	88.6
	2012-15	116	125	120	91.3
M.E CSE	2010-12	25	25	25	100
	2011-13	25	24	24	100
	2012-14	25	24	24	100
	2013-15	25	23	23	100
M.E CN/W	2010-12	18	18	18	100
	2011-13	18	18	18	100
	2012-14	18	18	18	100
	2013-15	18	18	18	100
ME AE	2010-12	25	24	24	100
	2011-13	25	25	24	96
	2012-14	25	23	22	95.6
	2013-15	25	24	22	91.7
ME VLSI	2010-12	18	18	18	100
	2011-13	36	36	35	97.2
	2012-14	36	36	35	97.2
	2013-15	36	36	35	97.2
ME SE	2010-12	-	-	-	-
	2011-13	14	14	12	85.71
	2012-14	18	18	17	94.44
	2013-15	18	18	16	88.89
ME PED	2010-12	25	25	25	100
	2011-13	25	25	25	100
	2012-14	24	24	24	100
	2013-15	25	25	25	100
ME RS	2010-12	12	12	11	91.67
	2011-13	5	5	5	100
	2012-14	14	14	13	92.86
	2013-15	3	3	3	100
M.E ED	2011-13	9	9	9	100
	2012-14	7	7	7	100
	2013-15	17	17	17	100

A Comparison on the pass percentage for the last four years

COMPARISON OF PERFORMANCE OF ME COURSES
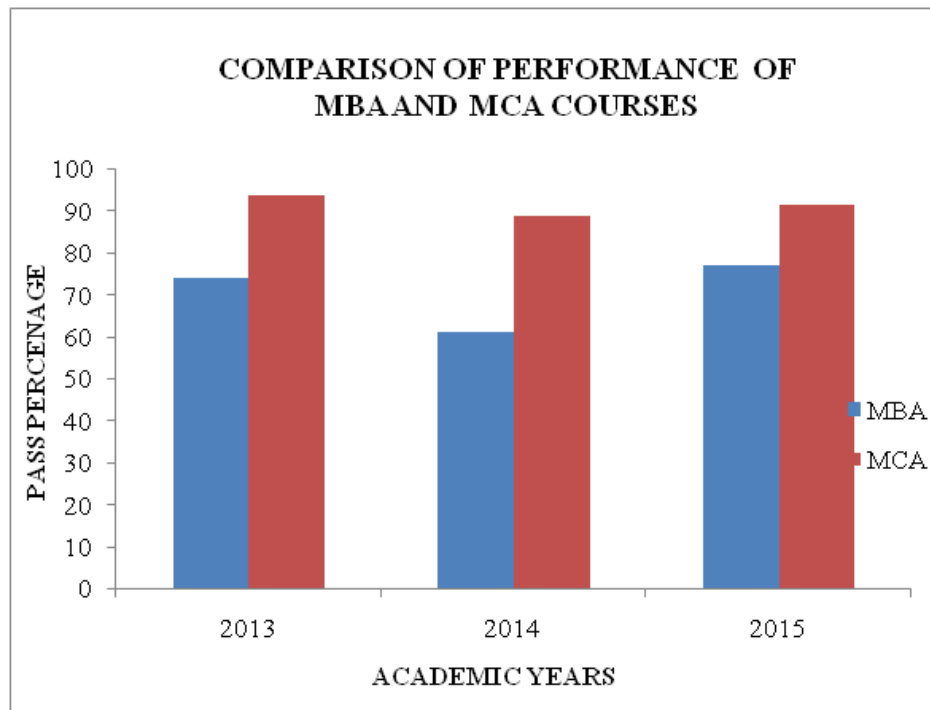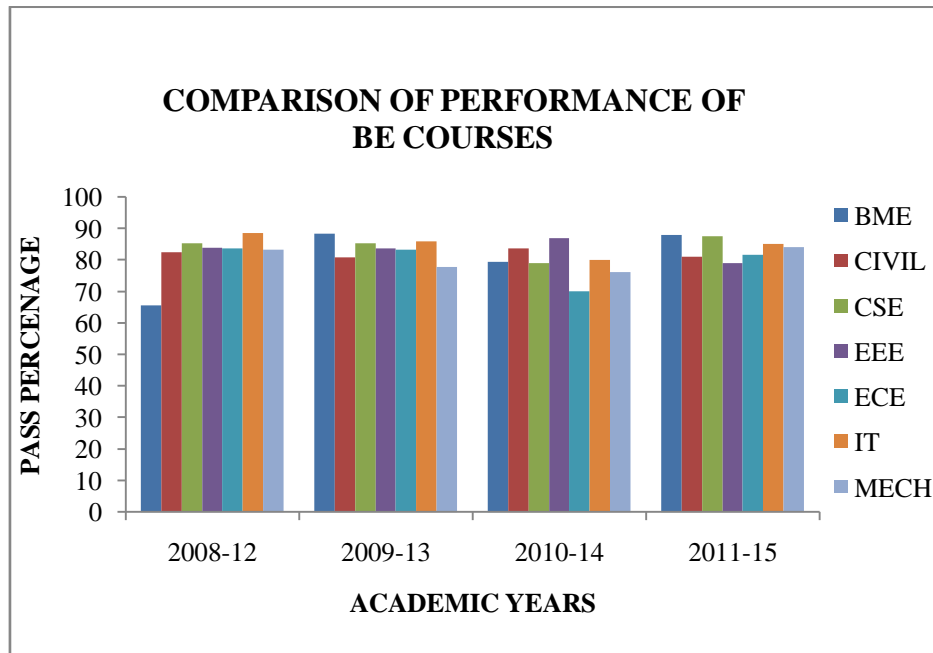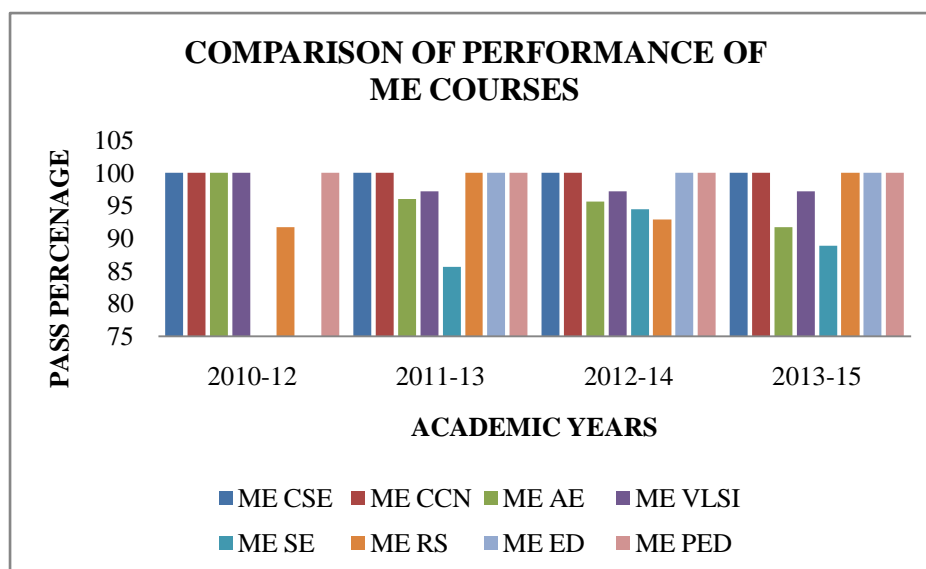
Comparion with the colleges of the affiliating university within the district

ANNA UNIVERSITY :: CHENNAI - 25
OFFICE OF THE CONTROLLER OF EXAMINATIONS
ACADEMIC PERFORMANCE OF AFFILIATED COLLEGES
APRIL / MAY 2014 EXAMINATIONS

		B.E./B.Tech. DEGREE PROGRAMMES				
		NON-AUTONOMOUS AFFILIATED COLLEGES				
Sl. No.	TNEA Code	Name of the College	District	No. of Students Appeared	No. of Students Passed	Percentage of Pass
1	4962	NATIONAL ENGINEERING COLLEGE	TUTICORIN	623	604	96.95
126	5910	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	4301	2838	65.98
207	5832	N P R COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1695	995	58.70
318	5913	RATNAVEL SUBRAMANIAM COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	2167	1031	47.58
227	5530	SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	966	547	56.63
390	5930	SBM COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1703	706	41.46

ANNA UNIVERSITY :: CHENNAI - 25
OFFICE OF THE CONTROLLER OF EXAMINATIONS
ACADEMIC PERFORMANCE OF AFFILIATED COLLEGES
NOVEMBER / DECEMBER 2014 EXAMINATIONS

		B.E./B.Tech. DEGREE PROGRAMMES				
		NON-AUTONOMOUS AFFILIATED COLLEGES				
Sl. No.	TNEA Code	Name of the College	District	No. of Students Appeared	No. of Students Passed	Percentage of Pass
1	2377	PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH	COIMBATORE	299	294	98.33
105	5910	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	4831	3020	62.51
183	5832	N P R COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1845	1000	54.20
330	5913	RATNAVEL SUBRAMANIAM COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1695	652	38.47
93	5530	SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1465	952	64.98
280	5930	SBM COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1967	867	44.08

ANNA UNIVERSITY :: CHENNAI - 25
OFFICE OF THE CONTROLLER OF EXAMINATIONS
ACADEMIC PERFORMANCE OF AFFILIATED COLLEGES
APRIL / MAY 2015 EXAMINATIONS

B.E./B.Tech. DEGREE PROGRAMMES
NON-AUTONOMOUS AFFILIATED COLLEGES

Sl. No.	TNEA Code	Name of the College	District	No. of Students Appeared	No. of Students Passed	Percentage of Pass
1	7155	PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH	COIMBATORE	299	291	97.32
59	9213	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	4805	3622	75.38
96	9208	N P R COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1840	1304	70.87
194	9215	RATNAVEL SUBRAMANIAM COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1684	1024	60.81
47	9221	SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1458	1147	78.67
148	9216	SBM COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1943	1274	65.57

ANNA UNIVERSITY :: CHENNAI - 25
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ACADEMIC PERFORMANCE OF AFFILIATED COLLEGES
NOVEMBER / DECEMBER 2015 EXAMINATIONS

B.E./B.Tech. DEGREE PROGRAMMES
NON-AUTONOMOUS AFFILIATED COLLEGES

Sl. No.	TNEA Code	Name of the College	District	No. of Students Appeared	No. of Students Passed	Percentage of Pass
1	7155	PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH	COIMBATORE	635	616	97.01
122	9213	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	5320	3128	58.80
203	9208	N P R COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1815	888	48.93
349	9215	RATNAVEL SUBRAMANIAM COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1482	500	33.74
144	9221	SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	1713	971	56.68
297	9216	SBM COLLEGE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	2239	891	39.79

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The institution facilitates student progression to higher level of education or towards employment through the proper placements in all the fields so that the students can get jobs as well as the chance of higher education.

Training and Placement Cell (TCP) functions in the college and acts as a center for identifying job opportunities and provides higher education facilities. Students are informed about the courses for higher education in various places, both in India and abroad institutions. Knowledge about the application procedure is also imparted. Notification of admission to premier institutions is displayed on the notice board and students are encouraged to apply for admission. As a result, our students have begun to apply for admission at premier institutions. The interested students are guided on how to perform well in the competitive exams like GATE, Civil service exams etc. Special coaching classes are arranged for GMAT, CMAT, TOEFL, IELTS, GATE, etc.

Special seminars were arranged to know the current global challenges. The students are encouraged to go for the inplant trainings, so as to have an idea about expectations of industries.

The proctor system facilitates student progression to higher level of education by identifying the skill level and guide them to understand their career needs and prepare career path and development strategies that focuses on their overall future prospects.

The Entrepreneurship Development Cell periodically organizes programmes on entrepreneurship development, to motivate students to take up entrepreneurship as their career. The Alumni guides the students to plan their future career.

The placement and training cell facilitates student progression to higher level of education and towards employment as described in the appropriate section given above by conducting various training programmes.

Table 5.16 Training Programes Conducted

PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY, DINDIGUL – 624 622
HRDC – TRAINING AND PLACEMENT CELL
THE DETAILS OF THE TRAINING PROGRAMMES CONDUCTED FOR THE
PAST 4 YEARS 2015-2016

Resource Group	Year	Training	No. of students	Branch	Duration
M/s. CTS, M/s. WIPRO	III year 2016 batch	Generic Training by HR	108	MCA	12.06.15 to 13.06.15
M/s. FACE, Coimbatore	IV year 2016 batch	AMCAT Pattern	900	All branches	15.06.15 to 19.06.15
M/s. Apt Training Resources, Chennai	III year (2016 batch)	Speed Maths	168	MCA, BME	20.06.15, 22.06.15 to 23.06.15
M/s. Launchpad LLC, Chennai	IV Year (2016 batch)	Product based training	125	All Branches	27.07.15 to 02.08.15
M/s. Bell Soft, Chennai	I YR (2016 batch)	Motivation Training programme	1500	All Branches	29.08.15
M/S. Smart Training Resources, Chennai	IV Year (2016 batch)	Company Specific Training programme	1069	All Branches	31.08.15 to 02.08.15
ECE Faculty PSNACET	IV year students	C,C++ Training	135	ECE	06.08.15-08.08.15
PHASE Training	IV year students	Placement training	220	All Branches	12.6.15-30.6.15
English Department PSNACET	IV Year (2016 batch	English Grammar Training	260	ECE	7.9.15 to 8.9.15
M/s. ebek Language Laboratories, Trichy	III year 2015Batch	Business English Certificate (BEC) Training, Cambridge University	261	All Branches	17.02.15 &18.02.15, 17.03.15& 18.03.15
M/s. LIFE, Chennai	IV year (2015 batch)	Infosys Specific Training	72	ECE, EEE, CSE, IT	08.01.15 to 10.01.15

M/s. Arrow Creative, Chennai	IV year (2015 batch)	Piping Design	51	Mech.	16.03.15 to 28.03.15
Cloud Infrastructure Services – Installation and Training	IV year & ME	Cloud Kinetics Technology Solutions (P) Ltd, Chennai	62	CSE	25.02.15

	2014-2015					
ECE Faculty PSNACET	IV year	One day Hardware Training on signal Analyzer	30	ECE	23.03.15
ECE Faculty PSNACET	III Year ECE students	ADS software Training & Hardware measurement	280	ECE	20.03.15
ECE Faculty PSNACET	III & IV Year ECE	LABVIEW Awareness Programme	500	III & IV Year ECE	13.08.14
M/s. Apt Training Resources, Chennai	III year 2015batch	Aptitude Skills	1016	All Branches	23.06.14 to 25.06.14
M/s. FACE, Coimbatore	III year 2015 batch	AMCAT Pattern & Placement Training	951	All Branches	26.06.14 to 30.06.14
M/s. FACE, Coimbatore	III year 2015 batch	CTS Specific Training	869	All Branches	27.08.14 to 30.08.14
Enteccon Training Company	IV Year (2015 batch)	C, C++ Training	50	BME	27.08.14 to 29.08.14, 01.09.14 to 03.09.14
Cambridge University	III Year (2016 batch)	BEC Training	60	BME	23.07.14
M/s. Smart Training Resources, Chennai	III year 2015 batch	Wipro Specific Training	642	All Branches	10.09.14 & 11.09.14
Cambridge University	III Year (2015 batch)	Intensive Training	50	BME	17.02.14 to 18.02.14
ECE Faculty PSNACET	IV year students	Add on course in LABVIEW module II for final year students	165	IV year students	17.2.14-18.2.14
M/s. RIPE Institute Pvt. Ltd., Chennai	II year	Confidence Building	970	All branches	15.02.14 (FN)
M/s. RIPE Institute Pvt. Ltd., Chennai	I year	Confidence Building	943	All branches	15.02.14 (AN)
M/s. RIPE Institute Pvt. Ltd., Chennai	II year	Confidence Building	1007	All branches	01.03.14 (FN)
M/s. RIPE Institute Pvt. Ltd., Chennai	I year	Confidence Building	1009	All branches	01.03.14 (AN)

2013-2014					
M/s. Speed Learning Resources, Chennai	II year	Empowerment	112	MCA	29.07.2013 to 02.08.2013
Mr.K.S.A.Gnanasekaran, German Tutor, Tuticorin	2014 & 2015 batch	German Language	32	All branches	From 19.01.2013
M/s. ZEN, Chennai	III year	Achievement Motivation	1006	All branches	11.07.2013 to 16.07.2013 (except 15.07.2013)
M/s. APT Training Resources, Chennai	2014 batch	Aptitude	1066	All branches	17.09.2013 to 19.09.2013
M/s. APT Training Resources, Chennai	2014 batch	TCS Specific	775	All branches	05.10.2013 to 06.10.2013
M/s. Smart Training Resources, Chennai	2014 batch	TCS Specific	827	All branches	07.10.2013 to 12.10.2013
M/s. Speed Learning Resources, Chennai	I year	Empowerment Refresher Programme	70	MCA	14.11.2013
M/s. RIPE Institute Pvt. Ltd., Chennai	I year	Confidence Building	1073	All branches	03.08.2013 (AN)
M/s. RIPE Institute Pvt. Ltd., Chennai	I year	Confidence Building	1025	All branches	17.08.2013 (AN)
M/s. RIPE Institute Pvt. Ltd., Chennai	II year	Confidence Building	1026	All branches	17.08.2013 (FN)
M/s. RIPE Institute Pvt. Ltd., Chennai	I year	Confidence Building	1034	All branches	31.08.2013 (AN)
M/s. RIPE Institute Pvt. Ltd., Chennai	II year	Confidence Building	1054	All branches	31.08.2013 (FN)
ECE Faculty PSNACET	IV year students	Add on course in LABVIEW module I for final year students	165	IV year ECE students	11.9.13-12.9.13
ISTE Sponsored Seminar on" Enhancing Employability & Nation's Safety"	2014 & 2015 batch	Information Security, Bank of America, Chennai	50	M.E. CSE	07.09.2013
M/s. NIIT, Dindigul	2013 Batch	C, C++, Java	26	ECE, EEE, CSE, IT & MCA	30.05.2013 to 10.06.2013
Bounce Academy & Scope infotech	2013-2014	Communication. Decision making skills. Ethical behavior	107	MBA	(4 semester)

2012-2013					
M/s. Ichieve Education Pvt Ltd., Chennai	2014 Batch	Communication	119	MCA	01.03.12 to 05.03.12
M/s.FACE, Coimbatore	2013 Batch	Placement Training	796	All branches	26.05.12 to 29.05.12

M/s.Smart Training Resources, Chennai	2013 Batch	Placement Training	785	All branches	13.06.12 to 16.06.12
M/s.Ethiraj Associates, Bangalore	2013 Batch	Campus to Corporate	235	Civil, Mech. & MCA	02.06.12 to 04.06.12
M/s.FACE, Coimbatore	2013 Batch	Placement Training & TCS Specific	784	All branches	24.09.12 to 05.10.12
M/s.Smart Training Resources, Chennai	2013 Batch	Wipro Specific	320	All branches	13.10.12
Department of English, PSNACET, Dindigul	II & III year	BEC	165	MCA	12.04.12 to 14.04.12
M/s. Smart Training Resources, Chennai	2013 Batch	Placement Training	25	M.E. CSE.	02.08.12-05.08.12
M/s.ZEN, Chennai	2014 Batch	Communication	138	B.E. CSE	16.07.12-20.07.12
M/s. Ethiraj Associates, Bangalore	2013 Batch	Campus to Corporate	25	M.E. CSE.	30.07.12-01.08.12
M/s. Ethiraj Associates, Bangalore	2013 Batch	Campus to Corporate	138	B.E. CSE	25.06.12-27.06.12
M/s. ebek Language Laboratories, Trichy	2013 Batch	Business English Certificate (BEC) Training, Cambridge University	138	B.E. CSE	12.03.12-20.03.12

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

Students who are at the risk of failure and drop out are identified by the tutors based on their performance in internal assessments and university examinations.

Special attention and counseling is given to them. Extensive counseling will be done by the Proctors concerned and also by external counselor.

Parents of the students are also invited to the college to have positive discussion on their ward, among the HOD, senior professors, and tutors concerned, the student to arrive at practical solutions for his problems. These steps provide support to them to perform well.

Extra Classes are arranged for the students who are at risk of failure and drop out. Conducting frequent counseling by the class teachers/counselors, Discussions with the parents to find out practical difficulties, Revision classes are being conducted during holidays, to discuss AU question papers.

The institution has adopted certain practices over the years to minimize the student dropout rate. These include individual attention to the students, extended library hours, printed subject notes, and revision classes.

Continuous counseling, promptly attending to the students' emotional and health needs, attendance shortage monitoring and communication of the same to parents/guardian to ensure that the students enrolled complete their courses successfully.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Sports and games have played an important role in the evolution of PSNA CET and now when PSNA CET has completed thirty-two years of its academic life, sports in PSNA CET can definitely claim a fair share in the progress of the institution.

The college has an excellent state-of-the-art infrastructure for sports and provides professional coaching to the students. Over the years PSNA CET has invested in sports considerably, as a result today the institution is proud of not only having excellent sports facilities, but also having produced sports men of the highest caliber.

Various cultural and extracurricular activities and fine arts programmes are held to bring out the aesthetic sense and creativity of the students.

There are various clubs which provide a platform for students to display their talents in the college. The club members and the faculty-in-charge enable the students to participate in District/Zonal/National wise cultural competitions.

Table 5.17 List of Clubs

Sl. No	Name of the Club	Staff In charge
1.	NSS	Dr.K.SUBRAMANI,ASP/PHYSICS
2.	BLOOD DONORS CLUB	Dr.P.BABU,ASP/MCA
3.	FINE ARTS CLUB	Mr.K.KATHIRESAN,ASP/PHYSICS
4.	ROTRACT CLUB	Dr.S.JEYARAMAN,ASP/MBA
5.	SCIENCE FORUM	Dr.M.THANGARAJ,ASP/PHYSICS
6.	ENGLISH LITERARY CLUB	Mr.G.VIJAY,ASP/ENGLISH
7.	TAMIL MANDRAM	Dr.ALEESWARI,ASP/MBA

Table 5.18 Program Calendar

S.No	Event /Activity	Date
1.	NSS CAMP	27.08.2013
2.	BLOOD DONORS CLUB	17.08.2015 &18.07.2016
3.	FINE ARTS CLUB	22.03.2014
4.	ROTRACT CLUB	10.09.2013
5.	SCIENCE FORUM	25.07.2014
6.	ENGLISH LITERARY CLUB	17.04.2015 -18.04.2015
7.	TAMIL MANDRAM	05.02.2014

Sports grounds, facilities and qualified sports instructors

Table 5.19 List of Physical Directors

Sl. No.	Name of the faculty	Qualification	Designation
1	Mr.J.Vijay	B.Sc., M.P.Ed., M.Phil.,	Physical Director
2	Mr.A.Murugesan	B.Sc	Gym Inst.

Table 5.20 Varous Fields Details Sports and ground facility

S.No	Sports Grounds and Facilities	
	OUTDOOR FACILITIES:	
1	Ball Badminton	4 Courts 2 Courts under Flood Lights
2	Cricket	2 Grounds
3	Basket ball	1 Court under Flood Lights
4	Football	4 Grounds
5	Hockey	2 Field
6	Tennis	2 courts with flood Lights
7	Kabaddi	4 Grounds 2 under Flood Lights
8	Volleyball	4 Grounds 2 under Flood Lights
9	Badminton	1 Court under Flood Lights
	TRACK AND FIELD:	
1	Track Events	1 Standard 400 mts track
2	Field Events	Jumps- Longjump pit, Triplejump pit, Highjump & Polevault.
		Throws- Shotput,Discus,Hammer,javelin,
	INDOOR FACILITIES:	
1	Badminton	4 Courts
2	Table Tennis	12 Boards
3	Chess	Available
4	Carrom Board	8 Boards
	GYMFACILITIES:	
1	Ladies Hostel	Gym hall with 20 Stations
2	New Gents Hostel	Gym hall with 30 Stations and facilities for Weightlifting ,Power lifting
3	College Main Campus	Gym hall with 30 Stations and facilities for Weight lifting ,Power lifting

View of the various Play Courts

Table 5.21 Events Organized

Sl. No	Game	Name of the Tournament	Association With	Date
1	Ball Badminton (Men & Women)	National Junior Championship	Tamilnadu Ballbadminton Association	2014
2	Table Tennis (U-12,14,16,19, Men,Women)	State Ranking Championship	Dindigul District TT Association	July every year
3	Badminton(U-17,19 boys & Girls)	State Ranking Championship	Dindigul District Badminton Association	July every year
4	ParaBadminton	National Championship	Tamilnadu Badminton Association	2014
5	Table Tennis (U-12,14,16,19, Men,Women)	Inter District Championship	Dindigul District TT Association	July every year
6	Paralympics	Inter Zonal Tornament	Anna University, Chennai	July2014
7	Badminton(Men)	Inter Zonal Tornament	Anna University, Chennai	August every year
8	Badminton(Women)	Inter Zonal Tornament	Anna University, Chennai	August every year
9	Athletics (Men & Women)	Inter Zonal Tornament	Anna University, Chennai	August every year
10	Handball (U-19 Boys)	National Camp	Tamilnadu Handball Association	2014

11	Handball (U-19 Girls)	National Camp	Tamilnadu Handball Association	2014
12	Cricket (Men)	PSNA TROPHY, Inter School Tournament	Dindigul District Cricket Association	Oct every year
13	Football(Men)	State Level CM Trophy for School Boys & Girls	SDAT, Dindigul	Oct every year
14	Football	PYKKA(Rural Boys & Girls)	SDAT, Dindigul	Oct every year
15	Volleyball	PYKKA(Rural Boys & Girls)	SDAT, Dindigul	Oct every year
16	Athletics	PYKKA(Rural Boys & Girls)	SDAT, Dindigul	Oct every year
17	Cricket(Men)	PET Tournament for School PET	PET Association, Dindigul	Oct every year
18	Throwball(Women)	PET Tournament for School PET	PET Association, Dindigul	Oct every year
19	Volleyball (Men)	PET Tournament for School PET	PET Association, Dindigul	Oct every year

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Cultural activities pertaining to Annual day are under the supervision of Humanities and Science department. Music, dance and drama are the forms of art that allure the world. The essence of education lies in providing the right ambience to trigger the thirst for art and knowledge, and not merely in completing the process of learning through books.

The college encourages its students to take part in various co-curricular, extracurricular & cultural activities.

Our college students have excelled in various competitions of university, state, zonal, national, and international.

Students' Player details

The following Students of our College represented Anna University Teams in the following Games for the South Zone and All India Inter University Tournaments.

Table 5.22 Students' Player details

Sl. No.	Game	Name of the Student	Year & Branch	Position
1.	Badminton	R Rine	III ECE	South Zone
2	Ball Badminton	M Divya	IV IT	All India
3	Ball Badminton	S Sharmili	IV IT	All India
4	Ball Badminton	A Ramya Priyadharsini	III ECE	All India
5	Ball Badminton	S J Mekala	III IT	All India
6	Ball Badminton	R Vanmathy	I IT	All India

7	Ball Badminton	K Pavithra	I IT	All India
8	Basketball	M Harishh	III ECE	South Zone
9	Basketball	K Saravana Kumar	III MECH	South Zone
10	Basketball	Rohit	II ECE	South Zone
11	Basketball	Athira Manoj	II ECE	South Zone
12	Basketball	E Devi Iswarya Lakshmi	II CSE	South Zone
13	Basketball	R Anbarasi	II CSE	South Zone
14	Chess	R M Subramanian	III CSE	All India
15	Chess	K K Gowtham	III CSE	All India
16	Chess	S S Manikandan	IV ECE	All India
17	Cricket	John Belinda Ann	II IT	South Zone
18	Cricket	R Mouriya	II MECH	South Zone
19	Cricket	Nandhini	II ECE	South Zone
20	Cricket	Priyanka Pushpa	II ECE	South Zone
21	Handball	M Arun	II IT	South Zone
22	Handball	M Ashock	II IT	South Zone
23	Handball	S Mercy Amala Pushpam	II ECE	South Zone
24	Handball	M Sivagami	II ECE	South Zone
25	Handball	S Sharmila	II ECE	South Zone
26	Handball	S Mani Bharathi	II CIVIL	South Zone
27	Handball	K Chitra devi	II ECE	South Zone
28	Hockey	Thangapandiyan	IV IT	South Zone
29	Hockey	Roop Chand Singh	IV ECE	South Zone

Recognition and Award

Our college won 94 trophies all over India for the academic year 2015-16.

Table 5.23(a) Student Achievements in Extra, Co Curricular activities

Sl. No	Year	Game / Event	Awards/ Prize	Name of the Tournament
1	2014-15	Athletics(Men)	Over All Champion	Anna University Zone
2	2014-15	Athletics(Women)	Over All Champion	Anna University Zone
3	2014-15	Badminton (Men)	Winner	Anna University Zone
4	2014-15	Badminton (Women)	Winner	Anna University Zone
5	2014-15	Ball Badminton(Men)	Winner	Anna University Zone
6	2014-15	Ball Badminton(Women)	Winner	Anna University Zone
7	2014-15	Basketball(Men)	Winner	Anna University Zone
8	2014-15	Basketball(Women)	Winner	Anna University Zone
9	2014-15	Chess (Men & Women)	Winner	Anna University Zone
10	2014-15	Cricket(Men)	Runner	Anna University Zone
11	2014-15	Handball(Men)	Winner	Anna University Zone
12	2014-15	Hockey(Men)	Winner	Anna University Zone
13	2014-15	Kho-Kho	Winner	Anna University Zone
14	2014-15	Table Tennis(Men)	Winner	Anna University Zone
15	2014-15	Table Tennis(Women)	Winner	Anna University Zone
16	2014-15	Volleyball(Men)	Winner	Anna University Zone
17	2014-15	Volleyball(Women)	Winner	Anna University Zone
18	2014-15	Badminton (Women)	Runner	Anna University Interzone
19	2014-15	Badminton (Men)	Runner	Anna University Interzone
20	2014-15	Basketball(Men)	Runner	Anna University Interzone

21	2014-15	Handball(Men)	Winner	Anna University Interzone
22	2014-15	Handball(Women)	Winner	Anna University Interzone
23	2014-15	Badminton (Women)	Runner	Sairam TIES 2015
24	2014-15	Ball Badminton(Men)	Runner	Sairam TIES 2015
25	2014-15	Ball Badminton(Women)	Runner	Sairam TIES 2015
26	2014-15	Basketball(Men)	Runner	Sairam TIES 2015
27	2014-15	Chess(Men)	Winner	Sairam TIES 2015
28	2014-15	Handball(Men)	Winner	Sairam TIES 2015
29	2014-15	Handball(Women)	Winner	Sairam TIES 2015

Table 5.23(b) Student Achievements in Extra, Co Curricular activities

Year	Depart Ment	Name of the Programme	No.of Partici pants	Remarks/ award winner
2015-16	MECH	SAE Divisional Level Student Convention 2015	8	Second
	ECE	Paper presentaion,mobile application presentation, Gandhigram University	13	Second
		Paper Presentation ,Smart Grid Based Fault Identification and Rectification System, Arulmurugan College Of Engineering, Thennilai, Karur	26	Second
		Radio -2015 contest Arulmurugan College Of Engineering, Thennilai, Karur	12	Second
	CSE	Java Coding Test at I-Nautix Technology, Chennai	400	Fourth
	IT	MindKraft'2015 at Project Fest Karunya University, Coimbatore	60	Third Prize
		Google Competition	180	Google Scholarship Award
		Java Coding Test at I-Nautix Technology, Bangalore	55	2nd Prize (Cash Award Rs.18,000)
	BME	Paper presentation in Symposium at PSNA college of Engineering and Technology	07	First Prize
	MBA	1. Madurai management meets. 2Sona college conference 3.Care college business meet	24 2 14	Winner Winner Runner
	MCA	Online Code Contest –Techathon 2015- SIDA: Software Industries Development Association	3	Runner
		Adzap	5	2nd Prize
		Surprise Event	2	2nd Prize
		Surprise Event	2	3rd Prize
		Minute byte	3	First Prize
		Net hunt	2	First Prize
2014-15	CIVIL	Paper presentation, SSM Institute of Engineering and Technology, Dindigul	5	Second
	ECE	MEXHIBT'15 National level Project model display,	30	Second

		Karpagam College of Engg., Coimbatore		
		Paper Presentain,REWOP'15, Sri Ramakrishna Engg.College, Coimbatore	32	First
		Android Mobile Applications software development,IIT Madras,Chennai	25	Third
		Sky mobile'2014, Kuriniji College of Engg.Tech.,Manaparai	10	Third
		Poster Presentation in Nano Technology, JJ College of Engg.Technology, Trichy	32	Second
	EEE	Paper presentation held at PSNACET,Dindigul	25	06
		Project expo held at PSNACET,Dindigul	37 batches	08
		Technical symposium- Technical competitions	07	01
	CSE	CIO challenge, CTS,Chennai	320	Third
		Paper Presentation in CLOUDUS'15 on 1/30/2015 at SSM Institute of Engineering and Technology	55	First
		In Paper Presentation EPOCH'15 on 2/12/2015 at Kongu Engineering College	85	Third
		Paper Presentation in CURA'15 on 2/25/2015 at M.Kumarasamy College of Engineering	46	First
		Paper Presentation in WHIZKID 2K14 on 9/6/2014 at Gnanamani College of Technology	60	Third
		Paper Presentation in SYM-TRI-NET'15 on 3/3/2015 at Muthayammal Engineering College	72	Second
	IT	Paper Presentation at Velammal College of Engineering and Technology, Madurai	42	First
		Paper presenation at Mepco College of Engg.	60	Second
	BME	Paper presentation in Symposium at PSR Engineering College, Sivakasi	02	First Prize
		Dindigul District Weight lift ing chapiyon ship	01	Third Prize
		Paper presentation in Symposium at chettinadu college of engineering, Karur	06	First prize and Third prize
	MCA	Software clue and Debugging contest at Gandhigram Rural Institute – DU, Dindigul	20	Second
2013-14	CIVIL	Paper presentation in Symposium at Ranganathan Engineering College, Coimbatore	2	First
	ECE	INFOSPARKS 2K14 Kalasalingam University, Srivilliputhur.	42	2nd Prize
		SECE- Technical exibition Thiagarajar college of engineering, Madurai	25	Third
		Poster presentation Dr.Magalingam College of engineering and technology, Pollachi	34	Third

		National level robotics workshop, IIT Bombay	52	Second
		Multimedia Streaming Technology-SECE -Indra Ganesan College of Engineering, Trichy	42	Second
	EEE	Paper presentation held at PSNACET,Dindigul	31	05
		Project expo held at PSNACET,Dindigul	9 batches	03
	CSE	Robotics & Computer Applications Institute of USA conducted IURL'2014- Robotics competition from 22.03-14 to 26.03-14.	43	5th position - National Level.
	IT	Project Expo 2k14 at Adhiyaman College of Engineering	78	Third
		Tecutshsov'14 organized by Thiagarajar college of Engg.	56	2nd Prize
		CLusiter 14 in Websketch in National level Programme	86	2nd Prize
	BME	Paper presentation in Symposium at TKM College of Engineering , Kollam	05	First prize & Third prize
		Paper presentation in Conference at Kammaraj College of Engineering and Technology	11	First prize & Third prize
		Paper presentation in Conference at Pondicherry university	03	Best Paper award
		Paper presentation in Conference at at PSR Engineering College, Sivakasi	01	Best Paper award
		Paper presentation in Conference at at Uthaya school of Engineering, Kanyakumari	05	second prize
	MBA	Financial Expert, Jamal Institute of Management,Trichy	10	1st Prize
	MCA	Paper Preseantation at Paavai College of Engineering and Technology, Namakkal	1	Second
		Trailor Making at PSG College of Technology, Coimbatore	8	First
2012-13	CIVIL	Quiz Competition, AC College of Engg. Tech., Karaikudi	2	First
	ECE	Project Exhibition (IEEE India SSCS Chapter) Muthaiayammal Engg. College, Rasipuram	52	Third
		Project Exhibition Elecrama'2012 IEEMA, Mumbai	35	Second & Third
	EEE	Paper Presentation held at PSNACET,Dindigul	13	3
		Project expo held at PSNACET,Dindigul	05	05
	CSE	Grand Finale of Techunt 2013 - an initiative of IIT, Bombay, Nurture Talent and Computer Society of India, IIT Bombay, Mumbai. 6th Dec, 2013	150/4000 Teams/Students	Top 30 teams
	IT	TEKCIM'14 National Level Paper presentation	56	2nd Prize
	BME	Project presentation in symposium at Sri.Krishna Institute of Technology , Coimbatore	05	First prize and Third prize
		Project presentation in symposium at Sri Motilal kanhaiyalai forma Institute technology, Chennai	03	Ist Prize
		Paper presentation in symposium at	04	FIRST PRIZE

		Dhanalakshmi Srinivasan Engineering College, Perambalure		
		Inter zonal Tournament –Ball badminton	03	(Third /Fourth/Runner each one)
	MBA	Best Manager, Bishop Heiber College, Trichy	12	1st Prize
		Management Games, YUKTHI,Thiagarajar School of Management, Madurai	10	2nd Prize
		Business Quiz,MOTO – 2011 National Level Management Level, VHNSN College Virudhunagar	10	Runner

SAE –India Competition Achievements

K.Indirajith	SAEINDIA, Student Convention 2015 Mechanical Engineering	I-Position	Vellore Institute of Technology, Vellore	Sep' 18-19, 2015
S.Sribalaji	15th ISTE TN&P Section Annual Convention for Engineering Students	Best Student Award	Anand Institute of Higher Technology, Kazhipattur	Feb' 13, 2015
Milan Thapa Dinesh paudel	Student Convention Competition (SAE INDIA)	First	M.Kumarasamy College of Engineering, Karur.	Oct 2012

Students Participation Photos

Student Paper Presentation

Project Expo 2015

SAE 2015 Activities

Tree Plantation –Republic Day celebration

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The Placement cell collects feedback from senior executives, who visit the campus for campus interviews, on the performance of the students. These executives also provide information on the performance of the students already placed in their companies. This feedback is just passed on to the departments to take necessary action.

Feedback from Alumni is also collected from time to time by conducting alumni meet. This data is used to improvise the teaching and learning process, and to prepare the students to meet the challenges and get placed.

The employers of the organizations are requested to give their feedback on the performance of the Alumni of this college employed in their organizations and this feedback is utilized to modify their methodology of teaching to suit industrial needs.

The Institute analyses the feedback for improvement in curriculum, infrastructural facilities, and teaching learning process and information systems. Based on the inputs it improves the domains where there is need for reforms and modifications.

Alumini and Employer feedback survey samples

P S N A COLLEGE OF ENGINEERING & TECHNOLOGY
Department of Computer Science and Engineering
Kothandaraman nagar, Dindigul-624622
Tamilnadu , India
Phone: 0451 – 2554032, 2554349. Web Site: www.psnacet.edu.in

ALUMNI FEEDBACK FORM

PERSONAL INFORMATION:

Name:	FARJANA PARVEEN.M
Address:	7/a, T.V-A Nagar, Batalagundu Road, Begumbur (PO), Dindigul – 624002
Telephone Contact/s :	8050043004
E-mail:	farjana. m28@wipro.com

Affix your recent passport size photo here
(Either hard copy / soft copy)
[optional]

Education Qualification (If any updated degree or certificate information, Specify):

Degree / Certificate	Specialization	Institution / University	Year of Graduation	Class

EMPLOYMENT HISTORY:

Are you currently Employed?	☐ Yes	☐ No	E-mail: farjana.m 28@wipro.com (In Employment Place)	
Name of the Industry	Position/s Held		Experience	
		From		To
WIPRO	Project Engineer	28 Nov 2011		Till date

If Self-Employed, Provide details: (Give the name of company, Registration number and etc.)

Alumni Feedback Form

Page 1 of 3

Major Achievements / Awards or Honors:

What was the most useful suggestion to enhance student's education in our college?

Provide them proper practical learning sessions instead of doing exam oriented teaching

What improvements would you recommend for the Faculty?

What can the Faculty do to facilitate your career development?

Arrange for a faculty training program frequently.

Given your industry experience, is there any training that you feel should have been added during the course?

Arrange for training sessions with persons from IT companies with good technical knowledge

The following Programme Educational Objectives (PEOs) is articulated for our Department:

1. Graduates will accomplish a technical expertise in Computer Science and Engineering and be successful in their career, be leaders in multi disciplinary teams by applying communication skills and professional knowledge.
2. Graduates will have the ability to engage in sustained learning through progressive research and practice their profession with good ethical standards.

Please, specify your suggestion on the PEOs

Note: Please attach photo copy of your appointment order.

Signature

Thank you for taking the time to complete this survey.
Please send mail to asbabu@psnacet.edu.in

5.3.4 **How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.**

The Principal, faculty and students are actively involved in publishing the magazines annually. Every year, the college and the department magazine are published in order to exhibit the talents of students and faculty. The students are motivated to express their talents in the form of articles, paintings etc.

Symposia is conducted once in every academic year, by each Department, the posters and brochures are designed exclusively by the students. Students coordinate with teachers in organizing and publishing magazines. These entities bring out magazines in which the students publish their articles. The names of the magazines for each department are listed below.

Table 5.24 List of Magazines

Sl.No.	Department	Name of the magazine
1	BME	MERGE-Newsletter
2	CIVIL	PSNA CIVIL BULLETIN
3	CSE	Cyber Pro`14
4	EEE	IMPETUS
5	ECE	MERAKI '16
6	IT	IT News Bulletin
7	MECH	Mechdynamics
8	MBA	KRIYA
9	MCA	News Bulletin
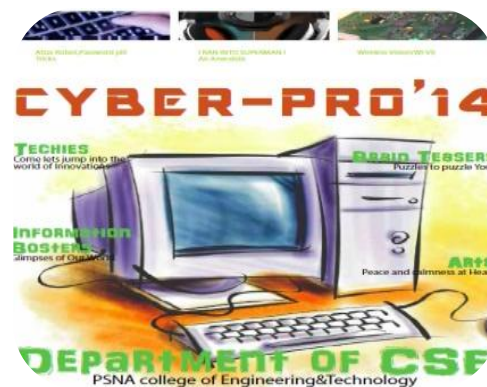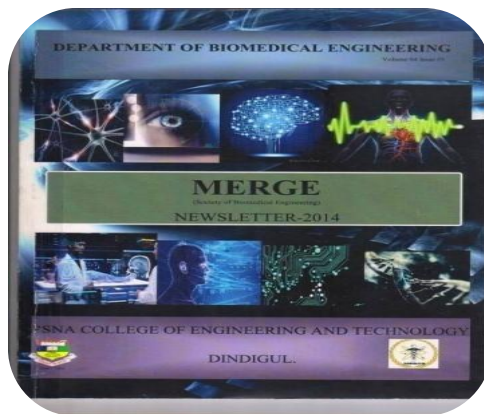
5.3.5   Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

YES. All the departments have Association. Every year, students elect their class representatives and from the elected class representatives, office bearers of students association are selected.

The executive committees of these associations comprise President from final year, Vice-President from pre-final year, Secretary from first or second year and Treasurer from third year. The associations conduct the activities under the guidance of the faculty representatives. The College makes budgetary allocations for student activities.

The following are the activities generally undertaken by the

departmental associations:
- Expert Lectures
- Technical Talks
- General &Technical Quiz
- Aptitude Tests
- Workshops
- Project expo

Table 5.25 Department Association Activities

Department	Name of the event	Faculty co-ordinator	Targeted participants	No of Participants	Year
Civil	Society of Civil Engineers-Symposium'15	Mr. N. GuruMoothy	UG& PG Students	300	2015
	Quiz Competition, Poster presentation, CADD contest	Mr.R.Thangaraj	UG& PG Students	350	2014
	Concrete mix design, Project competition, Paper presentation	Mr.M.Mohan	UG &PG Students	350	2013
Mech.	Quiz Competition	Mr.M.Santhosh	UG& PG Students	110	2015
	Marketing management	Mr.M.Santhosh	UG& PG Students	105	2015
	Aptitude Tests	Mr.Chidambaranathan	UG& PG Students	105	
ECE	MERAKI'16 Technical Symposium	Ms.S.Sobana	II & IV Year students	600	2016
	Digital India Celebration-Technical Quiz& Paper Presentation	Mr.K.Ramamoorthy Mr.S.Bharath	II & III year students	60	2015
	Intra Departmental Hardware Contest	Mr.K.Ramamoorthy	UG& PG Students	25	2015
	Inter Departmental Paper Presentation	Dr.P.Manirajkumar	UG& PG Students	80	2014
	Intra Departmental Hardware Contest	Mr.S.Karthikeyan	UG& PG Students	25	2014
	Inter Departmental Paper Presentation	Mr.J.Kumarnath	UG& PG Students	80	2013
EEE	Paper Presentation	Dr. S. Muthukumaran	UG& PG Students	62	2014
	Quiz Contest	Mr. R.M.Sekar	UG& PG Students	18	2014
	Project Expo "Re Envision"	Dr. I. Gerald Christopher Raj	UG& PG Students	52	2014
	Robo Race	Dr. V.Rajasekaran	UG& PG Students	36	2014
	Circuit Debuging	Dr. I. Gerald Christopher Raj	UG& PG Students	112	2015
	Paper Presentation	Dr. S. Muthukumaran	UG& PG Students	58	2015
	Project Expo	Dr, R.Karthigaivel	UG Students	54	2015

CSE	ZenoBios contest	D.Suresh	UG& PG Students	90	2016
	WebonZo contest	D.Suresh	UG& PG Students	100	2015
	Intra Department Quiz Event	Mr. D.Ramesh	UG& PG Students	80	2015
	Intra Department Aptitude Test	Mr. D.Suresh	UG& PG Students	100	2014
	Intra Department Multimedia	Mr. J.BenadictRaja	UG& PG Students	30	2014
	Intra Department Paper presentation	Mrs. T.Hemalatha	UG& PG Students	50	2013
	Inter Department C-Debugging	Mr. R.Karthikeyan	UG& PG Students	70	2013
	Inter Department Multimedia	Mr. J.BenadictRaja	UG& PG Students	40	2012
	Inter Department Quiz Event	Mrs.U.Barakkath Nisha	UG& PG Students	150	2012
IT	InfoXen XT contest	Dr.M.Jaiganesh	UGStudents	80	2016
	Digital India	Mr.K.P.Vijaykumar	UGStudents	60	2015
	InfoXen XT Contest	Dr.M.Jaiganesh	UGStudents	70	2015
	Intra Department Aptitude Test	Mr. K.P.Vijay kumar	UGStudents	80	2014
	Intra Department Multimedia	Dr.. M.Jaiganesh	UGStudents	30	2014
	InfoXen XT Contest	Mr.K.P.Vijaykumar	UGStudents	40	2013
	Inter Department C-Debugging	Mr.M.Chitty Babu	UGStudents	60	2013
	InfoXen XT nter Department Multimedia	Mr.J.Jeganathan	UGStudents	40	2012
	Inter Department Quiz Event	Mrs.R.Sivakami	UGStudents	68	2012
BME	Paper Presentation	Mr. Sriram	UG Students	70	2016
	Paper Presentation	Mr. P. Sasikumar	UG Students	70	2015
	Project Presentation	Mr. Sriram	UG Students	70	2014
	Project Presentation	Mr. J. Vijay	UG Students	70	2013
	Multimedia competition	Mr. Sriram	UG Students	70	2013

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The College has various academic and administrative bodies that have student representatives in them. This representation helps them for their overall development. These bodies create more avenues for the students to develop technical skill, updating knowledge on the subjects, personality development and service to society through the following Societies/Associations. There are staff advisers to guide the students for the smooth and efficient conduct of these activities.

- Computer Society of India (CSI)
- Society of Automotive Engineers (SAE)
- Institution of Electrical and Electronic Engineers (IEEE)
- Institution of Electronics and Telecommunication Engineers (IETE)
- Indian Society for Technical Education (ISTE)

- National Service Scheme (NSS)
- Youth Red Club(YRC)
- Industry Institute Interaction Cell
- Class committee
- Hostel committee
- Library Committee
- Alumni Committee
- Women Empowerment cell

The Academic council actively participates in planning and conducting the annual techno-cultural festival, Independence Day and Republic Day to showcase the culture of all the parts of the country in a grand way every year. The college funds entirely for all the activities every year.

Table 5.26 Various Professional Body Activities
a. ISTE

Sl. No	Name of the faculty in charge	Department / designation	ISTE Society Designation
1.	Dr.P.Babu	Asso.Prof, MCA	Secretary, ISTE Chapter,PSNACET
2.	Dr. A. Nagarajan	Professor, Maths	Staff Advisor, ISTE Students Chapter
3.	Mr.K.Ramamoorthy	Asso.Prof,.ECE	Member
4.	Mr.J.Velmurugan	Asso.Prof,.EEE	Member
5.	Mrs,D.M.D.Preethi	Asst.Prof,.CSE	Member

ISTE – programme organized

Sl. no	Event Name	Faculty coordinator	Targetted participants	No of participants	Date and Duration
1.	Teachers' Day Celebrations	Prof. K. Kathirvel	Faculty members of PSNACET	350	05th, September 2015
2.	Teachers' Day Celebrations	Prof. K. Kathirvel	Faculty members of PSNACET	350	05th, September 2014
3.	Teachers' Day Celebrations	Prof. K. Kathirvel	Faculty members of PSNACET	350	05th, September 2013

Teacher's day celebrations photos

b. IE

Sl. No	Name of the faculty incharge	Department / designation	IE society designation
1	Mr.Y.M.Sidharamaih	Civil/Professor	Staff advisor

IE – programme organized

Sl.no	Event Name	Faculty coordinator	No of participants	Date and Duration
1	Engineers day	Mr.Y.M.Sidharamaih	160	15.09.2015
2	Engineers day	Mr.Y.M.Sidharamaih	160	15.09.2014
3	Engineers day	Mr.Y.M.Sidharamaih	150	15.09.2013

c. CSI

Sl. No	Name of the faculty in-charge	Department / designation	CSI society designation
1	Dr.T. Hemalatha	CSE / Associate Prof.	CSI-Student Branch Counselor
2	Mr. K. P. Vijaya kumar	IT / Associate Prof.	Department Coordinator
3	Mr. M. Gopianand	MCA / Assistant Prof.	Department Coordinator

CSI-programme organized

Event Name	Faculty coordinator	Targeted participants	Number of participants	Date and Duration
Workshop on "LINUX Kernel Programming"	Dr.T.Hemalatha	Pre final year students of CSE,IT,MCA	150	Oct 8th & 9th 2015
Workshop on Middleware Technologies	Dr.T.Hemalatha	Final year students of CSE,IT	175	Sep 3rd 2014
Inauguration of PSNA CET - CSI Student chapter	Dr.T.Hemalatha	For all CSI Student members	789	Sep 9th 2013
Pre conference tutorial on Wireless Sensor Networks.	Dr.R.Saravanan	PG Students& Faculty members from other Institutions.	75	Mar 4th 2012

d. IEEE

Sl. No	Name of the faculty in charge	Department / designation	IEEE society designation
1	Dr.S.Muthukumaran	EEE/Prof.	Branch Counselor
2	Mr.S.Karthikeyan	ECE/ASP	Member
3	Mr.R.M.Sekar	EEE/ASP	Member
4	Dr.I.Gerold Christopher Raj	EEE/AP	Member
5.	Dr. VE. Jayanthi	Professor and Head / BME	Member (EMBS & SPS society)
6.	Mr. P. Mohan Kumar	Assistant Professor/BME	Member (EMBS & SPS society)

IEEE – programme organized

Event Name	Faculty coordinator	Targeted participants	No of participants	Year
Seminar on "Electromagnetic Interference & Harmonic reduction techniques"	Mrs.R.Vimala	30	30	2015
Seminar on power electronic drives	Dr.S.Muthukumaran	60	50	2015
Day Workshop on "PIC Microcontroller and its Applications"	Dr. R.Karthigaivel	30	35	2015
National Level Technical Seminar on power systems	Dr.I.Gerold Christopher Raj	65	60	2014
Intra Departmental Hardware Contest	Mr.S.Karthikeyan	UG& PG Students	25	2014
MEDUT 16	Mr. P. Mohan Kumar	120	120	2016

PSNACET-SAE-Collegiate Club

Sl. No	Name of the faculty incharge	Department / designation	SAE society designation
1	Dr.R.Kannan	Mech/Professor	Joint secretary-SAEISS
2	Dr.V.Paramasivam	Mech/Professor	Member

SAE – programme organized

Sl. No.	EVENT	GUEST	DATE
1.	SAE-Trek-2013	Mr.N.Balasubramanian, Renault-Nissan, Chennai	24&25Aug'13
2.	SAE-Industrial visit to M/S.PRICOL,Coimbatore	10 SAE student members	24-09-2013
3.	SAE-Water Rocketry	54 SAE members	08-10-2013
4.	SAE-Career Start-2013	9 SAE student members	07-11-2013
5.	SAE-Trek-2013	Mr.S.Selvamani,Sr.VP,Wabco India Ltd.,Chennai& Mr.S.Shanmugam,DDPL Ltd.,Chennai	25&26Dec'13
6.	SAE-Guest Lecture	Mr.K.Srikanth, Director, Alfa Rubber & Springs, Chennai.	23-01-2014
7.	SAE-NAKSHA-2014(Inter-collegiate competition)	Mr.K.Sivakumar,Head-Materials,TAFE, Madurai.	28-02-'14

Aero Club

As a part of formation of our HAWKS AERO CLUB, our students have participated in a Remote control Aero plane design workshop and returned with own glider. It was sponsored by OUR COLLEGE. The students who participated in the workshop are R.Aravind, J. Rufus and K.P.Balaji of III year mechanical engineering.

SAE Activities Photos

5.3.7 How does the institution network and collaborates with the Alumni and former faculty of the Institution.

The institution has an active alumni association. The college convenes regular meetings of the alumni association and they actively participate in various activities of the college. Alumni associations sponsor academic seminars and other programmes. The college also invites the former faculty members of the institution for various functions and maintains contact with them. Their feedback and suggestions are taken into account in the implementation of different programmes of the college.

Network with the Alumni

We have a website www.psnacet.edu.in. All the activities of the college are regularly posted on this website. We also have social community like face book, twitter, linkedin where Alumni can post their views and get to know of the new developments getting incorporated in our system. Alumni and former faculty are networked in symposium, conference, seminar, etc by the departments.

The Alumini chapter activities and the alumnus contributes to the development of the college are given above in 5.1.14.

Any other relevant information regarding Student Support and Progression which the college would like to include.

- State of the art equipment and computers
- Well maintained Hostels
- Transportation to all parts of the city
- Student friendly administration
- Study trips and field trips
- Award for best outgoing students
- Systematic format is used for seeking feedback and collected during alumni meet
- The feedbacks are discussed with the faculty members in the department and with the academic committee members, with department's advisory boards. Remedial measures are undertaken and implemented for the improvement.

CRITERION VI

GOVERNANCE, LEADERSHIP & MANAGEMENT

6.1   Institutional Vision and Leadership

6.1.1   State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision

- To provide world class engineering education for individuals to become technologically superior, socially conscious and responsible citizens for the welfare of mankind.

Mission

- To achieve academic excellence by imparting knowledge and skills through problem solving, practical training and design & development of innovative projects.
- To develop leadership and inter disciplinary team skills through effective communication training and inculcating ethical behaviour.
- To carry out applied research in Engineering & Technology and facilitate life-long learning.

The institution was established with the idea of providing quality higher engineering education to the cross section of student community in this part of the state / country. Imparting knowledge with the application oriented approach embedding the value systems into the education satisfies the vision and mission of the institute.

6.1.2   What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The management of our college is assisted by Principal, Dean Academics, Dean Administration, and Heads of the Departments, faculty and staff members to enhance the quality of the college. The management conducts periodical meetings to review the quality policy and development of the college.

The inputs over the years from the stakeholders including the faculty are taken as a basis by the top management to draw the quality policy for the institute.

The principal also participates in the formulation and announces to all stakeholders about its implementation.

The faculty understands the quality policy clearly and follows it in their day to day implementation.

The management provides excellent infrastructure. The Principal and the faculty members in turn deliver the curriculum to the students.

6.1.3 What is the involvement of the leadership in ensuring?

- **The policy statements and action plans for fulfillment of the stated mission**
- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan Interaction with stakeholders**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change**

The policy statements and action plans for fulfillment of the stated mission

- Governing council meetings are conducted every year.
- The top management along with the Principal constitutes this council.
- The Heads of the Departments collect suggestions and recommendations from the members of faculty and non-teaching staff.
- The Principal in turn receives the inputs, formulates policies based on these and presents them to the Governing Council.
- Finally, the Governing Council approves the policy statements and action plans for the fulfilment of the stated mission.

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

- The action plans for all the operations are prepared by the Heads of the Departments.
- They are duly endorsed by the Principal and the same is communicated to the top management.
- The management finally approves the action plans

Interaction with stakeholders

- Our teachers are empowered with academic independence.
- Parents meetings are arranged frequently. Mails / Letters stating the performance of the students are communicated to their parents. Parents are encouraged to actively participate in their wards' education through real time feedback of the progress, counseling of the students along with their wards to turn around from a difficult phase.
- Students, the important stakeholders are the pillars who can be influential stakeholders in the success of an organization. So we provide job related training through seminars and workshops.
- Alumni meetings are conducted often to get feedback from the alumni.
- Employers, the next big stakeholders are often contacted through HRD Cell and invited to get updation about the recent trends and industrial requirements.

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

- The Management and the Principal understand the needs of the society through their interactions with University, AICTE and other academic authorities.
- It also receives regular feedback from students, parents, alumni and employers to frame plans. The management fully supports any new plan for the benefit of its stakeholders. Based on the employers' feedback about the students placed in the preceding years, the students are given additional training in the areas for improvement as suggested by the business community.
- The various Heads of the Departments are actively involved in reviewing the progress for continuous improvement.

Reinforcing the culture of excellence

PSNA College of Engineering and Technology always benchmarks itself against the best industry practices. It channelizes the procedures and practices with respect to the prevailing external environment and hence proves to create an atmosphere as Centre for Excellence.

Champion organizational change

- The College pioneers in the field of changes in organizational set up by becoming an outward looking organization with focus on benchmarking against the best.
- It makes use of performance metrics in terms of pass percentage, placement percentage, presentation in conferences, journal publication, accepted proposals, consultancy work etc. to design appropriate strategies. These are communicated to the employees so that they can execute and accomplish the requirement as per the strategies set.

6.1.4   What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The improvement from time to time is monitored by various committees like

- Academic Council
- Timetable Committee
- Exam Cell
- Students counselling committee
- Training & Placement Cell
- Entrepreneurship Development Cell
- Sports Committee
- Hostel Monitoring Committee
- Transport Committee
- Discipline monitoring Committee
- Grievances Redressal Committee
- Anti-Sexual Harassment Committee

Every committee has its own objectives to be achieved and functions of these committees are well monitored and reviewed by conducting periodical meeting for imparting guidelines or necessary changes for improvements.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The top management gives full freedom to the faculty to present their suggestions and views for the development of the college. The faculty members get actively involved themselves in decision making process at all levels. They are the members of various committees such as class committee, student counselling, Entrepreneur Development Cell, Grievance readressal committee, purchase committee, discipline committee, alumni association, time table committee, anti-ragging committee, hostel committee, and various committee for college functions like College Day, Annual Day, Graduation Day, Sports Day etc.

Meetings of the above mentioned Committee are conducted in which the faculty members provide suggestions on different issues like subject allotments, laboratory and library requirements, student projects, etc.

6.1.6 How does the college groom leadership at various levels?

At Student Level
- The students are provided with enough opportunities and support to take active participation in various programmes such as seminars, national and international level conferences, all Curricular and extra – curricular activities.
- They are the members of the class committee in which they can express their difficulty in understanding the courses.

At Faculty level
- As mentors and faculty advisors, they are involved in planning and execution of several department activities, preparation of budget and purchase effectively.
- As coordinators for preparation of NBA and NAAC related documents, they are involved in organizing different events like College day, Graduation day, Independence day, Sports day and other similar functions.

Head of the Department
- Monitoring Students' academic and curricular activities.
- Responsible for overall functioning of department.

Principal
- Responsible for academic and administrative activities of the institution. Hence, forms several committees with members of the faculty as head of such Committees and monitors the functioning of each committee.

Management Level

- The management always encourages and supports the involvement of the faculty in the improvement of the effectiveness and efficiency of the institutional process. The management through the head of the institution involves the faculty in various activities related to the development of the college.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

The institution believes in promoting a culture of decentralized governance system.

- Adequate autonomy to all the departments and sections is provided.
- Class committee and students associations with representation from meritorious, average, slow learners from both male and female students.
- Refining and redefining activities by keeping in view of the deliberations of class committee and associations.
- Organization of several activities by students to enhance the capabilities of students under the tutorship of faculty member, hone their event management skills.
- Empowering Heads of the Departments to distribute work load to faculty, to identify the value added courses, to identify the content beyond syllabus and to organize various faculty-student empowerment programmes with the help of members of class committee, teaching and non-teaching faculty of the department.
- Allocation of budget on the basis of the proposals received from the department.
- Participation of lab technicians in making budget proposals.
- Conduct of serial tests by the departments.
- Decentralized governance system with well-defined inter relationships.
- Empowering the faculty member in-charge of a lab to devise and implement the necessary plans for effective conduction of the lab.

6.1.8 Does the college promote a culture of participative management? If yes, indicate the levels of participative management.

Yes; The College promotes a culture of participative management. Participative management involves Management, Principal, HoD, Faculty and Students. All faculty members are involved in planning and successful implementation of the academic and teaching-learning processes.

The students are given with the opportunity to express their views through class committee meetings.

The Faculty Members are given with academic freedom and are provided with additional responsibilities to act as conveners of various committees.

Head of the Department (HoD) is responsible for overall functioning of the department, laboratory and to maintain discipline.

Principal is responsible for all academic, non-academic and administrative activities of the Institution.

Management involves in the welfare measures and monitors quality improvements.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes; our institution has formally stated a quality policy.

Quality Policy

- We, at PSNACET, prepare professional manpower for tomorrow. Our students learn to accept responsibility in making engineering designs / managerial policies of high standard consistent with safety, health and welfare of the people.
- In the quest of this quality policy, our management and the faculty accept the responsibility of continuous progress towards our goal.

Based on the vision and mission of the institution, the governing council has framed the quality policy driven by the needs of the industries, society and stakeholders to bridge the gap in curriculum and the same is deployed and monitored through:

- Providing excellent infrastructure and conducive learning environment.
- Building a pleasant work culture and motivating everybody to contribute their best.
- Responding proactively to the changing the needs of industry, parents and the society by embracing latest technological trends in the field of education.
- Complying with requirements of standards and striving continually to improve the quality of operations of the institution.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes; the institute has a perspective plan for development. It is developed by the Principal under the guidance of Governing Council and head of various departments. Based on the academic schedule given by the affiliating university, academic calendar is prepared by the Planning Committee. The Academic calendar includes the list of pre-planned programmes of various departments and exam schedules prepared with the knowledge of HoDs. To ensure development of the college, all the planning and execution are monitored regularly.

Provision of adequate annual budget is the part of the development plan. The aspects to be included in the perspective plan are drawn from the following committee recommendations with priority.

Perspective plans of the Institution
The college has the following perspective plans:

- Retention of NBA accreditation given to all departments
- Getting NAAC accreditation
- Attaining autonomous status and global recognition
- More number of MoU's with Industries
- Strengthening the Industry-Institute relationship
- To attain National ranking
- To attain International ranking
- Tie-up with foreign universities

6.2.3 Describe the internal organizational structure and decision making processes

The institution function is based on the organizational chart shown below. Decision is made by Governing council and dispensed by Principal through Dean-Academics, Dean-Administration and Heads of all the departments.
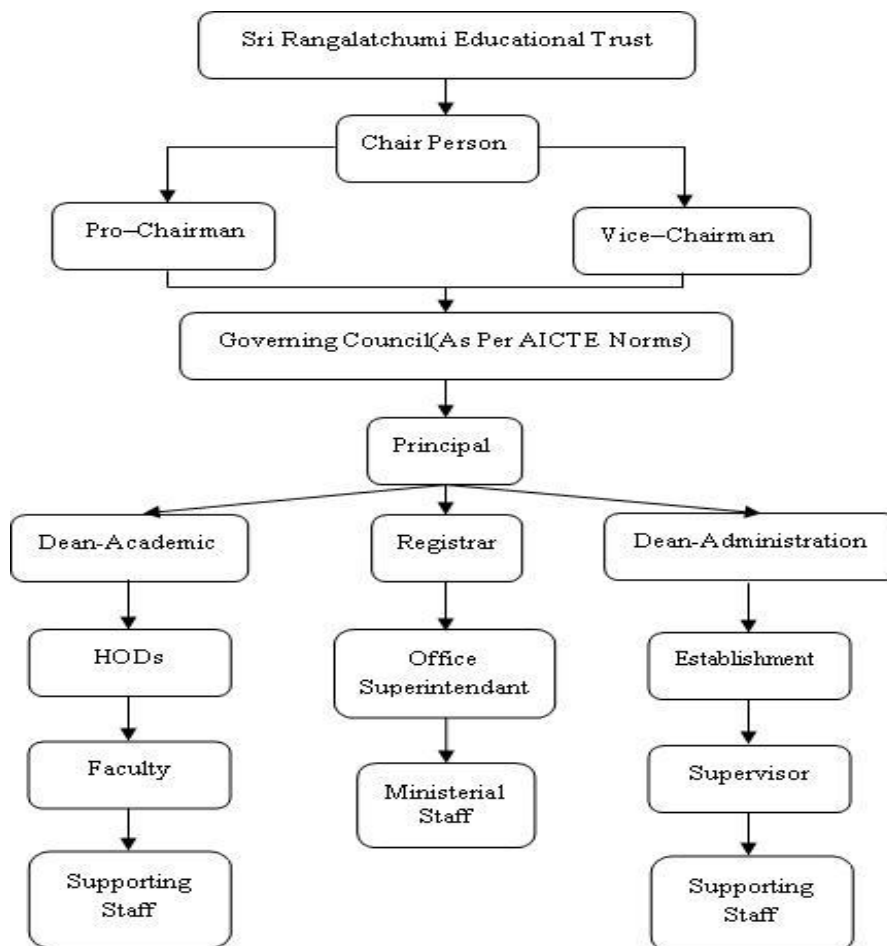
6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

Teaching & Learning

Modern teaching-learning technologies such as multimedia projectors, over-head projectors, charts, video presentation have been adopted by the faculty to implement the TLP (Teaching-Learning Process) effectively in the class rooms. Special arrangements have been made for aptitude and placement classes to the students.

Research and development

The faculty members are encouraged to attend FDPs, Workshops, Seminars and Conferences of different organisations. Almost all the faculty members are involved in research and have published research articles in many international journals. Also, several project proposals have been submitted to different funding agencies.

Community engagement

The NSS, Blood Donation Club and Youth Red Cross held programmes related to health and hygiene, Environment and literacy involving the local community including economically and socially backward classes. The Entrepreneurship Development Cell focuses on the development of entrepreneurs. The students of the college thus get an opportunity for serving society.

Human resource management

This is achieved through:
- Well-defined recruitment policy based on merit of the applicant within the general frame-work.
- Providing a better teaching-learning environment in the institution.
- Providing leave on duty to the faculty for attending seminars, symposia, workshops, invited lectures and research oriented activities.

Industry interaction

The ultimate aim of education is to equip the students to meet the industrial needs. In the present scenario the industry experts are ready to fit in students for their requirement. In this process, the college accomplishes the following activities and facilitates the experts from industry to interact with students.

- Industrial guest lecture is a way of enriching our students with the latest updates of the Industries and Technicalities.
- Industrial visit is an important activity which gives an exposure to the company environment.
- Internships provide work experience opportunities to our students. An internship provides the opportunity to gain hands on work experience that they just cannot get in the classroom.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the Activities of the institution?

- Regular meetings are arranged between the Principal and the Management. In these meetings, the Principal provides enough inputs to the top Management about the feedback obtained from faculty, parents, students and other stakeholders.
- Through HRD Cell and various HoDs these informations are disseminated to all the stakeholders too.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- The Management always encourages and supports the involvement of the faculty in improving the institutional process.
- The HoDs periodically conduct meetings with their faculty members. The faculty members express their views and suggestions in improving institutional processes.
- The suggestions are consolidated and the respective HoD submits them to the Principal.
- The Principal in turn presents them to top Management.
- Also, the faculty members are encouraged to attend seminars, workshops, and conferences, guest lecturers either as participants or as resource persons.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The management has made several resolutions on academic, administrative and financial aspects of the college and they have successfully been implemented. Incentives are given:
- To recognize the hard work of the faculty who produces excellent results and to motivate all others to perform even better.
- To boost the research activity even further
- To the students for the best project in UG and PG level
- To the students, who get university ranks
- To retain faculty with Ph.D. Qualification and to ensure the overall growth of the institution.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If yes, what are the efforts made by the institution in obtaining autonomy?

Yes; the affiliating university makes provisions for according the status of autonomy to an affiliated institution. Our institution has planned to apply for the autonomous status.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

Yes; the Institute has a grievance redressal cell to resolve the grievances of students and faculty.

- Grievances redressal committee conducts meetings frequently and discusses the grievances given by the students and staff, and takes the necessary steps to resolve the grievances immediately.
- Anti-Ragging committee is formed and the contact numbers of the committee members are displayed in all notice boards through which students can contact the committee members for ragging related issues to resolve them.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No.

6.2.11 Does the Institution have a mechanism for analysing student feedback on institutional performance? If yes, what was the outcome and response of the institution to such an effort?

Yes; the institution has a mechanism for analysing the student feedback on the institutional performances.

- The feedback from the students regarding the faculty members, facilities and other issues are received twice a semester.
- By conducting the class committee meeting, the details of the difficulties faced by the students related to academics are collected.
- Student exit feedback is collected at the end of the course.
- By means of alumni meeting the feedback regarding the institution from graduated students is collected.
- As a result of those feedbacks, the Principal is able to interact with the faculty and HODs to improve the institutional performance. Then the Principal conveys the problems discussed in the meeting to the Management. The Management finally takes proper decision to improve the overall competence of the students.
- At the Governing Council Meeting, these problems are discussed and steps are taken to rectify the problems.

6.3   Faculty Empowerment Strategies

6.3.1   What are the efforts made by the institution to enhance the professional development of its teaching and non- teaching staff?

The institution has been taking a lot of efforts for the professional development of the teaching and non- teaching faculty. Unlimited support is

rendered by the Management for the academic enrichment of the teaching and non- teaching faculty.

- All teaching and non- teaching faculty are encouraged to pursue higher studies. Study leave is provided for pursuing higher studies under full- time.
- Faculty doing doctorate degree under part- time can avail the existing laboratory facilities for their research.
- All the faculty can use the internet facility and WIFI anywhere in the campus.
- Latest study materials including e-Journals are provided to the faculty members through the central library.
- Financial assistance which includes registration fee, TA&DA is provided   to attend FDP / Conferences /Workshops / Seminars in their field of specialization.
- All departments have close interaction with professional bodies like IEEE, IETE, CSI, and SAE.
- The institution encourages and sanctions funds to conduct seminar/FDP/workshops/Conferences to upgrade the academic skill of teaching and non- teaching faculty.
- The teaching faculty is motivated to apply and avail funding through projects from different funding agencies.
- The institution encourages the teaching faculty to do the consultancy work with industry.

The following are the details of the teaching and non-teaching faculty actively involved in enhancing their professional competence.

Department	No. of nonteaching Staff attended Training programs	No. of teaching Staff attended Training programs	No. of nonteaching faculty pursuing Higher studies	No. of teaching faculty pursuing Higher studies
CIVIL	Nil	46	6	31
MECH	14	82	5	16
ECE	1	56	1	15
EEE	Nil	55	Nil	14
CSE	11	32	5	19
IT	2	35	1	17
BME	Nil	16	01	03
MCA	Nil	14	Nil	5
MBA	1	18	1	2

6.3.2 **What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

- The faculty members are always motivated to upgrade their qualification
- The faculty members are encouraged and sponsored to attend seminars / Conferences.

- Training programmes and refresher courses are conducted regularly to the faculty to update their skills.
- The institution provides increment yearly and promotes the faculty regularly based on their performance.
- The due recognition and weightage is given for paper presentations and publications in the promotion.
- Transport facility is offered to all the teaching faculty members.
- Women faculty is provided with maternity leave for two months with salary.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

The institution has the practice of evaluating the performance of the faculty members by Faculty Performance Appraisal & Development System (FPADS).

The performance appraisal system has the following components

- Teaching performance
- Continuing education
- Academic research guidance
- Publications
- Memberships, Distinguished Achievements
- Contributions towards Research & Development
- Service to Institution, Department, Students
- Feedback from students and HoD/Principal

A sample of the appraisal form is shown below:

PSNA COLLEGE OF ENGINEERING & TECHNOLOGY

Dindigul - 624 622

Faculty Performance Appraisal & Development System(FPADS)

Name of the Faculty Member :

Designation/Department :

Highest Qualification :

Date of Joining the Institute :

Present post held from :

Parameters	Particulars	Credits	Max. credits	Credits obtained
Teaching performance (Max. credits 20)				
Data have to be provided for two semesters in an academic year and scaled down to 20				
Theory 1	Problem oriented	$0.125 \times$ %age of pass	10	
	Theory oriented	$0.111 \times$ %age of pass		
Theory 2	Problem oriented	$0.125 \times$ %age of pass	10	
	Theory oriented	$0.111 \times$ %age of pass		
Continuing education (Max. credits 10)				
Participation in FDP, STTP, Seminar, Workshop, etc.	Programmes sponsored by organizations like AICTE, UGC, ISTE, AU, etc.	2 Weeks (4 Credits) 1 Week (3 Credits) < 1 Week (2 Credits)	6	
Organizing FDP, STTP, Seminar, Workshop, etc.	Programmes sponsored by organizations like AICTE, UGC, ISTE, AU, etc.	2 Weeks (8 Credits) 1 Week (6 Credits) < 1 Week (4 Credits)	10	
Conferences	Publication by Springer, Elsevier, IEEE Xplore etc.	Organizing secretary - 5 Coordinator - 4 member - 3	5	
Value Added Courses	In association with industry	2 Credits/session	6	
	Indigenously developed & conducted	1 Credit/session		
Academic research guidance (Max. credits 10)				
Details are to be provided for scholars registered in PSNACET centre				
Ph.D guidance	Scholars registered	Guide: 2 per scholar	10	
		Co-Guide: 1 per scholar	5	
	Scholars awarded	Guide: 5 per scholar	10	
		Co-Guide: 2 per scholar	4	
B.E/M.E/M.S projects guidance	No. of projects guided	2 Credits per batch (scholar)	4	

Parameters	Particulars	Credits		Max. credits	Credits obtained
Publications (Max. credits 12)					
Journals	SCI indexed (Annex.-I)	Author - 7, Co-author - 5		12	
	SCOPUS indexed (Annex.-II)	Author - 5, Co-author - 4			
Conferences	Published by Springer, Elsevier, IEEE Xplore etc.	Author - 3 Co-author - 2		10	
	Conducted by IIT, NIT or any professional bodies	Author - 2 Co-author - 1		4	
Citation impact of published work	h-index	index = no. of credits		10	
Authoring Text books	International level - McGraw Hill, Oxford, PHI, Pearson etc.	Author - 7, Co-author - 4		7	
	National level - S Chand, Khanna, Dhanpat Rai etc.	Author - 4, Co-author - 2		4	
Memberships, Distinguished Achievements (Max. credits 9)					
Professional affiliation	Membership in societies	National (e.g. ISTE)		2	
		International (e.g. IEEE)		3	
Editors/ Reviewers in Journals	Peer reviewed journals (as included in Annexure I/II)	Editor-in-Chief		5	
		Editor		3	
		Reviewer		2	
Academic Excellence	Honours, Awards, Medals	National level		3	
		International		5	
Advisory body membership	Industry	MNC		7	
		National		5	
	Institute	University level		7	
		College level		5	
Participation as resource person	Special lecture	International level		5	
		National level		3	
	Session chair	International level		2	
		National level		1	
Contributions towards Research & Development (Max. credits 20)					
Funded research projects	5,000 - 50,000	PI, Co-PI		4	
	50,000 - 1 lakh	PI, Co-PI		6	
	1 lakh - 3 lakhs	PI, Co-PI		8	
	3 lakhs - 5 lakhs	PI, Co-PI		10	
	> 5 lakhs	PI, Co-PI		15	
Consultancy	5,000 - 50,000	Group leader, member		2	
	50,000 - 1 lakh	Group leader, member		3	
	1 lakh - 3 lakhs	Group leader, member		5	
	3 lakhs - 5 lakhs	Group leader, member		7	
	> 5 lakhs	Group leader, member		10	
Development activities		Patents		15	
		Monographs		5	
		Instructional modules		3	
		Innovative projects		10	
		Working models		5	
Industry-Institute Interaction		Design and conduct of training courses with industry		7	
		Development of working models with industry		5	

†Service to Institution, Department, Students (Max. credits 12)				
Administrative Support	College level	NBA, AICTE, UGC, AU documentation	4	
		Programme/Purchase committee convener/member	4/3	
		Responsibility in hostel	3	
		Association/Club activities (e.g. NSS, Fine arts, Rotract, Alumni YRC, Tamil mandram)	3	
		Society activities (e.g. IE, ISTE, IEEE)	4	
		Cell activities (e.g. QIC, Discipline)	3	
	Department level	Class coordinator/tutor	3/2	
		Training & Placement Cell coordinator/member	4/3	
		Exam cell i/c, member	4/3	
		Time-table in-charge	4	
		Library in-charge	3	
		Laboratory in-charge	3	
		Project coordinator	3	
		Association coordinator	2	
		Alumni coordinator	2	
		Attendance in-charge	2	
		Sports in-charge	2	
Parameters	Particulars	Credits	Max. credits	Credits obtained
Feedback (Max. credits 7)				
Feedback		Students	3	
		HoD/Principal	4	

Faculty member   HoD   Principal

Note: *A faculty member has to earn the minimum credits as mentioned in the following table.*

Sl. No.	Designation	Engineering Departments	MBA, MCA, S & H
1	Assistant Professor	40-50	35-45
2	Associate Professor	50-60	45-55
3	Professor	60-70	55-65

† HoDs are awarded the maximum 12 credits under this category for overall administration.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- The faculty appraisal forms are reviewed by the respective Heads of the Departments and the Principal.
- The Principal conveys the performance of the faculty to the management based on the findings, measures are taken.
- The faculty members are given promotion regularly based on their marks secured in their appraisal form.
- If the performance of the faculty is below par, they are counseled by the HoD/the Principal to show better performance in the subsequent semester.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

Various welfare schemes are provided for the benefit of teaching and non-teaching staff in the institution.

- Promotion and increments are given to all the staff members regularly.
- Medical leave, winter and summer vacation leave is provided to all teaching and non teaching staff.
- Women faculty is provided with maternity leave for two months with salary.
- Institution provides transport facility for all the teaching staff and non teaching staff.
- Faculty members opting to stay in hostel are given accommodation with fee concession.
- Employees Provident Fund scheme (EPF) is in place to the teaching and non-teaching right from the year of joining.
- The institution has been arranging free medical check up to all faculties regularly.
- All the teaching and non-teaching members are covered under accident insurance which is made mandatory in the institution.

Welfare Scheme for Teaching Staff/Year	2016	2015	2014	2013
Provident Fund	94%	97%	97%	97%
Maternity Leave	0.05%	4%	2%	2%
Marriage Leave	0.05%	4%	4%	4%

Welfare Scheme for Non Teaching Staff/Year	2016	2015	2014	2013
Provident Fund	88%	85%	85%	85%
Maternity Leave	2%	-	-	2%
Marriage Leave	2%	0.01%	0.01%	0.01%

6.3.6   What are the measures taken by the Institution for attracting and retaining eminent faculty?

The institution takes lots of measures for attracting and retaining eminent faculty. They are

- Providing attractive scale of pay.
- Extending full support for the research & development work.
- Sponsorship for higher studies.
- Providing opportunities for attending conferences in various reputed institutions
- Having systematic performance appraisal and giving due recognition and awards for good performance.
- Making available a number of staff welfare schemes.

6.4   Financial Management and Resource Mobilization

6.4.1   What is the institutional mechanism to monitor effective and efficient use of available financial resources?

- Budget proposals are prepared by HoDs after consultation with teaching and technical staff members based on the requirements of the department and submitted to Principal and Management at the beginning of every financial / academic year.
- The Principal scrutinizes the budget and recommends the same to the Management Committee for the approval.
- The Management sanctions the required amount as per the budget.
- The HODs of the respective departments are given the responsibility for proper utilization of the sanctioned budget.
- All transactions are supported by bills/invoices/vouchers which are scrutinized by the accountant and approved by the Administrative officer.
- The details of the purchased items are entered in the stock register and the bill payments are passed after the physical verification/evaluation of the items.
- Audited financial statements including Income and Expenditure Account, Balance Sheet etc. are prepared by qualified auditors.

Details of Budget Proposed and Utilization (in Rupees) of the college

Dept./Year		2015-2016 (Rs.)	2014-2015 (Rs.)	2013-2014 (Rs.)	2012-2013 (Rs.)
CIVIL	Proposed	32,11,500	22,72,000	25,17,500	16,44,000
	Utilised	31,37,900	19,27,309	22,20,098	12,80,549
MECH	Proposed	1,92,62,682	52,14,500	75,24,500	61,95,500
	Utilised	93,65,120	28,50,681	54,08,120	42,38,326
ECE	Proposed	2068710	1272530	2247530	3408124
	Utilised	1629360	1171611	1829360	3288450
EEE	Proposed	40,66,200	57,82,150	71,18,150	27,25,000
	Utilised	12,44,952	51,08,870	4,61,377	45,84,646
CSE	Proposed	28,92,035	12,95,300	10, 66,290	49, 63, 500
	Utilised	11,60,043	11,05,000	6,11,828	35, 20, 669
IT	Proposed	18,80,000	.20,50,000	19,85,000	19,89,000
	Utilised	1548290	1730002	1843370	1786453
BME	Proposed	5,98,284	13,93,510	7,33,400	9,37,000
	Utilised	3,43,741	3,00,406	51,528	9,60,311
MCA	Proposed	507000	600000	1000000	1250000
	Utilised	154539	817523	119467	1219062
MBA	Proposed	-----	15662915	15080500	15357800
	Utilised	-----	15062864	14480597	14757857

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance

An effective mechanism is followed by the institution for auditing all the accounts. The institution has appointed a full time Charted Accountant Mr. M.Shahabudeen B.Com. FCA, designated as Senior Finance Manager who verifies and checks bills and vouchers, passes the bills, manages the fund and determines the fee after the discussion with the management. The institution has both internal and external audit mechanisms. Mr.N. Rathina Sababathy, Trichy acts as an internal auditor who visits once a month to scrutinize all the bills and submit the report to the management .The institution conducts external audit every year by Mr.Manian subbiah, Chennai to check and finalize the accounts. Last internal audit was done upto May'16 and External audit up to May'16. As on date there is no adverse remark on the accounts of the institution. The college also files income tax return every year within the stipulated time.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

- The fee collected from the students in different heads is the major source of institutional receipts/funding.
- The management meets out its major expenses by availing bank loans.

- Every department is encouraged to do consultancy projects for Industries for augmenting the resources.
- For the sponsored projects, eligible amount is reimbursed by the corresponding agencies on production of audited expenditure statements.
- The audited income and expenditure statement of academic and administrative activities of the previous four years are given below.

P.S.N.A.COLLEGE OF ENGINEERING & TECHNOLOGY, DINDIGUL - 624 622, Unit of Sri Rangalatchumi Education Trust

BALANCE SHEET AS ON 31/03/2012

P.S.N.A.COLLEGE OF ENGINEERING & TECHNOLOGY, DINDIGUL - 624 622, Unit of Sri Rangalatchumi Educational Trust

BALANCE SHEET AS ON 31/03/2013

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

- In addition to the fee collected from the students, if required, the institution secures additional funding through term loans and over draft loans from commercial banks.
- The institution encourages its members of faculty to do consultancy services from various industries and organizations. The revenue generated out of the consultancy is shared between college and faculty concerned in the ratio of 60:40.
- Faculty members are motivated to submit research proposals to various funding agencies.
- The Head of the Department encourages the faculty members regularly to submit proposal for organizing the FDP/ Seminar/

workshop to funding agencies like CSIR, AICTE, ICMR, DRDO and TNSCST etc.

- The college also receives funding from various central and state government agencies for conducting seminars, workshops and short term training programs as sponsorship amount. This amount is exclusively used for intended purpose. Audited statement and utilization certificate are submitted to the respective agency after the completion of the event.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)
   a) **Has the Institution established an Internal Quality Assurance Cell (IQAC)? If yes what is the Institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

The institution has established Internal Quality Assurance Cell (IQAC) on 02-07-2016. In addition to this, the college has various mechanisms by which quality is assured in every aspect of functioning of the college.

   b) **How many decisions of IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?**

Not Applicable

   c) **Does the IQAC have external members on its committee? If so, mention any significant contribution made by them?**

Not Applicable

   d) **How do students and alumni contribute to the effective functioning of the IQAC?**

Not Applicable

   e) **How does the IQAC communicate and engage staff from different constituents of the institution?**

Not Applicable

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

Yes. The institution has an integrated framework for quality assurance of the academic and administrative activities in the form of management

committee, acadmic council, class committee, grievance redressal committee, anti-ragging committee etc. The details are given below:

Name of the committee	Members of the committee	Functions	Outcome
Management Committee	Management Trustees and the Principal	Once in a semester meets to decide on certain policy matters and reviews the progress in academic, research, placement etc.,	Advance planning of academic and infrastructure extension activities
Academic council	Principal and HoDs of all departments	To redefine PEO and POs as and when deemed fit. To modify the mode of teaching as fitting to the needs of the students. Enhance the quality of students projects and faculty research	The quality of teaching and learning process, research enhanced and ensured the academic regularity.
Class Committee	Chairman (Senior Faculty member from department other than the class involved),faculty members handling subjects and at least 4 representatives from the concerned class	To obtain students feedback class wise thrice a semester on (a) teaching learning process (b) infrastructure facilities and (c) general ambience of the academic environment	Continuous monitoring of the effective handling of classes and evaluation procedures.Regular updating of resources, timely redressal of students grievances if any.
Grievance Redressal Committee	Principal and Senior Faculty members	To receive the complaints from the students. To take care of the suggestions and grievances of the students. To conduct the review meeting to rectify.	Students feel friendly, and safe.
Anti-ragging Committee	Senior staff member from each department	To make periodic and surprise visit in the college as well as hostel campus.	Ragging-free environment in the campus ensured.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

Yes. The institute provides training to its academic staff for effective implementation of the Quality assurance procedures. This is done through:
- Organizing in-house workshops for staff, members
- Encouraging the faculty to attend orientation courses, refresher courses and soft skills training programmes as well as workshops and seminars for knowledge enhancement/updates in the subject

- Encouraging the faculty to present papers at National & Inter National Conferences
- Encouraging the faculty to undertake research activities, minor and major research projects.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If yes, how are the outcomes used to improve the institutional activities?

Yes. The college conducts academic audit of all its departments. A team of faculty members trained in conducting internal audit are entrusted with the responsibility of conducting the audit objectively through checking, inspecting, and verifying records & documents, log books, lab manuals, work area observation, and interviewing of concerned persons. Finally the consolidated audit report is submitted to the management for review and to take necessary measures for enhancing the quality.

The shortcomings in the teaching learning process, continuous learning process are taken into consideration and corrective measures are taken to improve the outcome based education. The teaching methodologies are enhanced and better progress is achieved in the academic performance of the institute.

6.5.5   How are the Internal Quality Assurance mechanism aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The Internal quality assurance mechanisms have been designed and formulated in such a way that the outcomes of the mechanisms will automatically fulfil the expectations of external regulatory bodies / quality assurance agencies. The objectives, functions and outcomes of the Management committee, Acadmic council, Class Committee, Grievances Redressal Committee and Anti-ragging Committee reflect how well the quality assurance mechanisms are inclined and oriented towards the requirements of external quality assurance agencies.

6.5.6 What Institutional mechanisms are in place to continuously review the teaching – learning process? Give details of its structure, methodologies, operations and outcome.

The Institutional mechanisms in place to continuously review the teaching – learning process are
- Proper planning of budget for the future semesters resulting in improvement, in infrastructure purchase of equipment, consumables and maintenance.
- Academic calendar prepared well in advance with plans for the whole academic year.
- Recruitment of qualified and dedicated teachers.
- Subject allocation based on the proficiency of the teacher.
- Faculty are instructed to prepare systematic lesson plan and organized course material including question bank and get them

verified through the course coordinator and subsequently by the HoD.

- Time table framed with hours allotted for library, seminar, tutorials and value added programmes.
- Enriching the curriculum with guest lectures, industrial visits and in plant training.
- Monitoring of attendance and performance of students through automation software of the college.
- Effective internal test and evaluation systems.
- In tune with the outcome based approach, the question papers for the internal tests are framed with the specific pattern which will enable the assessment of the attainment of enlisted Course Outcomes (COs) for each course.
- Entry of marks and attendance in the college software and monitoring overall semester wise performance.
- Prompt communication to parents about their ward's performance and attendance.
- Feedback received from the students during class committee meetings and through structured questionnaires.
- Regular parent –teachers meetings to enable discussion on feedback and taking improvement measures.
- Remedial measures taken for slow learners and regular absentees.

The outcomes are

- Increase in the pass percentage in internal test as well as in university examination.
- Increase in the number of students placed in IT and core companies.
- Increase in success rate among the students appearing for competitive exams like GATE/GRE/TOFEL/CAT etc and increase in the students going for higher education in India and abroad.

The mechanisms to continuously review the teaching learning process are:

The Principal and HoDs of the college evaluates delivery effectiveness of teaching methods. Knowledge absorption and assimilation by students are constantly monitored. Lesson plan and learning material are prepared for a semester. These get verified/checked at different stages in accordance with syllabus and scheme of examination given by Anna University. The teaching–learning process is facilitated through qualified, trained and experienced faculty members. Apart from class room teaching, students are encouraged to use library and internet facilities. The faculty members maintain log book and record of daily instruction delivered, practical classes conducted and other such activities performed. The effectiveness of teaching learning process is reviewed on regular basis. The feedback is received from students and is reviewed by HoD.If the feedback about a particular staff is below par, he/she is counseled by the HoD.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The institution communicates its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders through

- Institute website
- Circulars
- Notice Boards
- Library
- Mails
- Prospectus and Brochures
- Magazines and Newsletters
- Calendar
- Displaying in prominent places inside and outside the institute
- At industry-institute meets
- Parent and Alumni meets
- Newspapers.

CRITERION VII

INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

- The institution is located in a sprawling 150-acre campus with greenery in and around the campus. The institution takes lots of efforts to monitor the up keep and maintenance of the campus.
- Personnels have been engaged to maintain the trees and flower plants
- The institution received Green Campus Award from Pollution Control Board in the year 2013.
- The institution has different associations like NSS, YRC and HELPS etc which organize tree plantation internally and externally from time to time on special occasions.
- Recycled water is used for maintaining green campus.
- Dried leaves are used as mulch.
- Solid waste management is done through dumping in nearby compost pit.
- The college has ensured reduction of carbon emission by installing solar panels in the college hostel premises.
- The institution constructed nearly 15 rainwater harvesting setup.
- Bio-Gas plant is available to reduce carbon pollution.
- The institution regularly monitors and maintains the sanitary process, which keep the environment clean and healthy.
- The institution has Reverse Osmosis plant for the supply of pure drinking water to college and hostel.
- Generators of the college which are located in a separate power house provided with enclosures to eliminate the noise pollution.

7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?

Energy conservation
- Building structures are designed with high natural lighting and ventilation to minimize lighting needs.
- The students and staff members are aware of the importance of energy conservation. The students have been made self responsible by switching off the lights and fans and air conditioners whenever not in use. Energy conservation stickers and banners have been put up in the college and hostel.
- The college has an Energy Audit Cell with a certified Energy Auditor.
- The UPS Batteries are maintained in good condition which reduces charging current of batteries.
- Electrical equipments are periodically checked and monitored to ensure energy conservation.
- CFL and LED bulbs are used wherever possible.
- Speed regulators are installed in all college buses to save fuel consumption.

Use of renewable energy
- Solar panels have been installed on roof-top of the hostel mess block which is used for cooking purpose.
- In college, an Energy Club in the name HELPS is active since 2013. This club constantly organizes various awareness programmes pertaining to energy management and conservation.
- The lawns and saplings in the garden are watered by the recycled waste water.
- Research on biodiesel and solar are being carried out by faculty members and students.
- The institution is in the process of setting up an energy park inside the campus.

Water harvesting
- Almost all the buildings in the campus are provided with rain water harvesting facility, in order to increase the water table, as a part of conservation and preservation of natural water.
- Drip irrigation sprinkler system is installed to minimize the water consumption.

Efforts for Carbon neutrality
- College provides bus facilities to the faculty members and non-teaching staff with an aim to avoid the use of individual vehicles and thus reducing carbon emission.
- A number of trees have been planted in the campus. The institution maintains lush green lawns, trees and flowering bushes to strive towards carbon neutrality.
- Emission test certificates are mandatory for the vehicles in the campus.
- All the vehicles are not allowed inside the campus except a few VIP cars.
- Cigarettes and tobacco products are strictly banned within the campus.

Plantation
- The campus is filled with greenery, in and around, with conscious efforts of the institution. More than 300 plants and trees are grown all over the campus.
- Well-trained team of gardeners maintains the plantation within the campus.
- Planting trees is an integral part of the activity of the HELPS club and NSS of the college. About 69 saplings have been planted recently by HELPS club to mark 69th Independence Day.
- Whenever the dignitaries visit the College, they are requested to plant saplings to honor their visit.

Hazardous waste management
- No hazardous waste is produced within the campus.

E-waste management

- The UPS batteries are recharged till the maximum number of cycles and once their life is over, given to the authorized dealers who purchase the scrap.
- The life of the electronic items is extended by proper maintenance and taking care of minor repairs by the lab technicians.

7.2   Innovations

7.2.1   Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.

The college has had tremendous developments and has introduced a number of innovations in infrastructure, teaching and learning, administration, student support and progression. They are mentioned below:

- The inaugural function is conducted on first day for the fresher and they are taken to the department labs/ workshops and main library to show the facilities available and a weeklong orientation programme is organized.
- The institute has a comprehensive placement training programme which is executed through qualified faculty of the college and experts from industries.
- Training for campus recruitment has been intensified and the training begins from the first year itself. The second year sets pace for language and communication skills development and from the third year onwards focused training is given on group discussion, mock interviews, presentation skills and facing technical aptitude tests.
- The institution has signed MOUs with reputed companies like TCS, WIPRO, INFOSYS, SIEMENS and CISCO etc., in order to provide industrial training, guest lectures, job opportunities, and opportunities to carry out project works of the students.
- Personality Development Programmes are conducted to help the students and faculty to develop their communication skills and body language.
- The department of English has been taking efforts in conducting the internationally recognized, Business English Certification (BEC) Programme offered by University of Cambridge for the students.
- Mission10X workshop is regularly conducted by Wipro Ltd. Mission10X is created not only for profit initiative but also to enhance the employability skills of engineering graduates. Faculty members from all the departments successfully completed this training programme and started practicing these learning in their classroom sessions.
- More emphasis is given on research activities and publication of research papers by students and faculty members.
- All the departments have started applying for funding to conduct academic programmes like seminars and workshops.

- All the departments of college are approved as RESEARCH CENTRES of Anna University to pursue M.S and Ph.D programmes.
- Continuous evaluation, regular monitoring and review of performance of teachers is done based on feed back system and pass percentage of the subjects handled by them.
- To make the students practice in their problem oriented courses, tutorial classes are introduced in the curriculum. In these practice classes, students interact with the teacher concerened to make their doubts cleared. Tutorial courses are conducted to enhance the problem solving skill of the weak and slow learners. Two faculty members are present in the class during the tutorial hour to help the student.
- The college conducts remedial coaching for the slow learners, which helps them to cover up their gaps in learning.
- The college has centralized examination cell with senior faculty members who effectively conduct the internal tests as well as university examinations.
- Value added courses are conducted for covering the contents beyond the syllabus to bridge the gap between industry and institution. Every department organizes value added courses in their respective field by industry experts in order to enhance the employability skills of the students and also to make the students industry ready.
- The Internal tests and University exams marks of all students are sent to their parents periodically.
- Apart from this, a special link is provided in the college website where the parents can view the overall academic activities of their wards in the college. The parent teacher meetings are also conducted regularly by all the departments.
- A Management Review Committee is in place to review all the academic activities for further development of the college.
- The college library is computerized with OPAC system. All library operation is automated. The students can access E-books, E-journals, old question papers, NPTEL videos and video lectures of professor etc. to improve their technical knowledge. There is a separate block in the library for the faculty and students to access internet facility.
- The college has many professional bodies with students as members like IETE, IEEE, ISTE, CSI and SAE which conduct different technical events to the students.
- All the departments invite eminent scholars, academicians and industrialists for guest lectures.
- Department associations organize symposia, conferences and alumni lectures, periodically.
- The faculty members develope their knowledge by attending Faculty Development Programme and quality improvement programmes.
- All classrooms in the college converted into smart classes with LCD projector.

- The college introduced Wi-Fi internet connectivity in the college and hostel campus.
- Separate blocks are constructed for almost all departments along with air conditioned computer lab and seminar hall.
- EDUSAT facility is available in the college.
- The institute has Energy club in the name HELPS to create awareness about energy conservation among the students and the faculty members by conducting programmes regularly.
- All the departments organize and conduct training programmes for unemployed rural youth at regular intervals.
- The college installed Reverse Osmosis plant for the supply of Purified drinking water.
- Campus has been beautified with garden and plants.
- Both gents and ladies hostels are extended with additional blocks.
- Solar panels are installed in the hostel for cooking purpose.
- The modernized indoor stadium has been constructed to improve the sports activities of the students.
- Tamil Mandram of the institution regularly conducts programmes to highlight our culture and heritage.

7.3   Best Practices

7.3.1   Elaborate on any two best practices which have contributed to the achievement of the institutional objectives and / or contributed to the quality improvement of the core activities of the college.

Best Practice 1
Title: Training & Placement

Goals
- To enable the students to have a sound technical knowledge in their area of study
- To conduct value added programmes and career guidance programmes to the students
- To improve the programming knowledge of students
- To train and practice the students in time- bound answering of aptitude tests
- To help students excel in language and communication skills
- To prepare the students for different levels of selection process such as presentation skills, group discussions and one-to- one interviews
- To boost the confidence level of the students through soft skills training
- To inculcate the importance of projecting a smart appearance by personality development programmes
- To groom the students to the corporate level
- To ensure that all eligible students are employed at the end of the final year of their course

The Context

   The trend in Tamilnadu is a massive inclination towards Engineering Education in the past few years and it has not let off. The major reason for this preference is the employment opportunities in the IT, core companies and other corporate sectors that offer fresh graduates attractive pay packages. When there are 550 Engineering colleges and deemed to be universities providing professional education, an institution can find a place of repute only if it provides excellent technical knowledge and job through campus placement to the students. If not, the very survival of the institution is put under a question mark. In this context, it has become imperative for a reputed institution like ours to ensure to do the level best, that its primary stake holders are satiated with respect to their expectations. Our Management being not new to this aspect of success has had a pointed focus on training the students for campus placement from first year onwards. The institution has a dynamic placement cell with an experienced Placement Officer in charge. The placement process of the college has taken a leap towards successful placement of students.

The Practice

   The campus recruitment comes under the purview of the placement officer who takes care of all the activities of the placement cell. The placement officer is assisted by a team of placement coordinators drawn from each department – three faculty members and three student members. This team plans and coordinates the activities related to placement training. At the end of the third year, students are given the choice to opt for campus placement, the other choices being progression to higher studies/ aiming to be an entrepreneur. The choice of the student is endorsed by the parent / guardian in writing. This choice streamlines the student towards his/ her future. The intensive placement training is offered only to those who have opted for campus recruitment. It is worth mentioning that till third year, all the students undergo the common training programs irrespective of the options they may be choosing. Such an approach to the training programs ensures that all students get quipped to employability to a certain extent. The time table incorporates the periods allotted for accommodating the placement activities. A systematic and scientific approach has been developed for effective training of the students towards campus recruitment. The following table provides the details of placement training given to the students in their four years.

Year	Activities
First Year	Training in Mathematics and General Aptitude Tests ,Enhancing language skills
Second Year	Communication skill development ,Mathematical aptitude training,Training in programming skills
Third Year	Intensive training in programming skills, Intensive training in numerical skills(Oriented towards company specific requirement)
Final Year	Intensive training for group discussion, technical and HR interview

The institution has signed MoUs with reputed industries like Infosys, TCS and Wipro technologies etc. to have a constant touch with them. The placement cell regularly contacts the recruiting companies for campus placement. To augment the training given by the faculty of the college, resource persons of repute are brought in to enhance the skills of the students. The placement cell invites external experts and trainers from different academies to render soft skill training and general aptitude training to the students. The on- line placement tests are also conducted on a regular basis to enhance aptitude, mental ability and reasoning skills of the students. The placement cell also arranges industrial visits, in-plant training and industry projects to impart practical knowledge and industry practices among the students. The college emphasizes on the dress code of students as part of grooming the students. The students should strictly adhere to the dress code .Boys should wear formals with shirts neatly tucked in with formal belts, formal black shoes with black socks. They should not sport a beard and should have proper hair cut. Girls should come with formal salwar –kameez / chudithars with neatly plaited hair, black shoes and black socks. During all the college occasions and at the time of campus recruitment the students are definitely required to wear the college blazer. The placement cell also informs the students about the placement conducted at other reputed institutions. The institution provides all the facilities for the students to attend off campus through placement coordinators.

Evidence of Success

All the efforts made by the institution have resulted in tremendous and a note-worthy placement record. The following bar chart picturizes the data of placement for the past four years. The numbers in placement are expected to go up in the coming years
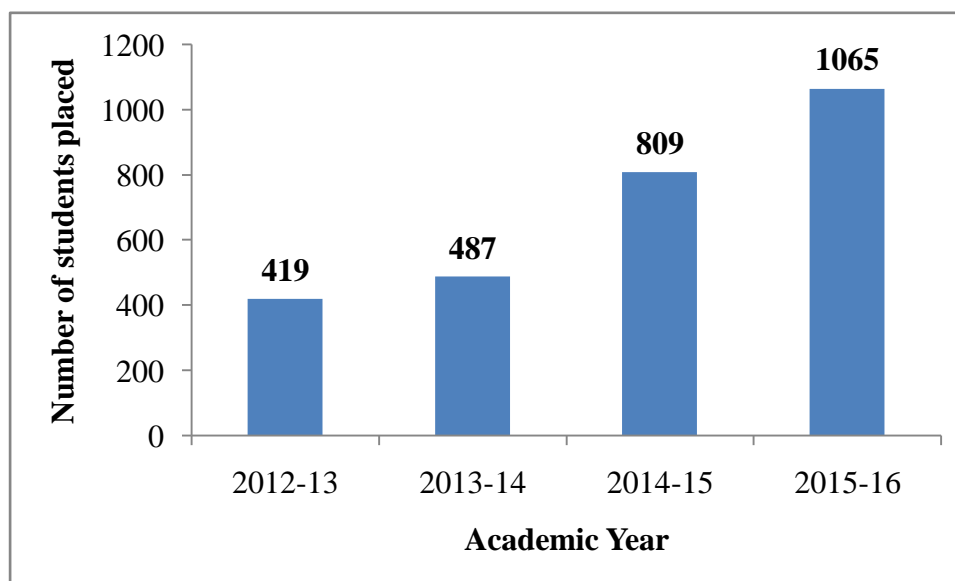
Problems Encountered and Resources Required

- The top recruiting companies that come for campus selection demand for Day 1 and it is very difficult to meet the demand.
- Companies that offer attractive packages claim priority over other companies – zero day – for campus recruitment.
- Although certain companies are willing to offer week-end internships spreading over two or three months, due to tight academic schedule, financial constraint on the part of the students, commuting distance etc., students are not able to utilize such opportunities
- Personnel with expertise in aptitude tests and in developing soft skills can permanently be employed for continuous training of the students

Best Practice 2
Title: To improve the research potential of faculty members

Goals

- To inculcate the culture of research among faculty
- To encourage the faculty members to do the higher study.
- To motivate the faculty members publish research articles in reputed conferences and indexed journals.
- To give impetus and assistance to faculty to apply to funding agencies like AICTE, DST and DRDO for furthering their research work.
- To identify the emerging and thrust areas of research and disseminate the information to staff
- To provide necessary infrastructure, human resources and motivation to nurture the research competencies among the faculty members.

The Context

The repute of any engineering institution rests on teaching – learning process and R & D activities. The college offers 7 UG and 9 PG degree programmes in various engineering departments. It is the responsibility of faculty members to inculcate effective learning methodology in their students to understand various engineering concepts. To accomplish this, they need to be creative and innovative in their approach to teaching / learning activities and should possess holistic idea about the subjects what they taught, which requires some level of research competencies in the teaching faculty members. Research therefore is the back bone for the development of the students, teachers and the institution. The college being conscious of this state of affairs, has been giving dynamic thrust towards developing and augmenting the research activities of the college to keep abreast of the advances in the fields of Engineering & Technology. Inculcating research aptitude in faculty members has taken priority almost equal to the teaching-learning process. The outcome of research should be relevant to the societal needs and a section of the society at least should be direct beneficiaries. Therefore, taking up research activities shapes a person with moral responsibility and a value system that enhances his/ her commitment towards fulfilling the needs of the society.

The Practice

The institute motivates all faculty members to pursue Ph.D. All departments are approved as Research centres of Anna University for pursuing M.S and Ph.D programmes. The institution inspires the faculty members to publish the research papers, attending national/ International conferences and to carry out consultancy work. The faculty members are encouraged by providing special casual leave, registration fee and TA/DA to attend seminar, workshops, FDP and conferences to enhance their research knowledge. MoUs have been signed between the institution and various industries to carry out the research and consultancy activities. External experts from bodies like DST and DRDO are invited to address the faculty to give assistance in preparing a project report to be submitted for funding. Eminent researchers are invited to campus for delivering lectures during National and International seminars/ workshops/ conferences organized by the various departments in the college to boost the knowledge level of the faculty and the students.

Evidence of Success

The number of Ph.D. degree holder in the institution has been increased considerably. The results of above said practice increase the number of papers published by the faculty members. The number of faculty members attending workshops, seminar and FDP have been increased. Many research project proposals have been applied to various funding agencies.
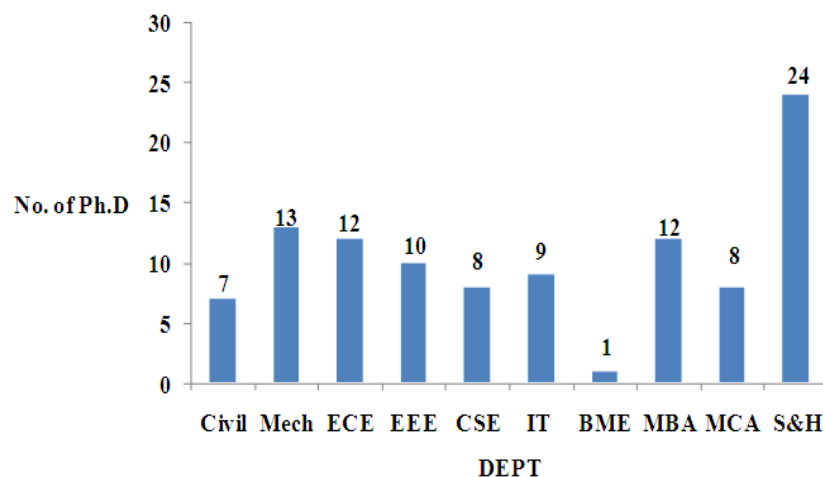
No. of articles published by the faculty members of different departments in the past four years are given below

Department	CIVIL	MECH	ECE	EEE	CSE	IT	BME	MBA	MCA
No. of Publications	82	187	308	209	385	205	54	88	127

Some of the funded projects received in the past four years are given below

S. No	Name of the Faculty/Dept	Name of the Funding Agency	Title	Amount Received (Rs.)
1	Dr.N.Mahendran Civil	NHAI, Govt. of India	Traffic Census data collection for NH209	14,00,000
2	Dr.D.Vasudevan Mech	AICTE	Experimental and numerical investigation on damping and sound absorption capacity of natural fiber composite porous materials	11,58,000
3	Dr.G.Athisha & Dr.K.Meena @ Jeyanthi, ECE	AICTE	Modernization of Advanced Communication Engineering Laboratory	1500000
4	Dr.K.Adalarasu , ECE	DEBEL, DRDO	EEG Signal Processing Algorithm for Cognitive Status Determination	891000
5	Dr.P.Ganeshkumar, IT	AICTE- RPS	Implementation processor power calculator in ADHOC Network Notes	315000
6	Dr.D.Shanthi , CSE	AICTE	Inclusion of FACE biometric security system using hidden markov and neural networks in banking sector	335000
7	Dr.N.Umamaheswari& Ms.S.Jeyanthi, CSE	AICTE	Fingerprint Recognition System for Latent Overlapped Images	360000

Problems Encountered and Resources Required

- The faculty members have difficulty in finding the time to carry out this type of activities due to their academic commitment.
- More generous seed money / advance from the management for preliminary work or while awaiting funds from agencies is always welcome.
- If the funding agencies point out the reason for rejecting the proposal or offer suggestions for improvement, it will go a long way in the development to faculty.

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EVALUATIVE REPORT OF ENGINEERING DEPARTMENTS

1. **Name of the department   CIVIL ENGINEERING**

2. **Year of Establishment: 1984**
   Establishment date need to be specified and provide the details about increased intake

UG

Sl.No.	Year	Intake
1	1984	60
2	2013	120
3	2014	180
4	2015	300

PG – M.Tech. Remote Sensing

Sl.No.	Year	Intake
1	2005	18

PG – M.E. Structural Engineering

Sl.No.	Year	Intake
1	2011	18
2	2014	36

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**
   B.E. - CIVIL ENGINEERING
   M.E. - STRUCTURAL ENGINEERING

4. **Names of Interdisciplinary courses and the departments/units involved**

Sl.No.	Name of Interdisciplinary Course	Departments Involved
1.	Transforms and Partial Differential Equation	Mathematics
2.	Numerical Methods	Mathematics
3.	Principles of Management	MBA
4.	Environmental Science and Engineering	Physics & Chemistry
5	Communication and soft skills - lab	English

5. **Annual/ semester/choice based credit system (programme wise) -** Semester

6. **Participation of the department in the courses offered by other departments**

Sl.No.	Name of Interdisciplinary Course	Departments Involved
1.	Strength of Materials Lab	Mechanical
2.	Fluid mechanics and machinery Lab	Mechanical

7. **Courses in collaboration with other universities, industries, foreign institutions, etc. -** NIL

8. **Details of courses/programmes discontinued (if any) with reasons -**
   M. Tech. Remote Sensing – Lack of Admission

9. **Number of teaching posts**

	Sanctioned	Filled
Professors	06	05
Associate Professors	11	03
Asst. Professors	29	39

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)**

Name of the faculty	Qualification	Designation	Specialization	No.of Years of Experience	No.of Ph.D Students guided for the last 4 years
Dr. N. Mahendran	M.E,Ph.D	Professor & Head	Geotechnical and Structural Engg.	26 years 08 months	02
Prof. Y. M. Siddaramaiah	M.E	Professor	Irrigation Engg	25 years 10 months	--------
Dr. GVT. Gopala Krishna	M.E,Ph.D	Professor & Head-U.G	Environmental Engineering	18 years 04 months	--------
Dr. S. Mahendran	M.sc,Ph.D	Professor	Geology	13 years 11 months	--------
Dr. S. Vimala	M.E,Ph.D	Professor & Head-P.G	Structural Engg.	26 years 2 months	--------
Dr. C. Jayaguru	M.E,Ph.D	Associate Professor	Structural Engg.	12 years	--------
Dr.M. Sivakumar	M.E,Ph.D	Associate Professor	Construction Engineering and Management	19 years 09 months	--------
Mr. C. Jaideep	M.E	Associate Professor	Environmental Engg	14 years 01 months	--------
Dr. J. Selwynbabu	M.E,Ph.D	Assistant Professor	Structural Engg	09 years 03 months	--------
Mr. M. Mohan	M.Tech	Assistant Professor	Environmental Engg	09 years 01 months	--------
Mr. B. Ganesh Kumar	M.Tech	Assistant Professor	Remote Sensing	08 years 07 months	--------
Mr. K. Rajesh Kumar,	M.E	Assistant Professor	Structural Engg	09 years 07 months	--------
Mr. N. Gurumoorthy	M.E	Assistant Professor	Structural Engg	05 years 10 months	--------
Mr. R. Vandhiyan	M.E	Assistant Professor	Structural Engg	10 years 7 months	--------
Mr. T. Manikandan	M.E	Assistant Professor	Structural Engg	05 years 10 months	--------

Mr. M. Vinod Kumar	M.E	Assistant Professor	Structural Engg	05 years 05 months	--------
Mr. B. RanjithBabu	M.E	Assistant Professor	Structural Engg	03 years 10 months	--------
Mr. S.M.Subash	M.E	Assistant Professor	Infrastructure Engineering and Management	04 years 01months	--------
Mr. M. Nagarajan	M.E	Assistant Professor	Infrastructure Engineering & management	02 years 11 months	--------
Mr. M.Manoj Kumar	M.Tech	Assistant Professor	Environmental Engineering	02 years 11 months	--------
Mr.P.M.DhureenKarthik	M.E	Assistant Professor	Structural Engineering	02 years 11 months	--------
Ms. M. Poorani	M.E	Assistant Professor	Structural Engineering	01 years 11 months	--------
Mr. S. Sivakumar	M.E	Assistant Professor	Structural Engineering	01 years 11 months	--------
Mr. R. Yuvaneshkumar	M.E	Assistant Professor	Structural Engineering	01 years 11 months	--------
Mr. S. Krishna prashanth	M.Tech	Assistant Professor	Environmental Engineering	01 years 11 months	--------
Ms. S. Deepa	M.E	Assistant Professor	Structural Engineering	04 years 04 months	--------
Mr. T.Suresh	M.E	Assistant Professor	Structural Engineering	01 years 10 months	--------
Mr. A.Chandrasekar	M. Tech	Assistant Professor	Construction Engg & Management	05 years	--------
Mr. C.Rajendra Prasath	M.E	Assistant Professor	Structural Engineering	02 years 09 months	--------
Mr. M.SarathBabu	M.E	Assistant Professor	Soil Mechanics & Foundation Engg	01 years 09 months	--------
Mr. M.Naveen Prasad	M.E	Assistant Professor	Structural Engineering	01 years 11 months	--------
Mr. T.J.Vijay	M.E	Assistant Professor	Structural Engineering	10 months	--------
Ms. S.Jeyasudha	M.E	Assistant Professor	Environmental Engineering	03 years 06 months	--------
Mr.S.Sivakumar	M.E.	Assistant Professor	Structural Engineering	12 Years	---------
Ms.R.ShreeVidhya	M.Tech.	Assistant Professor	Environmental Engineering & Management	1 Year	--------
Ms.M.Antony Rachel Sneha	M.E.	Assistant Professor	Structural Engineering	1 Year 7 Months	--------
Mr.M.Naveed Ahamhed	M.Tech.	Assistant Professor	Structural Engineering	NIL	-------
Ms.E. Sindhumathi	M.E.	Assistant Professor	Structural Engineering	NIL	-------
Mr.K.Baskar	M.E.	Assistant Professor	Structural Engineering	9 Years 2 Months	--------

Mr.M.RajaSekar	M.E.	Assistant Professor	Constructional Engg. & Management	5 Years	--------
Mr.K.VinoBalaji	M.E	Assistant Professor	Infastructure Engg. & Management	1 Year 9 Months	-------
Mr.P.MuthuAnand	M.E.	Assistant Professor	Structural Engineering	1 Year 9 Months	------
Mrs.M.Kayalvizhi	M.E	Assistant Professor	Infastructure Engg. & Management	2 Years 6 Months	------
Ms.N.ShreeVidhya	M.E.	Assistant Professor	Structural Engineering	1 Year 11 Months	------
Ms.Diana Alice Sugunan	M.Tech.	Assistant Professor	Geo Technical Engineering	NIL	------
Mr.K.Sivasubramanian	M.Tech.	Assistant Professor	Constructional Engg. & Management	9 Months	------
Mr.V.Subburaj	M.Tech.	Assistant Professor	Constructional Engg. & Management	10 Years	-------

11. List of senior visiting faculty – NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty NIL

13. Student -Teacher Ratio (programme wise)
UG - 15:1 PG - 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1.	Technical	08	11
2.	Administrative	02	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty Members
Ph.D.	07
M.E.	40
B.E.	--------

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sl. No.	Name of the Project	Name of the Funding Agency	Name of the Project Investigator	National / International	Total Grant Received
1	Urban Air Quality Monitoring Station	Tamilnadu Pollution Control Board	Dr.N. Mahendran	National	1,00,00,000/-

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received Please use the above table and club it according to funding agency. For Ex. If we have two grants received from DBT.

Sl. No.	Name of the Project	Name of the Funding Agency	Name of the Project Investigator	National / International	Total Grant Received
1	Establishment of Dynamic Testing facility in structural Engg. lab	AICTE	Dr.N. Mahendran	National	10,000,00/-
2	FDP on Geospatial Technology and its applications	DST,NRDMS	Dr.N. Mahendran and Dr.N.Prabhakaran	National	5,00,000/-
3.	Traffic Census Survey along NH209	NHAI, Govt. of India	Dr.N. Mahendran	National	Rs. 14.02 Lakhs
4.	Design of High Strength Pavements	TNSCST	Dr.N. Mahendran	National	Rs. 6000
5.	Disaster Management and Mitigation	TNSCST	Dr.N. Mahendran	National	Rs. 5000
4.	Application of Geosynthetics for dewatering tannery sludge	TNSCST	Dr.N. Mahendran	National	Rs. 5000
6.	GIS modelling on effect of leachate from municipal solid waste	TNSCST	Dr.N.Prabhakaran	National	Rs. 5000
7.	Flouride Hazard mapping	TNSCST	Dr.N.Prabhakaran	National	Rs. 6000
8.	Subsurface Ground water analysis	TNSCST	Dr.N.Prabhakaran	National	Rs. 6000
9.	E-governance of rural areas through Remote Sensing and GIS	TNSCST	Dr.N.Prabhakaran	National	Rs. 6000

18. Research Centre /facility recognized by the University

The department of civil Engineering is a recognized research centre of Anna University Chennai. There are totally four recognized research supervisors in the department. Ph.D. and M.S. research programs of Anna University are offered in the department and 16 research scholars are pursuing their Ph.D. research in the department. Two research scholars have

successfully completed Ph.D. research in the academic year 2015-16. The details of research scholars registered with the department are as follows:

S.No	Guide Name	No of Scholar
1.	Dr. N.Mahendran	09
2.	Dr. G.V.T Gopalakrishna	05
3.	Dr.S.Vimala	02
4.	Dr.C.Jayaguru	01

In addition, the deparment has promoted research by establishing a dynamic testing facility using servo-hydraulic dynamic actuator in the Structural Engineering Lab, and a Geosynthetic Testing Laboratory. Several research and sponsored research projects were completed using these research facilities and about 41 peer reviewed publications were made during the last three years.

19. Publications

Publication per faculty – 2.48

SI.No	Name of the faculty	Total No.of Publication (Year Wise)			
		2015 - 2016	2014 - 2015	2013 - 2014	2012 - 2013
1.	Dr.N.Mahendran	06	06	02	06
2.	Prof.Y.M.Siddaramiah	01	02	01	---
3.	Dr.G.V.T.Gopala Krisna	01	01	01	01
4.	Dr.S.Mahendran	01	01	---	01
5.	Dr.S.Vimala	02	01	02	01
6.	Dr.C.Jayaguru	01	---	---	01
7.	Dr.M.Siva Kumar	01	01	01	01
8.	Mr.C.Jaideep	----	----	01	01
9.	Dr.J.Selwyn Babu	01	03	01	01
10.	Mr.M.Mohan	----	02	---	---
11.	Mr.B.Ganesh Kumar	01	02	01	01
12.	Mr.K.Rajesh Kumar	01	02	---	01
13.	Mr.N.Gurumoorthy	01	---	01	01
14.	Mr.R.Vandhiyan	02	01	----	02
15.	Mr.T.Manikandan	---	01	02	---
16.	Mr.M.Vinod Kumar	02	---	02	01
17.	Mr.B.Ranjith Babu	01	01	---	---
18.	Mr.S.M.Subash	01	01	01	---
19.	Mr.M.Nagarajan	0	01	----	----
20.	Mr.M.Manoj Kumar	01	02	----	----
21.	Mr.P.M.Dhureen Karthik	----	01	----	----
33.	Ms.S.Deepa	01	02	----	----

Number of papers published in peer reviewed journals (national / international) by faculty and students

Sl.No.	No. of Publications in National Journal	No. of Publications in International Journal	If any made by Students
1	05	77	20

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Sl. No.	No. of Publications	Listed in
1.	43	Scopus
2.	32	Google Scholar

Monographs If any

Chapter in Books/ Books Edited – NIL

Books with ISBN/ISSN numbers with details of Publisher – Nil

S.No.	Faculty	Citation Index	SNIP	SJR	Impact Factor	H-index
1	Dr.N.Mahendran	73	1.576	1.128	8.968	3.0
2	Dr.G.V.T.Gopala Krisna	86	1.505	1.127	10.775	3.0
3	Dr.S.Mahendran	1.0	0.193	0.144	3.33	1.0
4	Dr.S.Vimala	1.0	0.835	0.705	11.41	1.0
5	Dr.C.Jayaguru	6.0	0.79	0.328	0.96	3.0
6	Dr.M.Siva Kumar	1.0	0.394	0.282	2.80	1.0
7	Dr.J.Selwyn Babu	----	0.197	0.141	1.32	----
8	Mr.B.Ganesh Kumar	----	0.193	0.144	4.58	----
9	Mr.K.Rajesh Kumar	8.0	0.394	0.282	7.048	2.0
10	Mr.R.Vandhiyan	---	----	-----	---	2.0
11	Mr.N.Gurumurthy	1	0.197	0.141	----	----
12	Mr.Krishnaprasanth	--	1.273	2.026	--	--
13	Mr.M.Vinod Kumar	--	0.591	0.423	--	--

20. Areas of consultancy and income generated

SL. No.	Area of Consultancy	Income Generated
1.	Investigation on Soil Bearing Capacity by SPT and Bitumen test	8,94,000.00
2.	Testing of Water Quality Parameters	13,000.00
3.	Compressive strength of Concrete Cubes	1,44,000.00
4.	Strength of materials Testing	1,03,000.00

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards.

SL. No.	Name of the Faculty	National/I'national/Editorial Board member
1.	Dr.N.Mahendran	Anna University Board of studies member , Editorial Board member, and Reviewer
2.	Dr.G.V.T.Gopala Krishna	Editorial Board member and Reviewer
3.	Dr.S.Vimala	Reviewer
4.	Dr.C.Jayaguru	Reviewer

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

UG – 100%

PG - 70%

Type of Project	No. of students	Academic Year
Inter departmental	1 (2%)	2012-2013
	1(2%)	2013-2014
	5 (4%)	2015-16
In-house	90 (98%)	2012-2013
	98 (98%)	2013-2014
	97 (100%)	2014 -2015
	176(97%)	2015-16

(b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

Sl. No	Year	Name Of Student	Title Of The Project	Organization
1.	2012-13	Linu Theresa jose	Development,testing and evaluation of funicular shells	SERC Chennai
2.	2013-14	Sindumathi.E	Studies on large panel prefabricated roof and wall element using EPF and ferro cement	SERC Chennai
3.	2015-16	Dilip kumar.R.G	Behaviour of composite bridge deck	SERC Chennai
4.	2015-16	Subashini.I	Investigation on impact behavior of glass and basalt textile reinforced concrete	SERC Chennai
5.	2015-16	Parthibavelan .S	Strength assessment of energy efficient carbon entrapping concrete	CECRI Karaikudi
6.	2015-16	Preethi .R	Ivestigation on characteristics of cellulocrete	CECRI Karaikudi
7.	2015-16	Rajampadampriya .R	Study on polyurethane based anticorrosive steel rebar coating	CECRI Karaikudi

23. Awards / Recognitions received by faculty and students

2012-2013

Sl.no	Name of Student	Event	Date	Venue	Awards /position
1.	K.V.Sabarish K.Saravanan	Paper presentation	11.10.2012	AC College of Engineering and Technology, Karaikudi	Third

2013-2014

Sl.no	Name of Student	Event	Date	Venue	Awards /position
1.	K.V.Sabarish T.Anandaraj	Paper presentation	02.09.2013	Ranganathan Engineering College, Coimbatore	First
2.	B.Kavitha	Paper presentation	05.10.2013	Kalasalingam University, Krishnankoil	Third

2014-2015

Sl.no	Name of Student	Event	Date	Venue	Awards /position
1.	Nandhini PA Keerthana S Dhanalakshmi A	Exihibitors	13.02.2015	SSM Institute of Engineering and Technology, Dindigul	First
2.	K.Solairaja	Draftrix	13.02.2015	SSM Institute of Engineering and Technology, Dindigul	First
3.	B.Kavitha	Paper presentation	13.03.2015	Kongu Engineering College	First
4.	N.Mohanapriya	Quiz Competition	13.03.2015	Kongu Engineering College	First
5.	M.Kumaresan	Draftrix	13.02.2015	SSM Institute of Engineering and Technology, Dindigul	Second
6.	Dhanalakshmi A	Paper presentation	13.02.2015	SSM Institute of Engineering and Technology, Dindigul	Second

24. List of eminent academicians and scientists / visitors to the department

S.No	Name of Resource Person	Designation	Organization	Date of Visit
1.	Mr.T.Arumugam,	Department Head- Civil Design	4A Design and Engineering pvt.ltd	10.06.2016
2.	Mrs.S.Jayalakhsmi	Assistant Manager- Civil Design	4A Design and Engineering pvt.ltd	10.06.2016
3.	Dr.Samson Mathew	Professor	National Institute of Technology,Trichy	23.06.2016

4.	Dr.V.Sunitha	Asst.Professor	National Institute of Technology,Trichy	23.06.2016
5.	Dr.M.Sivakumar	Asst.Professor	National Institute of Technology,Calicut	23.06.2016
6.	Mr.Chaitanya Kulkarni& Mr.Akash Shah	HR	ARK Technosolution, &Helio‟ s IIT Bombay	05.3.15 & 06.03.15
7.	Mr.R.Sathish,	Branch head,	Arrow Creative Academy, Coimbatore.	16.03.15 to 20.03.15
8.	Dr.N.S.Pandian,	Former Prof & Chairman	Dept of civil Engg.IISc, Banglore.	27.02.15
9.	Shri.Kamal Kishore	Secretary	NDMA, Govt.of .India, New Delhi	27.08.15, 28.08.15
10.	Dr.Edy Tonnizam	Professor	University of Technology Malaysia	27.08.15, 28.08.15
11.	Dr.Raju Aedla	Editor	IJEE	27.08.15, 28.08.15
12.	Dr.D.Venkat Reddy	Professor	National Institute of Technology,Surathkal	27.08.15, 28.08.15
13.	Dr.Chian SiauChen	Professor	National University of Singapore	27.08.15, 28.08.15
14.	Dr.P.Paramasivam	Professor	National University of Singapore	27.08.15, 28.08.15
\15.	Mr.S.Rajesh kumar	Head- Business development	KKM Soft	07.10.15
16.	Dr.K.Jayakumar	Professor and Head	Department of Physics, Gandhigram Rural Institute	11.11.15
17.	Dr.T.Anitha siron mani	Professor and Head	Department of Genetic Engineering,Madurai Kamaraj University	11.11.15
18.	Dr.S.Nagan	professor	Prof in Civil Engg., TCE, Madurai TCE, Madurai	03.12.14
19.	Dr.R.Selvaraj,	Scientist & Head,	CECRI,Karikudi Tamilnadu	29.09.14
20.	Dr.A.Cinitha	Scientist,	CSIR-SERC, Chennai.	29.09.14
21.	Er.R.Ilagovan	Superintendent, Engineer	PWD, Pollachi	18.09.14
22.	Thiru.A.P.Murugan	Regional Head,	UltraTech Cement Ltd	10.08.14
23.	Mr.Arungphyo, Myannamar,	Professor	Myannamar	10.12.14
24.	Mr.Mehediislam Bangladesh	Professor	Bangladesh	10.12.14
25.	Ms.Wissamsaidi	Professor	Alegeria	10.12.14
26.	Mr.Mahram Ali shebar	Professor	Afghanistan	10.12.14
27.	Mr.Dilshadtoharen bahadoor	Professor	Mauritius	10.12.14
28.	Mr.Salmanbin Kamal	Professor	Bangladesh	10.12.14

25. Seminars/ Conferences/Workshops organized & the source of funding a) National

S.No	Event	Period	Resource Person	Source of funding
1.	Seminar	10.12.2014	Dr. E.S.M. Suresh, NITTR, Chennai.	PSNACET
2.	Workshop	11.11.2014	Dr. K.Jayakumar, Prof. & Head, Department of Physics, Gandhigram Rural Institute, Dindigul	PSNACET

S.No	Event	Period	Resource Person	Source of funding
			Dr.T.Anitha Sironmani, Prof. & Head, Dept. of Genetic Engineering, Madurai Kamaraj University, Madurai	
3.	Workshop	29.09.2014	Dr. R.Selvaraj, Central Electro Chemical Research Institute, Karaikudi Dr.A. Cinitha, Scientist, Structural Engineering Research Center, Chennai.	PSNACET
4.	Exhibition	10.08.2014	Mr.K.Jayashankar, Thiru.A.P.Murugan Regional Head,UltraTech Cement Ltd	PSNACET
5.	Faculty Development Training	02.12.2014 to 08.12.2014	Dr.S.Nagan,Prof in Civil Engg., TCE, Madurai, Dr.M.Vasumathi, Prof in Civil Engg, KLNCIT,Madurai Dr.Perumal ,Prof in Civil Engg, Dr.Mahalingam college of Engg & Tech, Pollachi Dr.R.Ilangovan, Prof in Civil Engg, UCE, Dindigul	Anna University
6	Faculty Development Training Program	19.05.2015 to 25.05.2015	Mrs.S.Lingeswari,Asst.Prof.SSMIET Dr.R.Ilangovan, Prof in Civil Engg, UCE, Dindigul	Anna University Apporved
7	Workshop	10.06.2016	Mr.T.Arumugam, Department Head- Civil Design, 4A Design and Engineering pvt.ltd Mrs.S.Jayalakhsmi, Assistant Manager- Civil Design,4A Design and Engineering pvt.ltd	PSNACET
8	Workshop	23.06.2016	Dr.Samson Mathew, Professor,NIT Trichy Dr.V.Sunitha, Asst.Professor, NIT Trichy Dr.M.Sivakumar, Asst.Professor, NIT Calicut	PSNACET

b) International

S.No	Event	Period	Resource Person	Source of funding
1.	International conference on disaster management and mitigation 2015	27.08.2015 28.08.2015	Dr.P.Paramasivam Former professor National University of Singapore, Singapore Dr.D.Venkat Reddy Professor NIT- Surathkal, Karnataka, India Shri.Kamal Kishore,	PSNACET

		Secretary, NDMA, Govt.of .India, New Delhi	
		Dr.Edy Tonnizam, Professor, University of Technology Malaysia	
		Dr.Raju Aedla, Editor,IJEE	
		Dr.D.Venkat Reddy, Professor, National Institute of Technology,Surathkal	
		Dr.Chian SiauChen, Professor, National University of Singapore	
		Dr.P.Paramasivam, Professor, National University of Singapore	

26. Student profile programme/course wise:

Year	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2012-13	B.E , CIVIL	150	123	112	38	80.00
2013-14	B.E , CIVIL	150	136	119	39	80.00
2014-15	B.E , CIVIL	200	191	153	64	90.00
2015-16	B.E , CIVIL	330	282	206	77	90.90

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG(2012-13)	116	02	05
UG(2013-14)	124	02	14
UG(2014-15)	174	0	17
UG(2015-16)	229	0	18
PG(2012-13)	29	03	0
PG(2013-14)	20	01	0
PG(2014-15)	35	01	0
PG(2015-16)	32	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

	Name of the Competitive examination			
	GATE	GRE	TANCET	BANKING EXAMS
No. of students qualified	24	3	10	

29.   Student progression

Student progression	Against % enrolled
UG to PG	14 (30%)
PG to M.Phil.	--------
PG to Ph.D.	--------
Ph.D. to Post-Doctoral	--------
Employed • Campus selection • Other than campus recruitment	43 Nil
Entrepreneurship/Self-employment	30%

30.   Details of Infrastructural facilities

a) Library

Department	DEPARTMENT NAME
No.of Volumes Available	1389
No.of Titles Available	815

b) Internet facilities for Staff & Students –
- Wifi Enable 256 Mbps accessible for students and faculty.

c) Class rooms with ICTFacility

Rooms	No. of rooms	Facilities Available
Lecture rooms	13	Benches, Desks, Fan, Light, LCD Projector
Tutorial Rooms	2	Benches, Desks, Fan, Light
Seminar hall	1	OHP Projector, Computer, Chairs, Benches, Desks, Fan, Light, LCD Projector

d) Laboratories

S. No	Name of the laboratory	Area of the Lab in m2	Practical's Conducted	list of major equipments
1	Computer Lab.	130.59	06	30
2	Hydraulic Engineering Lab.	319.41	14	18
3	Strength of Materials Lab.	231.41	10	10
4	Geotechnical Engineering Lab.	288.41	14	27
5	Remote Sensing and GIS Lab.	64.26	NIL	11
6	Survey Store	63.35	24	21

7	Environmental Engineering Lab.	135.85	09	16
8	Geosynthetics Research Lab.	51.62	NIL	23
9	Bitumen Research Lab.	85.52	22	13
10	Concrete Lab.	107.33	12	10
11	Structural Engineering lab	106.6	12	10

31. Number of students receiving financial assistance from college, university,government or other agencies

Year	BC/MBC/OBC	SC/ST/SCC	TOTAL
2015-16	215	99	314
2014-15	136	56	186
2013-14	108	32	140
2012-13	101	25	126

Year	No. of students receiving scholarship from			
	College	University	Government	Other agencies
2015-16	-	----	314	----
2014-15	3	----	186	----
2013-14	4	----	140	----
2012-13	-	----	126	----

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

S.No	Event	Period	Resource Person
1	Poster Presentation of Student Chapter of ICI	18.03.2013	Mr.K.Jayasankar, Asst. Vice President, Ultra Tech Cements Ltd. Chennai
2	One Day National Conference on "Corrosion and health Monitoring of Concrete Structures"	10.04.2014	Dr.Thirugnanam, Professor,IRTT, Erode.
3	One day seminar on "International Seminar on Smart City Planning Using G.I.S."	10.12.2014	Mr.E.S.M. Suresh National technical traning institute (NITTR) Chennai
4	Awareness program on "How to Build a Quality House	10.08.2014	Mr.Jayashankar Ultra Tech Cement Limited Chennai Thiru.A.P.Murugan Regional Head,UltraTech Cement Ltd
5	Felicitation of Ultra Tech Student Partnership Programme	04.09.2014	Mr.Jayashankar Ultra Tech Cement Limited Chennai
6	Water quality assessment and conservation techniques	18.09.14	Er.R.Ilagovan Superintendent, Engineer, PWD, Pollachi
7	One Day National Conference on "Corrosion Analysis and Testing of Concrete Structures"	29.09.2014	Dr.Selvaraj, Scientist, CECRI, Karaikudi. Dr.Cinitha, Scientist, SERC, Chennai.

8	One Day National Workshop on "Emerging Trends in Nano Technology for Civil Engineering Application	11.11.2014	Dr.Jayakumar, Professor, Gandhigram Rural University, Dindigul. Dr.T.Anitha Sironmani, Prof. & Head, Dept. of Genetic Engineering, Madurai Kamaraj University, Madurai
9	Analysis of composite bridges	05.3.15 & 06.03.15	Mr.Chaitanya Kulkarni& Mr.Akash Shah ARK Technosolution, &Helio's IIT Bombay.
10	Latest application in piping design software	16.03.15 to 20.03.15	Mr.R.Sathish, Branch head, Arrow Creative Academy, Coimbatore
11	International Conference on Disaster Management & Mitigati 2015	27.08.2015 to 28.08.2015	Shri.Kamal Kishore, Member (Status of Secretary, Govt. Of India,) Ministry of Home affairs, New Delhi.
12	MOU with KKM Software (pvt) Ltd.	07.102015	Mr.Rajeshsrinivasan, Head business developments, KKM Software (Pvt) Ltd, Chennai.
13	Transmission Line Towers & Metal Structure Behaviour	10.06.2016	Mr.T.Arumugam, Department Head- Civil Design, 4A Design and Engineering pvt.ltd Mrs.S.Jayalakhsmi, Assistant Manager- Civil Design,4A Design and Engineering pvt.ltd
14	Innovative techniques on Asphalt Pavement	23.06.2016	Dr.Samson Mathew, Professor,NIT Trichy Dr.V.Sunitha, Asst.Professor, NIT Trichy Dr.M.Sivakumar, Asst.Professor, NIT Calicut

33. **Teaching methods adopted to improve student learning**
   - Class room teaching
   - Class room arts
   - Assignments and tutorials
   - Student's involvement
   - Guest lectures
   - Models
   - Industrial visits
   - Participation in workshops
   - Paper presentation and technical competitions at national level
   - E- Learning
   - Effective improvement through class committee meetings

- Feed back
- Software training programmes
- Additional courses
- Industrial training
- Projects

34.   Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl. No		Blood donation camps	YRC	NSS	ROT RACT	Pollution awareness programs	Free Eye Camps	Flood victim relief measure
1.	No. of students participated	50	30	30	30	200	110	100

34.   SWOC analysis of the department and Future plans

STRENGTHS

- Accredited for five years by NBA in the year 2006
- Approved Research Center under Anna University, Chennai
- More than 85% of the students get their degrees at the end of the course
- All the faculty members are   PG qualification and 5 doctorates.
- Our students pursue their higher studies in foreign countries.
- Our department has 4 Recognized Research supervisors of Anna University, Chennai.
  14 University rank holders from 2008-2012,16 University rank holders from 2009-2013,17 University rank holders from 2010-2014,1 University rank holders from 2011-2015
- 010-2012
- Our student has secured first rank (Gold medal) in the Anna university douring the year 2011.
- Our faculty members have published 82 research articles in international, national journals and Conferences.
- Our faculty members have membership in Member of Indian Concrete Institute, Institution of Engineers – India (IEI) Students' Chapter, Builders' Association of India, Indian Society for Technical Education and Dindigul Society for Disaster Management and Mitigation.
- Sponsored Research Project
- Establishment of Dynamic Testing facility in Structural Engineering Lab Rs 10 lakhs – AICTE – MODROBS – 2013
- 21 days Training Programme on GIS Techniques for E-governance Rs. 9 lakhs – NRDMS – DST - 2012
- Traffic Census data collection for NH209 Rs. 14 lakhs - NHAI, Govt. of India - 2009
- Establishment of Geo- Synthetics Lab. Rs 5 lakhs – AICTE – MODROBS – 2013
- Training Programme on Eco friendly agricultural practices Rs. 30 thousands – TNSCT - 2012

- National Conference on Applications of Geospatial technology for Environment and Sustainable development – AMIL - 2012
- International Conference ICDMM - 2009
- We have conducted many National workshops, National and International conferences on various themes.

WEAKNESSES

- Communication skills of the students to be strengthened.
- The students are to be trained well for the current industrial trends and needs.
- Industry Institute relationship to be improved and strengthened.
- More funded projects are to be taken up.

OPPORTUNITIES

- Introducing undergraduate research
- Encouraging research by faculty members
- Using online resources to supplement traditional teaching methods.
- Providing responsible students to the society and community.
- Good environment to pursue research in inter/multi disciplinary areas.

CHALLENGES

1. To mould the students in the new diversified area like publishing
2. Effectively teaching a heterogeneous group of students.
3. Keeping students focused in the face of increasing competition in every needs of the industry.
4. In making the students with high quality, social responsible citizens.
5. Providing useful career by advice to students.

FUTURE PLANS

- To promote more Industry Institute Interaction.
- To get 100% placement for our students.
- To make Department a RESEARCH HUB, and to promote research in faculty and students level.
- To get more funded projects from various government and private agencies.
- To create new avenues for our students to get higher education in esteemed Indian and foreign Universities.

EVALUATIVE REPORT
DEPARTMENT OF MECHANICAL ENGINEERING

1. **Name of the department: Mechanical**

2. **Year of Establishment :1984**

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**
   B.E. Mechanical Engineering

Sl.No.	Year	Intake
1.	1984	60
2.	2005	120
3.	2007	180
4.	2015	300

M.E. – Engineering Design-2011 -2012

Sl.No.	Year	Intake
1.	**2011**	**18**

Ph.D/MS – Mechanical Engineering – 2010-2011

4. **Names of Interdisciplinary courses and the departments/units involved**

Sl.No	Name of Interdisciplinary Course	Departments Involved
1	Technical English – I, Technical English – II	English
2	Mathematics – I, Mathematics – II, Transforms and Partial Differential Equations, Statistics and Numerical Methods	Mathematics
3	Engineering Physics – I, Engineering Physics – II	Physics
4	Engineering Chemistry – I, Engineering Chemistry – II, Environmental Science and Engineering	Chemistry
5	Computer Programming	CSE
6	Basic Electrical and Electronics Engineering, Electrical Drives and Controls, Electrical Drives Lab	EEE
7	Mechatronics	ECE

5. **Annual/ semester/choice based credit system (programme wise)**
   B.E. – Mechanical – Semester
   M.E.- Engineering Design – Semester

6. **Participation of the department in the courses offered by other departments:**

Sl.No	Name of course offered	Other Departments
1	Engineering Graphics	Civil, EEE, ECE, BME, IT, CSE,
2	Engineering Mechanics	Civil

Sl.No	Name of course offered	Other Departments
3	Basic Mechanical Engineering	EEE
4	Computer Aided Drafting and Modeling Laboratory	Civil, EEE, ECE, BME, IT, CSE,

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

"Engineering Metrology and Measurements" are taught at M/s Roots industries India Limited, Coimbatore

8. Details of courses/programmes discontinued (if any) with reasons:

NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	4	6
Associate Professors	8	8
Asst. Professors	22	33

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sl. No	Name of the Faculty	Qualification	Specialization	No. of Years of Experience	No. of Ph.D. Students guided
1	Dr.V.Soundararajan	Ph.D	Production	34	
2	Dr.D.Vasudevan	Ph.D	Industrial	26	5
3	Dr.R.Kannan	Ph.D	Industrial	26	
4	Mr.K.Rajalingam	MSc. (Engg.)	Engg.Design	41	
5	Dr.G. Magudeeswaran	Ph.D	Manufacturing	15	
6	Dr.V.Paramasivam	Ph.D	Production	18	
7	Dr.G.R.Kannan	Ph.D	IC Engines	10	
8	Dr.K.Muralidharan	Ph.D	Energy	12	
9	Mr.N.Harikannan	M.E	Industrial	14	
10	Mr.P.Chithambaranathan	M.E	Industrial	19	
11	Mr.M.Palpandi	M.E	CAD/CAM	13	
12	Mr.S.Raja	M.E	Industrial	21	
13	Dr.M.Santhosh	Ph.D	Thermal Power	13	
14	Mr.K.Suresh Kumar	M.E	IC Engines	15	
15	Dr.T.Ramachandran	Ph.D	Thermal	15	
16	Dr.D.JohnPaneerSelvam	Ph.D	Thermal	15	
17	Dr. P.Emmanuvel Nicholas	Ph.D	CAD/ CAM	12	
18	Mr.G.Balaji	M.E	Industrial	12	
19	Mr.K.Rajasuthan	M.E	CAD/ CAM	10	
20	Dr.S.Sridhar	Ph.D	Industrial	10	

21	Mr.T.Ramakrishnan	M.E	Manufacturing	13	
22	Dr.S.Jeyakumar	Ph.D	CAD/ CAM	9	
23	Dr.M.Vasundara	Ph.D	CAD/ CAM	8	
24	Mr.S.Murugapoopathi	M.E	Thermal	12	
25	Mr.S.Sabareesan	M.E	CAD/ CAM	5	
26	Mr.S.Karthik	M.E	Engineering	5	
27	Mr.T.Rajavijay	M.E	Production	4	
28	Mr.M.Baskeran	M.E	CAD/CAM	4	
29	Mr.A.Dyson Bruno	M.E	Engg. Design	4	
30	Mr.C.Senthilkumar	M.E	Engg. Design	4	
31	Mr.S.Balu	M.E	Engg. Design	4	
32	Mr.G.Chandrasekar	M.E	Manufacturing	5	
33	Mr.C.Rajaganapathy	M.E	Engg. Design	5	
34	Mrs.S.Nagu	M.E	Engg. Design	3	
35	Mr.R.Karthikeyan	M.E	Mechatronics	4	
36	Mr.S.HariVignesh	M.E	CAD/CAM	3	
37	Mr.M.Nagaraja	M.E	Thermal	5	
38	Mr.V.Ramesh	M.E	Thermal	11	
39	Mr.G.S.Jaisarevanan	M.E	Thermal	1	
40	Mr.K.Vignesh	M.E	Engg. Design	3	
41	Mr.A.Arul jhonson	M.E	Engg. Design	2	
42	Mr.M.S.Sivaharisankar	M.E	Thermal	6 months	
43	Mr.M.Ramanathan	M.E	Manufacturing	5 months	
44	Mr.M.Saravanakumar	M.E	Manufacturing	2	
45	Mr.P.Saravanakumar	M.E	CAD / CAM	3	
46	Mr.M.Shantharaj	M.E	Engg. Design	4 months	
47	Mr.P.Pandiyarajan	M.E	Engg. Design	4	
48	Mr.M.Eswaran	B.E	Mechanical	1	
49	Mr.B.Moinudeen	B.E	Mechanical	1	

11. List of senior visiting faculty- NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty. NIL

13. Student -Teacher Ratio (programme wise)
BE (UG) – Mechanical

Academic year	Student Teacher Ratio
2015-2016	14.53:1
2014-2015	13.37:1
2013-2014	13.97:1
2012-2013	14.96:1

ME (PG) – Engineering Design

Academic year	Student Teacher Ratio
2015-2016	12:1
2014-2015	12:1
2013-2014	12:1
2012-2013	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1.	Technical	16	16
2	Administrative	02	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty Members
Ph.D.	13
M.E.	32
B.E.	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sl. No.	Name of the Funding Agency	National / International	Total Grant Received (Rs)
1	AICTE	National	11,58,000.00/-
2	AICTE	National	18,75,000.00/-

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received. Please use the above table and club it according to funding agency. For Ex. If we have two grants received from DBT : AICTE – Rs.30,33,000/-

18. Research Centre / facility recognized by the University

Research centre: Anna University, No: 4591017, renewed on 03.09.15
Research Facilities

19. Publications:

- Publication per faculty: 4.675
- Number of papers published in peer reviewed journals (national/international) by faculty and students

Sl. No.	No. of Publications in National Journal	No. of Publications in International Journal	If any made by Students
1	Nil	187	38

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Sl. No.	No. of Publications	Listed in
1.	99	Scopus
		EBSCO etc.
2.	2	Others

- Monographs – NIL
- Chapter in Books/ Books Edited

Sl.No.	Title of the Book	Publisher Name & Year
1	Manufacturing Technology Laboratory Manual	Shanlax Publications, Madurai & 2014

Sl. No.	Name of the Faculty	Citation Index	SNIP	SJR	h-index	Impact Factor	Publication in Inter'l Database
	Mechanical Department						
1	Dr. D. VASUDEVAN	224	0.439	0.281	4	11.41	19
2	Dr.R.KANNAN	0	0.166	0.130	0	0	1
3	Mr.K.RAJALINGAM	0	0.166	0.130	0	0	1
4	Dr.G. MAGUDEESWARAN	143	0.166	0.130	6	0	2
5	Dr.V.PARAMASIVAM	36	0.166	0.130	2	0	4
6	Dr.G.R.KANNAN	301	0.180	0.138	8	0	5
7	Dr.K.MURALIDHARAN	192	0.800	0.592	2	0.577	4
8	Mr.N.HARIKANNAN	12	0.282	0.168	2	0	4
9	Mr.P.CHITHAMBARANATHAN	0	0.166	0.130	0	0	1
10	Mr.M.PALPANDI	0	0.000	0.000	0	0	0
11	Mr.S.RAJA	0	0.342	0.342	0	0.079	3
12	Mr.M.SANTHOSH	0	0.524	0.328	0	2.483	4
13	Mr.K.SURESHKUMAR	0	0.166	0.130	0	0	1
14	Mr.T.RAMACHANDRAN	33	0.570	0.252	4	0.431	6
15	Mr.D.JOHN PANNEER SELVAM	42	0.666	0.367	3	0.607	4
16	Mr.P.EMMANUEL NICHOLAS	5	0.336	0.223	2	0.528	6
17	Mr.G.BALAJI	0	0.000	0.000	0	0	0
18	Mr.K.RAJASUTHAN	0	0.166	0.130	0	0	1
19	Mr.S.SRIDHAR	11	0.282	0.168	2	0	4
20	Mr.T.RAMAKRISHNAN	0	0.166	0.130	0	0	1
21	Mr.S.JEYAKUMAR	10	0.634	0.287	1	0.257	4
22	Mrs.M.VASUNDHARA	22	0.719	0.373	2	0.403	5
23	Mr.S.MURUGAPOOPATHI	0	0.166	0.130	0	0	1
24	Mr.S.SABAREESAN	0	0.166	0.130	0	0	2
25	Mr.S.KARTHIK	0	0.166	0.130	0	0	1
26	Mr.K.GUNASEKAR	0	0.166	0.130	0	0	0
27	Mr.T.RAJAVIJAY	0	0.166	0.130	0	0	1
28	Mr.DYSON BRUNO	0	0.166	0.130	0	0	1
29	Mr.M.BASKARAN	0	0.166	0.130	0	0	1
30	Mr.S.BALU	0	0.166	0.130	0	0	1
31	Mr.C.SENTHILKUMAR	0	0.166	0.130	0	0	1
32	Mr.G.CHANDRASEKAR	0	0.166	0.130	0	0	1
33	Mr.C.RAJAGANAPATHY	0	0.166	0.130	0	0	2
34	Mrs.S.NAGU	0	0.166	0.130	0	0	1
35	Mr.R.KARTHIKEYEN	0	0.166	0.130	0	0	2
36	Mr.S.HARI VIGNESH	0	0.166	0.130	0	0	2
37	MR. M. NAGARAJA	0	0.166	0.130	0	0	1
38	MR. MOINUDEEN	0	0.166	0.130	0	0	1
39	MR. ESWARAN	0	0.166	0.130	0	0	1
40	MR. PANDIARAJAN	0	0.166	0.130	0	0	1

20. Areas of consultancy and income generated

SL. No.	Area of Consultancy	Income Generated
1	Solar Evaporator	50000
2	Design of Ball Screw	50000

21. Faculty as members in
a) National committees   b) International Committees
c) Editorial Boards….

SL. No.	Name of the Faculty	National/I'national/Editorial Board member
1.	Dr.D.Vasudevan	1. BOS Member, Anna University, Chennai 2. Member, SMART CITY Committee, Dindigul Corporation
2.	Dr.R.Kannan	Sectary, SAEISS, Madurai Chapter
3.	Dr.G. Magudeeswaran	Defence Technology (Editorial Board member)

22. Student projects

a) **Percentage of students who have done in-house projects including inter departmental/programme** : 80%

b) **Percentage of students placed for projects in organizations outside the institution:** 20 %

23. Awards / Recognitions received by faculty and students

2012-2013

S.No	Name of the student	Event	Venue	Date	Awards/position
1	Milan Thapa Dinesh paudel	Student Convention Competition (SAE INDIA)	M.Kumarasamy College of Engineering, Karur.	Oct 2012	First

2014-2015

S. No	Name of the student	Event	Venue	Date	Awards/position
1	Sivaram J R	Practical training on Cars & Engines	Goodwin Motors,chennai	6th -8th sep 2014	First class
2	Naveen Raj G			6th -8th sep 2014	First class
3	Muralitharan E			6th -8th sep 2014	First class
4	Ponmudi V			6th -8th sep 2014	First class
5	Manimaran M			6th -8th sep 2014	First class
6	Prabhu L			6th -8th sep 2014	First class
7	Raghavendran G k			6th -8th sep 2014	First class
8	Prasath N			6th -8th sep 2014	First class
9	S.Sribalaji	15th ISTE TN&P Section Annual Convention for Engineering Students	Anand Institute of Higher Technology, Kazhipattur	Feb' 13, 2015	Best Student Award

2015-2016

S.No	Name of the student	Event	Venue	Date	Awards/position
1	K.S.Sathish kumar	Divisional Level Student Convention 2015	Kamaraj College of Engineering and Technology	2015	Second Prize
2	P.Saravana Kumar			2015	Third Prize
3	K.Indrajith			2015	First Prize
4	M.Bala Sankar			2015	First Prize
5	K.Surjith			2015	First Prize
6	N.Saravanan			2015	First Prize
7	S.S.Satheesh			2015	First Prize
8	S.Edison Ananda Raj			2015	First Prize
9	Govindaraju Karthikeyan			2015	Second Prize
10	S.Nijanthan			2015	Second Prize
11	M.Parthiban			2015	Second Prize
12	R.Aravind			2015	Second Prize
13	N.Arun Raj			2015	Second Prize
14	M.R.Ram Surath Kumar			2015	Second Prize
15	N.Arunraj			2015	Second Prize
16	R.Aravind			2015	Second Prize
17	M.R.Ram Surath Kumar			2015	Second Prize
18	P.Prem			2015	Second Prize
19	T.M.S.Raja			2015	Second Prize
20	N.Palpandi			2015	Second Prize
21	L.Prabhu			2015	Second Prize
22	G.Ramesh Babu			2015	Second Prize
23	K.S.Sathish Kumar			2015	Second Prize
24	S.Nijanthan			2015	Second Prize
25	K.Indrajith			2015	Second Prize
26	R.Jegannath			2015	Second Prize
27	N.M.Karthick			2015	Second Prize
28	R.Karthick Raja			2015	Second Prize
29	C.Jerome			2015	Third Prize
30	R.Jegannath			2015	Third Prize
31	A.Umar ali			2015	Third Prize
32	Vivekananthan Dilipkanth			2015	Third Prize
33	S.Mohamed vasin			2015	Third Prize
34	J.Reegan esra			2015	Third Prize
35	A.Raja ganesh			2015	Third Prize
36	V.Muthuirulandi	YUGNA-X'15	National Engineering College , Kovilpatti	10.09.15 to 11.09.15	Appreciation
37	K.Indirajith	SAEINDIA, Student Convention 2015 CNC Training	Vellore Institute of Technology, Vellore	Sep' 18-19, 2015	II Position
38	K.Indirajith	SAEINDIA, Student Convention 2015 Mechanical	Vellore Institute of Technology, Vellore	Sep' 18-19, 2015	I-Position

S.No	Name of the student	Event	Venue	Date	Awards/position
		Engineering Design CAD			
39	K.Indirajith	SAEINDIA, Student Convention 2015 Divisional Level Mechanical Engineering Design CAD	Kamaraj College of Engineering and Technology, Virthunagar	2015	I-Position
40	K.Indirajith	SAEINDIA, Student Convention 2015 Divisional Level CNC Training	Kamaraj College of Engineering and Technology, Virthunagar	2015	II-Position
41	S.Sribalaji	15th ISTE TN&P Section Annual Convention for Engineering Students	Anand Institute of Higher Technology, Kazhipattur	Feb' 13, 2015	Best Student Award
42	Dhanu.V	District Level Chief Minister Trophy Competition –Basket Ball	PSNA College of Engineering and Technology, Dindigul	14 Nov, 2015	I
43	K.Saravanakumar	District Level Chief Minister Trophy Competition –Basket Ball	PSNA College of Engineering and Technology, Dindigul	14 Nov, 2015	I
44	Govindaraju Karthikeyan	SAE INDIA-Student Convention 2015-Divisional Level-Plastic Die Engineering	Kamaraj College of Engineering & Technology, Viruthunagar	2015	II
45	Govindaraju Karthikeyan	Rotract Club of PSNACET-Vasantham-15	Rotract District Organisation, Naratha Gana Saba, Karur	Jan-31, 2015	II

24. List of eminent academicians and scientists / visitors to the department

S.No.	Name of Resource Person	Designation	Organization	Date of Visit
1	Dr.N.Raju	D.G.M	WRI, BHEL. TRICHY	22.09.2015
2	Dr.B.Arivazhagan	Scientific officer, Material Testing Division	IGCAR Kalpakkam	07.02.2015
3	Dr.V.Devakumaran	Senior Engineer	Welding Research Institute, Trichy	24.01.2015
4	Mr.N.Rajasekaran	Manager (WRI)	BHEL, Trichy	10.01.2015
5	Dr.R.Vasudevan	Professor	VIT,Vellore	14.01.2015
6	Mr.R.Kishore	President Elect	ISHRAE-Madurai Sub Chapter	01.10.2015
7	Dr.P.Rajesh Kanna	Associate Professor	Velammal CET, Madurai	07.02.2015
8	Dr.G.Kumargurparan	Associate Professor	Thiyagarajar College of Engineering, Madurai	11.09.2014
9	Dr.G.Mahesh	Professor & Head/Mech.	Easa College of Engg.&Tech, Coimbatore,India	23.08.2013
10	Mr.W.S. Aruldoss Kanthia	Scientist & Former Director	Heavy Water Board, Department of Atomics Energy, Govt. of India, Mumbai	18.09.2012
11	Dr N.Ashok Kumar	Research Scholar	Otto Von Guicke University, Magdegurg, Germany	01.02.2011
12	Dr. Prasanth Kumar Panda	Scientist F	National Aerospace Laboratories, Bangalore	15.09.2010
13	Mr.B.Sankarnarayanan	Scientist C	Vikram Sarabai Space Research Centre, Trivandram	24.08.2010

25. Seminars/ Conferences/Workshops organized & the source of funding a) National)

S.No	Event	Period	Resource Person	Source of funding
1	Faculty Development Programme on "Kinematics of Machinery"	04-06-2012 to 10-06-2012	Dr.V.Paramasivam Dr.M.C.Lenin Babu	Anna University Sponsored
2	Faculty Development Programme on "MatLab and LaTex"	25-02-2013 to 15-03-2013	Dr.M.C.Lenin Babu Mr.P.Emmanuel Nicholas	PSNACET Sponsored
3	Faculty Development Programme on "Dynamics of Machinery"	24-06-2013 to 30-06-2013	Dr.V.Paramasivam Dr.M.C.Lenin Babu	Anna University Sponsored

4	Faculty Development Programme on "Design of Machine Elements"	30-06-2014 to 06-07-2014	Mr.N.Harikannan Mr.S.Sridhar	Anna University Sponsored
5	Faculty Development Programme on "Soft Tools and Techniques for Engineering Research"	22-09-2014 to 26-09-2014	Dr.V.Paramasivam Dr.K.Muralidharan Mr.N.Harikannan	Anna University Sponsored
6	Faculty Development Programme on "Engineering Materials and Metallurgy"	23-11-2015 to 29-11-2015	Dr.V.Paramasivam Mr.M.Palpandi	Anna University Sponsored

b)International

S.No	Event	Period	Resource Person	Source of funding
1	One day International Pre-conference workshop on "Integrated Design-Manufacturing Interface within Automotive Development Process"	06-04-2015	Dr. Muhammad Zahir Hassan Professor/Mechanical, Universiti teknikal malaysia Melaka (UTeM) Faculty of engineering technology, Malaysia	PSNACET Sponsored
2	One day International Pre-conference workshop on "Present and Future trends in Manufacturing and Growing Demands"	06-04-2015	Dr. Nikhil Ranjan Dhar Professor/Industrial and Production Engineering Bangladesh University of Engineering and Technology (BUET) Dhaka, Bangladesh.	PSNACET Sponsored
3	International Conference on Future Trends in Engineering and Technology (ICFTET2015)	06-04-2015 To 07-04-2015	Dr. Muhammad Zahir Hassan Professor/Mechanical, Malaysia Dr. Nikhil Ranjan Dhar Professor/Industrial and Production Engineering Bangaladesh	PSNACET Sponsored

26.   Student profile programme/course wise:

Year	Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2012-2013	BE (Mechanical)	150	133	132	1	88.67
2013-2014		175	136	134	2	72.00
2014-2015		298	254	250	4	85.23
2015-2016		315	296	293	3	93.97

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG-Mechanical 2012 - 2013	92.48	1.5	6.01
UG-Mechanical 2013 - 2014	91.91	0.73	7.35
UG-Mechanical 2014 - 2015	95.66	1.99	2.36
UG-Mechanical 2015 - 2016	98.64	1.01	1.01
PG-Mechanical 2012 - 2013	71.42	28.57	0
PG-Mechanical 2013 - 2014	88.23	11.76	0
PG-Mechanical 2014 - 2015	100	0	0
PG-Mechanical 2015 - 2016	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year/Examination	IELTS	GATE	TANCET
2012-2013	0	1	4
2013-2014	2	0	9

29. Student progression

Student progression	Against % enrolled		
	2015-2016	2014-2015	2013-2014
UG to PG	-	-	9.88 %
PG to Ph.D.	NA	NA	NA
Ph.D. to Post-Doctoral	NA	NA	NA
Employed • Campus selection	88.74 %	64.56 %	14.48 %
• Other than campus recruitment	--	19.62 %	61.38 %
Entrepreneurship/Self-employment	--	--	--

30. Details of Infrastructural facilities

a) Library

Department	Mechanical
No.of Volumes Available	1862
No.of Titles Available	730

b) Internet facilities for Staff & Students: Yes (Wi-Fi) 256MBPS

c) Class rooms with ICT Facility

Rooms	No. of rooms	Facilities Available
LectureRooms	13	Black board, OHP, OHP Screen, Notice board, LCD Projector
Tutorial Rooms	01	
SEMINAR HALL	01	

d) Laboratories

Sl No	Name of the laboratory	Area of the Lab (Sq.M)	Practical's Conducted	list of major equipments
1.	Machine Shop	315	Yes	LMW-LL20TL5 CNC Lathe (Production Machine)
				LMW-JV55 CNC VMC (Production Machine)
2.	Thermal Lab	315	Yes	Computerized Variable compression ratio multi fuel engine test rig
				Exhaust gas analyzer
				Wind tunnel(low speed)
3.	Dynamics Lab	135	Yes	Vibration lab
				Moment of Inertia by oscillation for flywheel and connecting rod
4.	Metrology & Measurements Lab	210	Yes	Profile Projector
				Vibration / Shock measuring setup
5.	Engineering Practice Lab	371.6	Yes	Gas welding machine
				Surface Planner
6.	CAD/CAM Lab	131	Yes	CATIA V5 R 2015
				ANSYS Academic teaching Mechanical &CFD version 16.1
				HP DeskJet – Plotter
7.	Mechatronics	103	Yes	PLC-RTA Hydraulic linear actuation system trainer
				Digital PID controller
8.	Steam Lab	140	Yes	Steam Turbine test rig
				Revomax Boiler
9.	Strength of Material Lab	225	Yes	Universal Tensile Testing machine with double shear attachment
				Metallurgical Microscopes

31. Number of students receiving financial assistance from college, university, government or other agencies

Sl No	Department	2015-2016		2014-2015		2013-2014		2012-2013	
		BC/MBC /OBC	SC/ST/ SCC	BC/MBC /OBC	SC/ST/ SCC	BC/MBC /OBC	SC/ST/ SCC	BC/MBC /OBC	SC/ST/ SCC
1	Mechanical Engineering	299	117	238	86	179	59	198	54
2	Sports Quota	0		2		3		0	

32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts)

S.No.	Event-Special Lectures	Period	Resource Person
1	Introduction to Welding basic process and its applications	22.09.2015	Dr.N.Raju, D.G.M,WRI,BHEL, TRICHY
2	Welding Induced Distortion and Residual Stresses with Industrial Case Studies	22.09.2015	Dr.N.Raju, D.G.M,WRI,BHEL, TRICHY
3	Flux cored arc welding of stainless steels	07.02.2015	Dr.B.Arivazhagan IGCAR kalpakkam
4	Metal Transfer in GMAW process	24.01.2015	Dr.V.Devakumaran Welding Research Institute, Trichy
5	Career Planning in welding for fresh Engineers	10.01.2015	Mr.N.Rajasekaran BHEL, Trichy
6	Composite Materials	14.01.2015	Dr.R.Vasudevan, Prof/VIT,Vellore
7	Design Of Air Conditioning System - Heat Load Estimate	01.10.2015	Mr.R.Kishore, President Elect, ISHRAE-Madurai Sub Chapter
8	Computational Fluid Dynamics in Industries	07.02.2015	Dr. P.Rajesh Kanna Associate Professor, Velammal CET, Madurai

33. Teaching methods adopted to improve student learning

- Adherence to Academic calendar
- Use of instructional methods and pedagogical initiatives
- Methodology to support weak students and to encourage toppers

- Quality classroom teaching
- Continuous assessment in the laboratory
- Students Feedback of teaching learning process and action taken

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

| Year | No. of students participated | | | | | | |
	Blood donation camps	YRC	NSS	ROTRACT	Pollution awareness programs	Free Eye Camps	Flood victim relief measure
2012-2013	18	10	10	12	-	2	-
2013-2014	25	10	10	15	-	10	-
2014-2015	28	10	10	18	-	15	-
2015-2016	48	10	10	14	-	24	83

35. SWOC analysis of the department and Future plans

Strengths

- Good infrastructure
- Experienced faculty
- Participative management
- High enrollment of students
- Good industry interaction
- Good professional bodies interaction

Weaknesses

- Vernacular background of students
- Non-cosmopolitan nature of the society
- Less exposure of students to the global technology scenario
- Less consultancy due to industry institution gap

Opportunity

- Due to globalization lot of job opportunities for mechanical students
- Favorable job market due to new automobile and manufacturing industries and their capacity enhancement in India

Challenges

- As Manufacturing industries move towards industry 4.0 standards, students are to be enabled to cater their needs.
- Cross domain knowledge requirements of industries such as automobile sector.

Future Plan

- To improve industrial consultancy
- To get Funded projects
- To improve industry – institute interaction by increasing professional body activities
- To develop CNC – Tool room to Industry 4.0 standards.
- To obtain NABL accreditation for Metrology & Measurements Lab.

EVALUATIVE REPORT
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

1. **Name of the department** – Electronics and Communication Engineering

2. **Year of Establishment** - 1984
    Details of the increased intake

S.No.	Department	Increase in intake	Year
1.		60	1984
2.		120	2004
3.	B.E (ECE)	180	2011
4.		240	2012
5.		300	2013
6.	M.E (Applied Electronics)	18	2001
7.		25	2005
8.	M.E (VLSI Design)	18	2005
		36	2011

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., IntegratedMasters; Integrated Ph.D., etc.)**
    B.E. – ECE
    M.E.-(Applied Electronics, VLSI Design)
    Ph.D – Information and Communication Engineering

4. **Names of Interdisciplinary courses and the departments/units involved –** NA

5. **Annual/ semester/choice based credit system (programme wise)**
    B.E. –ECE– Semester System
    M.E. – Applied Electronics – Semester System
    M.E. – VLSI Design – Semester System

6. **Participation of the department in the courses offered by other departments**

Semester	Interdisciplinary Course	Departments Involved
II	Analog & Digital Communications	CSE
VII, V	Digital Signal Processing	CSE,IT,EEE,BME
VII	Wireless Communication	IT
V	Mectronics	Mechanical
II	Electronic Devices & Circuits	CSE
III	Microprocessors and Microcontrollers	CSE
II	Digital Principal & System Design	CSE

7. **Courses in collaboration with other universities, industries, foreign institutions, etc**.
    Industry collaboration details – last three years – NA

8. Details of courses/programmes discontinued (if any) with reasons- NA

9. Number of Teaching posts

Description	Sanctioned	Filled
Professors	10	5
Associate Professors	17	5
Asst. Professors	43	60

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.G.Athisha	M.E., Ph.D.,	Prof. & Head	Information and communication Engg	17.1	8
Dr.K.Adalarasu	M.Tech., Ph.D.,	Prof.	Biomedical Engg	15	1
Dr.C.Chitra	M.E., Ph.D.,	Prof.	Information and communication Engg	15.9	-
Dr.K.Meena @ Jeyanthi	M.E., Ph.D.,	Prof.	Information and communication Engg	15.11	1
Dr. P.Maniraj Kumar	M.E., Ph.D.,	Prof.	VLSI Design	16.10	-
Dr.K.Batri	M.E., Ph.D.,	Asso. Prof.	Information retrieval	13.6	6
Mr. P.N.Sundararajan	M.E., (Ph.D).,	Asso. Prof.	Communication Systems	17.4	-
Dr. S.Mythili	M.E., Ph.D.,	Asso. Prof.	Biomedical Engg	19.9	-
Ms. T. Thangam	M.E.,	Asso. Prof.	Applied Electronics	15.8	-
Mr.K.Ramamoorthy	M.E.,	Asso. Prof.	Applied Electronics	16.8	-
Mr.S.Arunkumar	M.E., (Ph.D).,	Asst. Prof.	Applied Electronics	10.9	-
Dr.A.Kaleel Rahuman	M.E., Ph.D.,	Asst. Prof.	Networking with VLSI	13.10	-
Mr.S.Karthikeyan	M.E., (Ph.D).,	Asst. Prof.	Applied Electronics	10	-
Dr .M.Revathi	M.E., Ph.D.,	Asst. Prof.	VLSI Design	10.6	-

Ms.S.Shobana	M.E., (Ph.D).,	Asst. Prof.	Applied Electronics	9	-
Mr. M.Krishnamurthy	M.E.,	Asst. Prof.	Applied Electronics	7.1	-
Ms.E.Thangaselvi	M.E., (Ph.D).,	Asst. Prof.	Optical communication	9.5	-
Mr.P.Karthikeyan	M.E., (Ph.D).,	Asst. Prof.	VLSI Design	8.1	-
Mr.T.Chelladurai	M.E., (Ph.D).,	Asst. Prof.	Communication Systems	10.6	-
Dr.V.Magudeeswaran	M.E., Ph.D.,	Asst. Prof.	Image processing	7	-
Mrs.M.Thiruveni	M.E., (Ph.D).,	Asst. Prof.	VLSI Design	10.11	-
Mrs.M.Deivakani	M.E.,	Asst. Prof.	VLSI Design	10	-
Mr.S.Gopalakrishnan	M.E., (Ph.D).,	Asst. Prof.	Embedded systems tech	7.3	-
Ms.T.Suganyathevi	M.E.,	Asst. Prof.	Applied Electronics	4.11	-
Mrs.M.Kasturi	M.E.,	Asst. Prof.	VLSI Design	7.8	-
Dr.P.Thirumurugan	M.E., (Ph.D).,	Asst. Prof.	Image Processing.Vlsi Networking	9.4	-
Mr.S.Jeganath	M.E.,	Asst. Prof.	Applied Electronics	5	-
Mr. P.Rajasekaran	M.E.,	Asst. Prof.	Pervasive computing tech	4.10	-
Mr.S.Bharath	M.E.,	Asst. Prof.	Communication Systems	4.9	-
Mr.J.Kumarnath	M.E., (Ph.D).,	Asst. Prof.	Optical communication	4.9	-
Mr.S.Saravanan	M.E.,	Asst. Prof.	Computer communication	6.11	-
Mr. R.S.Karthic	M.E.,	Asst. Prof.	VLSI Design	5.8	-
Mrs.S.Umayal	M.E.,	Asst. Prof.	VLSI Design	6.4	-
Mr.R.Bala Kumerasan	M.E.,	Asst. Prof.	Applied Electronics	4.11	-
Mrs.B.KamalaSoundari	M.E.,	Asst. Prof.	Applied Electronics	3.3	-
Ms.T.Muruga Jothi	M.E.,	Asst. Prof.	Applied Electronics	3.5	-
Mr.R.Mohan Raj	M.E., (Ph.D).,	Asst. Prof.	VLSI Design	5.11	-
Mr.A.Selva Pandian	M.E.,	Asst. Prof.	VLSI Design	3.11	-
Mr.R.Ragumahadhavan	M.E.,	Asst. Prof.	Applied Electronics	6.4	-
Ms.R.Rajakumari	M.E.,	Asst. Prof.	VLSI Design	3.11	-

Ms.A.Sakira Parveen	M.E.,	Asst. Prof.	Communication systems	3.11	-
Mr.S.P.Sellapandi	M.S.,	Asst. Prof.	Wireless and communication systems	3.2	-
Mrs.R.Ambika	M.E.,	Asst. Prof.	Communication systems	6.2	-
Mrs.P.G.Akila	M.E.,	Asst. Prof.	VLSI Design	4.10	-
Mr.R.Saravanan	M.E., (Ph.D).,	Asst. Prof.	Power electronics and drives	7	-
Mrs.D.Gayathiri	M.E.,	Asst. Prof.	Applied Electronics	4.8	-
Mr.P.Parthasarathy	M.E.,	Asst. Prof.	Applied Electronics	2.7	-
Mrs.S.Sathya Devi	M.E.,	Asst. Prof.	Applied Electronics	4.2	-
Ms.R.G.Vidhya	M.E.,	Asst. Prof.	VLSI Design	1.8	-
Mr.R.Sathesh Raaj	M.E.,	Asst. Prof.	VLSI Design	2.11	-
Ms.M.Niranjana Priyadharshini	M.E.,	Asst. Prof.	Communication systems	2.11	-
Ms.M.Divya	M.E.,	Asst. Prof.	VLSI Design	6.6	-
Dr.K.R.Aravind Britto	M.E., Ph.D.,	Asst. Prof.	Power electronics	15	-
Mrs.N.Lavanya Devi	M.E.,	Asst. Prof.	Communication systems	8.2	-
Mrs.K.Karthika	M.E.,	Asst. Prof.	Applied Electronics	3.6	-
Ms.C.Kohila	M.E.,	Asst. Prof.	Communication systems	3.11	-
Ms.Divya Francis	M.E.,	Asst. Prof.	Applied Electronics	0.11	-
Ms. V. Femina	M.E.	Asst. Prof.	Communication Systems	5.0	-
Mr. A.Prasanth	M.E.	Asst. Prof.	CSE	0.10	-
Mr.S.VijayaPrasath	M.E.	Asst. Prof.	Communication Systems	5.4	-
Mrs.G.Sasi	B.E., (M.E).,	Lect	ECE	5.3	-
Mrs. K. Rajalakshmi	M.E., (Ph.D).	Asst. Prof.	Power Electronics & Drives	9.10	-
Mrs. G. Devi	M.E.,	Asst. Prof.	Instrumentation Engineering	6.7	-

Mrs.S.Umamaheswari	M.E., (Ph.D).	Asst. Prof.	Power Electronics &Drives	4.9	-
Mr. C. Rajapandian	M.E., (Ph.D).	Asst. Prof.	Power Electronics &Drives	5.2	-
Mr. G. Praveenraj	M.E.,	Asst. Prof.	Power Electronics &Drives	0.8	-
Mr. P. Soundar Rajan	M.E., (Ph.D).	Asst. Prof.	High Voltage Engineering	10.6	-
Ms. Y. Aishwaryhaa	M.E.,	Asst. Prof.	Power Electronics & Drives	0.8	-
Ms. B. Gomathi	M.E.,	Asst. Prof.	Power Electronics & Drives	1.10	-
Mr. K. Kaleeshwaran	M.E.,	Asst. Prof.	Electrical Drives and Embedded Control	9.9	-

11. List of senior visiting faculty – NIL

12. Percentage of lectures delivered and practical classes handled (programme wise)by temporary faculty – NIL

13. Student -Teacher Ratio (programme wise)
      B.E. ECE   -   15:1
      M.E. AE   -   12.5:1
      M.E. VLSI Design -   12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1	Technical	7	7
2	Administrative	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty Members
Ph.D.	12
M.E.	58

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received – NA

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Please use the above table and club it according to funding agency. For Ex. If we have two grants received from DBT

Sl. No.	Name of the Project	Name of the Funding Agency	Name of the Project Investigator	National / International	Total Grant Received
1.	Modernization of communication laboratory (2013)	AICTE	Dr.G.Athisha	National	15 Lakhs
2.	EEG Signal processing algorithm for monitoring Cognitive status (2013)	DRDO	Dr.K.Adalarasu	National	8.9 Lakhs

18. Research Centre /facility recognized by the University

Recogonized research centre for pursuing Ph.D/M.S by Anna Univarsity/ Chennai

19. Publications:

a) Publication per faculty 4.4

Number of papers published in peer reviewed journals (national /international) by faculty and students 308

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Sl. No.	No. of Publications	Listed in
1	72	Scopus
2	19	Web of sciences
3	217	Others

Monographs If any   -   NA
Chapter in Books/ Books Edited – NA
Books with ISBN/ISSN numbers with details of publishers

Sl. No.	Title of the Book	Publisher Name & Year	ISBN No.
1	Electrical Circuit Analysis	Prentice Hall of India – 2015	978-81-203-5047-2
2	Electronics and Microprocessors	Sri Krishn Publications Chennnai,2013	978-93-80659-51-1

| 3 | Digital Electronics | Sri Krishna Publications , Chennnai ,2014 | 978-93-80659-06-0 |
| 4 | Digital Principles and System Design | Sri Krishna Publications , Chennnai ,2012 | 978-93-80659-98-2 |

∗ Citation Index   ∗ SNIP ∗SJR   ∗Impact factor ∗h-index

Sl. No.	Name of the Faculty	Citation Index	SNIP	SJR	h-index	Impact Factor
1.	Dr G Athisha	106	5.8	1.3	7	12.2
2.	Dr K Adalarasu	143	4.82	4.2	7	14.893
3.	Dr.C.Chitra	46	2.534	1.99	4	2.24
4.	Dr K Batri	25	1.182	0.4	3	3.5
5.	Dr.K.Meena alias Jeyanthi	47	1.945	0.71	4	2.11
6.	Dr.A.Kaleel Rahuman	24	7.82	-	2	1.08
7.	Dr.M.Revathy	6	4	1	1	1.2
8.	S.Sobana	2	-	0.32	1	1.34
9.	M.DeivaKani	3	-	-	1	0.93
10.	Dr.P.Thirumurugan	20	1	-	2	1.6
11.	Dr.V.Magudeswaran	43	-	-	3	1.3
12.	Krishnamoorthy	6	-	-	1	-
13.	S.GopalaKrishnan	2	-	-	7	1.5

20. Areas of consultancy and income generated

SL. No.	Area of Consultancy	Income Generated
1	RF Return loss measurement	65000

21. Faculty as members in
a) National committees b) International Committees c) Editorial Boards….

SI. No	Name of the faculty	Details	Role
1.	Dr G Athisha	Anna University Board of Studies International Journal of Advances of Electrical Power System and Information Technology(IJAEPSIT) International Conference on Emerging Trends in Engineering, Technology and Science	Editorial Board Member
2.	Dr.K.Adalarasu	International Journal of Bioscience Engineering Biomedical Research Engineering Journal Instrumentation Science and Technology Journal of Back and	Editorial Board/Reviewer

No.	Name	Journal	Role
		Muscular Skelton rehabilitation Bio Medical Engineering Computer ,Biology and Medicine Computer method and programming in Bio medicine Instrumentation Science and Technology Computational and Mathematical methods in Medicine International Journal of health science and well being	
3.	Dr.K.Meena alias Jeyanthi	International Journal of Emerging Technology and Advanced Engg International Journal of Engineering Research and Technology	Reviewer
4.	Dr K Batri	American Journal of Applied Science	Reviewer
5.	Dr.C.Chitra	IET Image Processing	Reviewer
6.	Dr.P.Maniraj Kumar	KSII Transactions on Internet and Information Systems American Journal for Applied Sciences Springer, Springer Open ,Bio Med Central Circuits, Systems & Signal Processing./Springer	Reviewer
7.	Dr.S.Mythili	International Journal of circuits and systems scientific research Journal of Computer Science Publications	Reviewer
8.	Dr.P.Thirumurugan	JFEET Circuit and system	Reviewer
9.	Dr.M.Revathy	JFEET Circuit and system	Reviewer

22. Student projects

a) **Percentage of students who have done in-house projects including inter departmental/programme**

Type of Project	Percentage of students	Academic Year
Inter departmental	16	2012-2013
	17	2013-2014
	14	2014-2015
	25	2015-2016
In-house	84	2012-2013
	83	2013-2014
	86	2014-2015
	75	2015-2016

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies Please provide the details about internships thro placement here for last 4 academic years

Percentage of students	Academic Year
1	2014-2015
2	2015-2016

23. Awards / Recognitions received by faculty and students

SLno	Name of Student	Event	Venue	Date	Awards /position
1	Mr.K.Deepak Pandi Mr.P.Yogeskumar	RADIO -2015	ARULMURUGAN COLLEGE OF ENGINEERING, THENNILAI, KARUR	14.8.15	Second
2	Mr.K.Deepak Pandi Mr.S.Rajagopal Mr.P.Yoges Kumar	MEXHIBT'15 National level Project model display	Karpagam College of Engg., Coimbatore	10.03.15	Second
3	Mr.M. Harish karthick	REWOP'15	Sri Ramakrishna Engg.College, Coimbatore	05.03.15	First
4	K.Vignesh	University Zonal Tournament	M.Kumarasamy College of Engg.,Karur	09.01.13	First
5	K.Vignesh	State level Five's Tournament	Govt.High School, Battalakundu	06.01.13	First
6	S.R.Vijay Ganesh	Best Physique	Sastra University	18.09.12	Third
7	V.Ramasamy	Ball Badmitton-TIES 2013	Adiyaman Engg.College,Hosur	20.02.13	Fourth
8	V.Ramasamy	Ball Badmitton-TIES 2012	JJ College of Engg.Technology, Trichy	25.02.12	Fourth
9	Mr.S.Anbuselvam Mr.N.Kishore Rajan	Multimedia Streaming Technology in 4G mobile communication Systems	Indra Ganesan College of Engineering, Trichy	11.03.13	Second
10	Mr.S.Anbuselvam	Advanced polling by IRIS technology	PSNACET,Dindigul	21.02.13	Third

By Faculty

SL. No	Name of faculty	Venue	Date	Awards / position
1.	Dr.G.Athisha	The Economic for Health and Educational Growth	29.4.2013	Vidya Ratan Award
2.	Mr.S.Karthikeyan	IIT ,Mumbai	2013-2014	Award of excellence as faculty coordinator
3	Mr.S.Karthikeyan	Jayaram College of Engg. & Tech, Trichy	2013	Certificate of Honour
4	Mrs.S.Sobana	Karpagam Engineering college, Coimbatore	2014	Best Innovator and best achiever award
5	Mr.R.Saravanan	Karpagam Engineering college, Coimbatore	2014	Best Innovator and best achiever award

24. List of eminent academicians and scientists / visitors to the department

S.No	Name of Resource Person	Designation	Organization
1	Dr. P .Venkatakrishnan	Professor and Head/ECE,	KLN College of Information Tech., Pottapalayam, Sivagangai.
2	Dr. P. Karuppanan	Assistant Professor/ECE,	Motilal Nehru National Institute of Tech., Allahabad
3	Mr.M.Sridhar	Technical Consultant	Keysight Technologies
4	Dr Arrunkumar Thangavelu	Assistant director-center for excellence in ambient intelligence,professor	school of computing scienmces engg, VIT,Vellore
5	Dr.K.R.Valluvan	Prof&Head Vellalar	College of Engg.Tech,Erode
6	Dr. T.Aravind Krishna	Engineer	Logistics Expeditors international, chennai
7	Team from National Instruments		National Instuments
8	Team from . Apt Training Resources, Chennai		Apt Training Resources, Chennai
9	Team from Launchpad LLC, Chennai		Launchpad LLC, Chennai
10	Team from Smart Training Resources, Chennai		Smart Training Resources, Chennai

11	Dr. Sudesh Sivarasu, M. Tech, Ph. D	Project Leader - Bio-mechanics	Department of Human Biology University of Cape Town Medical School, Anzio Road Observatory Cape Town, South Africa – 7925
12	Dr. Srinivasan Jayaraman	Scientist	R&D, Embedded System Tata Consultancy Services

25. Seminars/ Conferences/Workshops organized & the source of funding
   a) National

S.No	Event	Period	Resource Person	Source of funding
1	Guest lecture-Technical Project Management	16.7.13	PSNACET	PSNACET
2	FDP- Communication Theory	10.12.2014 To 17.12.2014	PSNACET	PSNACET
3	FDP- Centre for faculty development Anna university,Chennai-25 FDP on Analog Digital Communication	18.06.2014 To 25.06.2014	PSNACET	ANNA UNIVERSITY
4	Workshop- Two days workshop on RF system level and EM simulation training using Agilent's system	18.07.2014 To 19.07.2014	Keysight Technologies	PSNACET
5	Workshop- Two days workshop on Evolutionary Computing	27.08.2014 To 28.08.2014	PSNACET	PSNACET
6	FDP- Analog and Digital Communication	18.06.2014 To 25.06.2014	PSNACET	ANNA UNIVERSITY
7	Workshop- RF system level and EM simulation training using Agilent Systemvue & Empro.	18.09.2014 To 19.09.2014	Keysight Technologies	PSNACET
8	FDP- Dept. of Biotechnology, Ministry of Science & Technology sponsored FDP on Recent developments and future focus of health care field in India.	06.10.15 To 10.10.15	PSNACET	DBT

9	Guest lecture - Enhancing Employabilty in core engineering through academic projects	06.08.15	ICE PEDAGOGY ARCHITECT, ICET ALCHEMIST, CinICET, BENGALURU	PSNACET
10	Seminar- Carrier Development in IT Sectors	20.07.15	NIIT, Chennai	PSNACET
11	Guest lecture -Carrier Guidance	10.7.15	Telecommn. Dept	PSNACET
12	Two days Workshop on Hands on Workshop on Design of RF Module	18.9.15-19.9.15	Keysight Technologies, Bengaluru	PSNACET
13	Guest lecture- LABVIEW programming skills to III year students	12.9.13	ISTE Sponsored	PSNACET
14	Seminar- Transmission Lines and waveguides with KETAB Studio V4.0.0.Lite	28.8.15 To 29.8.15	PSNACET	PSNACET
15	Workshop- ADS software Training & Hardware measurement	20.03.15	Keysight's Technology	PSNACET
16	Guest lecture- Medical image processing	14.03.15	Dr.VE.Jayanthi, Prof & Head Biomedical Engg.	PSNACET
17	Guest lecture- case studies and analysis on research aspects of data analytics	13.03.15	Dr.Arunkumar Thangavelu Assistant director-center for excellence in ambient intelligence, professor school of computing scienmces engg, VIT, Vellore	PSNACET
18	Workshop- ADS software Training	18.02.15-27.02.15	Keysight's Technology	PSNACET
19	Workshop- RF Front end and EM simulation using Key sight's ADS	07.02.2015	Keysight's Technology	PSNACET
20	Workshop- Two Days workshop of VLSI Design Tools	29.01.15 & 30.01.15	Dr.K.R.Valluvan Prof & Head Vellalar College of Engg. Tech, Erode	PSNACET

21	Seminar- Research Methodologies	10.01.15	Dr.G.Athisha	PSNACET
22	Workshop- Training on signal Analyzer	23.03.15	Mr.M.Sridhar, Technical Consultant, Keysight Technologies	PSNACET
23	Workshop- Two days workshop on mining the social web	29.3.16 To 30.3.16	PSNACET	PSNACET
24	Workshop-Two days workshop on advances in vlsi, embedded and neuro science in medical sciences.	12.4.16 To 13.4.16	PSNACET	PSNACET
25	Workshop- Recent research trends in vlsi technology.	17-03-2016	PSNACET	PSNACET
26	Interaction with Mr.S.Senthil Prabhu, IFS	20.02.2014	PSNACET	PSNACET
27	Seminar, ADS software Training & Hardware measurement	20.03.2015	PSNACET	PSNACET
28	Network Simulator NS2 for wireless network	29.09.2015 & 30.09.2015	PSNACET	PSNACET
29	Digital India Celebration-Technical Quiz & Paper Presentation	29.7.2015	PSNACET	PSNACET
30	Guest lecture on Bloom Taxonomy	30.03.2015	PSNACET	PSNACET

b) International

S.No	Event	Period	Resource Person	Source of funding
1	ICCCA – 2012 (International conference on Computing, Communication and Applications)	22nd to 24th 2012	VARIOUS FIELDS	PSNACET

26. Student profile programme/course wise:

Year	Name of the Course/ programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2015-2016	ECE	310	264	98	166	85
2014-2015	ECE	352	300	120	180	93
2013-2014	ECE	365	303	137	166	91
2012-2013	ECE	305	241	133	108	92

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG-ECE	99.9	--	0.1
PG – AE	100	--	--
PG-VLSI Design	100	--	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

No. of students qualified	Name of the Competitive examination			
	GATE	GRE	TANCET	BANKING EXAMS
2015-16	20	8	2	-
2014-15	17	7	3	-
2013-14	14	4	1	-
2012-13	10	2	1	-

29. Student progression

Student Progression	Department	Year				
		2010-11	2011-12	2012-13	2013-14	2014-15
UG to PG	ECE	3	7	4	4	1
PG to Ph.D.				1	1	1
Employed Campus selection		76	106	61	53	145
Employed Other than campus recruitment		25	29	42	35	56
Total		104	142	108	93	202
Student progression in % For UG to P.G		3.9%	6.6%	6.5%	7.5%	0.68%
Student progression in % PG to Ph.d		-	-	1.63%	1.63%	1.02%

30. Details of Infrastructural facilities a) Library

Department	ECE
No.of Volumes Available	2404
No.of Titles Available	127

b) Internet facilities for Staff & Students
- Department library has 8 system
- There are total of 275 systems in the department
- Department has WIFI Connectivity (256 Mbps)

c) Class rooms with ICT Facility

Rooms	No. of rooms	Facilities Available
Lecture rooms	22	LCD Projector, Computer
Tutorial Rooms	5	LCD Projector, Computer
SEMINAR HALL	2	LCD Projector, Computer

d) Laboratories

S.No	Name of the laboratory	Area of the Lab	Practical's Conducted	list of major equipments
1	Electronics Laboratory	150 Sqm	Circuits & Simulation	Cathode Ray Oscilloscope Signal Generator Digital LCR Meter Digital Logic Trainers Regulated Power Supply Dual
2	Integrated Circuit Lab	150 Sqm	LIC & Simulation	Digital Logic Trainer Signal Generator CRO RPS Auto Ranging Digital Multimeter
3	Digital Signal Processing Lab	150 Sqm	DSP & Networking	TMS 320C50 DSP Kit ESD Lab Kits
4	Communication Lab	150 Sqm	Communication & Digital	Fibre Optic Kit Analog Fibre Optic Kit Digital PSK kit PAM kit PCM kit Klystron Set up Gunn set up Fiber Optic kits Slotted line section with probe carriage
5	VLSI Lab	150 Sqm	VLSI & Embedded	Advanced Universal FPGA Trainer [VVSM-09] TMS320F6713 Texes DSP

SNo	Lab	Area		Equipment
				Develp. Kit Universal Development Board (PS-UDB-FPGA/CPLD) HP 400G2MT - i3 Computers PIC 16/18F (PS-PRIMER-PIC16X_18X) TYRO-Cool Runner II Starter Board Primer Spartan 3 Development Kit Universal Embedded Trainer Kit Embedded Development Kit
6	Microprocessor Lab	150 Sqm	Microprocessor & Microcontroller	8051 Microcontroller 8086 Microprocessor Kit (86LC-LCD) Stepper Motor Interface Card DAC Interfacing Cards
7	Keysight Lab	145 Sqm	Simulation & Testing	Signal Analyzer HP Server ML 10 E3-1220v2 Network Analyzer 14 GHz FieldFox Handheld Vector
8	LabView Lab	145 Sqm.	LabView Product	Lab View (NI MoU) LabView

31. **Number of students receiving financial assistance from college, university, government or other agencies**

Category	No of Students	
SC/ST	2015-16	343
	2014-15	327
	2013-14	270
	2012-13	224
MBC /OBC	2015-16	113
	2014-15	116
	2013-14	69
	2012-13	60

Year	No. of students receiving scholarship from			
	College	University	Government	Other agencies
2015-16	--		456	
2014-15	29		443	
2013-14	7		339	
2012-13	4		284	

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

FOR 4 YEARS

S.No	Event	Period	Resource Person
1.	Guest lecture on Enhancing Employabilty in core engineering through academic projects	06.08.15	Prof.K.Jayaraman Director, ICE PEDAGOGY ARCHITECT, ICET ALCHEMIST, CinICET, BENGALURU
2	Seminar on Carrier Development in IT Sectors	20.07.15	Mr.Arun, Manager, NIIT, Chennai
3	Guest lecture on Carrier Guidance	10.7.15	Mr.L.Ramesh General Manager ,Sales Telecommn.Dept. 1988-1992 Batch Alumini
4	Two days workshop on Network Simulator NS2 for wireless network	29.09.2015 - 30.09.2015	Dr.C.Chitra, Prof./ECE Dr.K.Batri, ASP/ECE
5	Two days Workshop on Hands on Workshop on Design of RF Modules	18.9.15-19.9.15	Mr.Rajkumar,Senior Engneer in Keysight Technologies, Bengaluru
6	Two days seminar on Transmission Lines and waveguides with KETAB Studio V4.0.0.Lite	28.8.15-29.8.15	Dr.A.KaleelRahuman, AP/ECE Dr.P.Nagarajan, AP/ECE
7	One day workshop on RF Front End and EM simulation training using Keysight's ADS	07.02.2015	Dr.K.Meena@Jayanthi Prof/ECE Mr.K.Ramamoorthy Asso.Prof/ECE
8	Two Days workshop of VLSI Design Tools	29.01.2015 & 30.01.2015	Dr. A.Kaleel Rahuman, AP/ECE Mrs.M.Revathi, AP/ECE Mrs.M.Thiruveni AP/ECE
9	Guest lecture on Bloom Taxonomy	30.03.2015	Mrs.M.Revathi AP/ECE
10	Guest lecture on medical image processing	14.03.2015	Dr.V.Magudeeswaran AP/ECE
11	Guest lecture on case studies and Analysis on Research Aspects of Data Analytics	13.03.2015	Dr.K.Adalarasu, Prof/ECE Mr.P.Thirumurugan AP/ECE
12	Seminar on Research Methodologies	10.01.2015	Dr.G.Athisha Prof/HOD/ECE
13	Guest Lecture on Career opportunities for young engineers	22.08. 2014	Mrs.M.Revathi AP/ECE
14	Two days workshop on Evolutionary Computing	27.08.2014 & 28.08.2014	Dr.K.Batri Asso.Prof/ECE Mr. P.Thirumurugan Asst.Prof/ECE
15	Two days workshop on RF system level and EM simulation training using Agilent's SystemVue & Empro	18.07.2014& 19.07.2014	Dr.K.Meena@Jayanthi Prof/ECE

16	Interaction with final year students and faculties press meet facing service commission exams	20.2.14	Mr.A.Selvapandian Asst.Prof/ECE
17	Guest lecture on development of indigenous medical technologies and IP related issues for III and IV year students	27.1.14	Dr.K.Adalarasu, Prof/ECE
18	ISTE Sponsored GUEST LECTURE an introduction to LABVIEW programming skills to III year students	12.9.13	Mrs.S.Mythili Asso.Prof/ECE Mr.K.Ramamoorthy Asso.Prof/ECE
19	GUEST LECTURE on Technical Project Management	16.7.13	Dr.G.Athisha Prof/HOD/ECE
20	One day Guest Lecture on Receiver Optimization Characteristics for Statistical Signal Processing	30.3.13	Dr.K.Meena@Jayanthi Prof/ECE
21	One day Guest Lecture on VLSI device modeling	06.03.13	Dr.K.Adalarasu, Prof/ECE
22	One day Guest Lecture on VOIP using Blackfin Processors	28.08.12	Dr.A.Kaleel Rahuman Asst.Prof/ECE
23	One day Guest Lecture on Placement opportunities	31.01.12	Dr.P.Maniraj Kumar Prof/ECE

33. Teaching methods adopted to improve student learning

Sl. No	Name of Innovative teaching approaches	Faculty Name	Year
1	Edusat programme for VLSI Design	Dr.M.Revathy	2012-2013
2	Video courses(NPTEL)	Mr.K.Ramamoorthy	2013-2014
3	Mission 10x training	Dr.M.Revathy	2014-2015
4	Videos, Online tutorials	Mrs.R.Ambika	2015-2016

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

SL. No	No. of students participated	Blood donation camps	NSS	ROTRACT	Pollution awareness programs	Free Eye Camps	Flood victim relief measure
1	85	25	20	40		8	6

35. SWOC analysis of the department and Future plans

Strengths
- Well established department with state of the art laboratories and equipment
- Highly qualified faculty members with strong research and academic knowledge

- Notable academic accomplishment with University rank holders in consecutive years
- Quality research by domain specific research groups in latest technical trends
- Conducive learning atmosphere with additional technical inputs
- Special laboratories like PSNA-Keysight centre of excellence in RF communication and circuit design and center of lab-view academy by National Instruments, Bangalore for consultancy and training activities
- Consistent placement records

Weaknesses
- Requirement of an add-on module on topics related to computes and software.
- More industrial exposures are required.

Opportunities
- Embedded Automation, Internet of things (IOT), Cognitive science and smart solutions provide number of technical opportunities for further development.
- Entry to Space/Defense Research through central government organization like ISRO, DRDO is possible
- Advancement in Telecom, Satellite and Wireless communication offer various opportunities
- Electronic products/gadgets made in India are the need of the hours. Design/Development and marketing of such gadgets lead to opportunities
- Opportunities for the development of appropriate simulation/Modeling/Prototyping tools which would reduce the experimental cost/power

Challenges
- Skill development initiatives to enhance employability
- International/National role in providing technical solutions
- Social contribution through technical expertise.

Future Plans
- To establish a Centre for Training in Innovative IOT related projects.
- To develop citizen friendly Android applications as solutions to real world problems.
- To design robotic solutions for problems.
- To develop the department as a Centre for Skill Development.
- To establish a Network Laboratory in the department to work in Cyber Intelligence problems.

1. **Name of the department**
   ELECTRICAL AND ELECTRONICS ENGINEERING.

2. **Year of Establishment of College 1984**
   B.E. –ELECTRICAL AND ELECTRONICS ENGINEERING
   Year of Establishment (1995)

Sl.No.	Year	Intake
1.	1984	NIL
2.	1995	60
3.	2002	90
4.	2005	120

M.E. – POWER ELECTRONICS AND DRIVES
Year of Establishment (2003)

Sl.No.	Year	Intake
1.	2003	18
2.	2005	25

Ph.D. – Faculty of Electrical Engineering Year of Establishment (2012)

3. **Names of Programmes / Courses offered (UG, PG, and Ph.D.)**
   B.E. – Electrical and Electronics Engineering
   M.E – Power Electronics and Drives
   Ph.D. – Faculty of Electrical Engineering

4. **Names of Interdisciplinary courses and the departments/units involved**

Sl.No.	Name Of Interdisciplinary Course	Departments Involved
1	Transforms And Partial Differential Equations	Mathematics
2	Environmental Science And Engineering	Physics/Chemistry
3	Numerical Methods	Mathematicss
4	Object Oriented Programming	Computer Science Engineering
5	Discrete Time Systems And Signal Processing	Electronics And Communication Engineering
6	Communication Engineering	Electronics And Communication Engineering
7	Embedded Systems	Electronics And Communication Engineering
8	Principles Of Management	MBA

5. **Annual/ semester/choice based credit system (programme wise)**
   B.E. – Electrical & Electronics Engineering – SEMESTER BASED
   M.E./M.Tech. Power Electronics & Drives – SEMESTER BASED

6. Participation of the department in the courses offered by other departments

Semester	Interdisciplinary Course	Departments Involved
II	Basic Electrical & Electronics Engineering	Civil Engineering, Mechanical Engineering.
II	Circuit Theory	Bio-Medical Engineering
III	Electrical Drives & Controls	Mechanical Engineering
III	Electrical Engineering and Instrumentation	Electronics & Communication Engineering
III	Basic Electrical Engineering	Bio-Medical Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

The following value added courses in collaboration with SIEMENS India Pvt. Ltd., Mumbai.

Basics of automation

Basics of AC Drives

Basics of Process Instrumentation

8. Details of courses/programmes discontinued (if any) with reasons:
NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	04	04
Associate Professors	06	03
Assistant Professors	18	22

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. V. Rajasekaran	M.E., Ph.D.	Prof & Head	Power Systems	18Y 08M	04
Dr. K. Mahadevan	M.E., Ph.D.	Professor	Power Systems	18Y 08M	03
Dr.N.Chandrasekaran	M.E., Ph.D.	Professor	Power Electronics & Drives	17Y 01M	---
Dr. S. Muthukumaran	M.E., Ph.D.	Professor	Applied Electronics	13Y 02M	---
Dr. R. Karthigaivel	M.Tech., Ph.D.	Associate Professor	Power Systems	09Y 00M	---
Mr. S. Selvakumaran	M.E., (Ph.D).	Associate Professor	Power System	14Y 08M	---

Mr. J. Velmurugan	M.Tech.	Associate Professor	Power System	15Y 03M	---
Mr. R.M. Sekar	M.Tech., (Ph.D).	Assistant Professor	Power Electronics	14Y 09M	---
Mrs. N. Selvarani	M.E., (Ph.D).	Assistant Professor	Applied Electronics	10Y 11M	---
Mr. L. Sahaya Senthamil	M.Tech., (Ph.D).	Assistant Professor	Power Electronics	10Y 09M	---
Dr. S.K. Nandha Kumar	M.E., Ph.D.	Assistant Professor	Power Systems	10Y 01M	---
Dr. I. Gerald Christopher Raj	M.E., Ph.D.	Assistant Professor	Power Electronics & Drives	12Y 02M	---
Mr. J.E. Moshe Dayan	M.E., (Ph.D).	Assistant Professor	Power Electronics & Drives	08Y 10M	---
Dr. K. Arul Jeyaraj	M.E., Ph.D.	Assistant Professor	Power Systems	12Y 11M	---
Dr. R. Vimala	M.E., Ph.D.	Assistant Professor	Power Electronics & Drives	09Y 09M	---
Mr. A. Karthikeyan	M.E.,	Assistant Professor	Power Systems Engineering	13Y 05M	---
Mr. N. Soundiraraj	M.E., (Ph.D).	Assistant Professor	Power Electronics & Drives	07Y 03M	---
Mr. F.X. Edwin Deepak	M.E., (Ph.D).	Assistant Professor	Power Electronics & Drives	07Y 03M	---
Dr. M. Arul Prasanna	M.E., Ph.D.	Assistant Professor	Power Electronics & Drives	06Y 10M	---
Mr. R. Joseph Rathish	M.E., (Ph.D).	Assistant Professor	Applied Electronics	06Y 10M	---
Mr. K. Palanivel Rajan	M.E., (Ph.D).	Assistant Professor	Applied Electronics	06Y 10M	---
Mr. B. Pushpavanam	M.E.,	Assistant Professor	Applied Electronics	09Y 10M	---
Ms. P. Malathy	M.E., (Ph.D).	Assistant Professor	Power Systems Engineering	09Y 11M	---
Mrs. J. Booma	M.E., (Ph.D).	Assistant Professor	Applied Electronics	13Y 05M	---
Mr. I. Sayed Mohamed	M.E.,	Assistant Professor	Applied Electronics	07Y 06M	---
Mr. D. Arun Prasad	M.E., (Ph.D).	Assistant Professor	Power Electronics &Drives	05Y 08M	---
Mr. R. Bala Dhandabani	M.E.,	Assistant Professor	Power Electronics &Drives	03Y 08M	---
Ms. S. Sindhuja	M.E.,	Assistant Professor	Power Electronics & Drives	02Y 08M	---
Ms. P. Sivakami	M.E.,	Assistant Professor	Power Electronics & Drives	02Y 08M	---

11. List of senior visiting faculty - NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty NIL

13. Student -Teacher Ratio (programme wise)
Ratio may be provided for each program separately. Please use bullets
- B.E. Electrical & Electronics Engineering   : -   15:1
- M.E. Power Electronics and Drives   : -   12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1.	TECHNICAL	06	06
2.	ADMINISTRATIVE	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty Members
Ph.D.	10
M.E.	19

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: Please provide the information about the research centre recognition details.
The department has been recognized as a research centre by Anna University, Chennai for doing Ph.D. and M.S.(By research) programmes.
Research Centre Number: 4591008

19. Publications:
* a) Publication per faculty 5.5
* Number of papers published in peer reviewed journals (national /international) by faculty and students

Sl. No.	No. of Publications in National Journal	No. of Publications in International Journal	If any made by Students
1	Nil	209	31

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Sl. No.	Name of the Faculty	No. of Publications in listed in SCOPUS, EBSCO etc.
1	Dr V Rajasekaran	20
2	Dr K Mahadevan	20
3	Dr N Chandrasekaran	16
4	Dr S Muthukumaran	2

5	Dr R Karthigaivel	14
6	Mr S Selvakumaran	8
7	Mr RM Sekar	5
8	Ms N Selvarani	3
9	Mr L Sahayasenthamil	2
10	Dr SK Nandakumar	14
11	Dr I Gerald Christopher Raj	20
12	Dr R Vimala	15
13	Mr N Soundiraraj	2
14	Mr FX Edwin Deepak	9
15	Mr M Arul Prasanna	10
16	Mr R Joseph Rathish	11
17	Mr K Palanivel Rajan	3
18	Ms P Malathi	3
19	Ms J Booma	2
20	Mr I Syed Mohammed	2
21	Mr D Arun Prasad	4
22	Mr R Baladhandapani	1
23	Ms S Sindhuja	1
24	Ms P Sivakami	2

∗Monographs if any, NIL

∗ Chapter in Books/ Books Edited, NIL

∗ Books with ISBN/ISSN numbers with details of publishers

Sl.No.	Title of the Book	Publisher Name & Year	ISBN No.
1	Electrical Circuit Analysis	PHI learning Private Limited, 2015	978-81-203-5047-2

Citation Details

Sl. No.	Name of the Faculty	Citation Index	SNIP	SJR	h-index	Impact Factor	Publication in Inter'l Database
Electrical & Electronics Engineering Department							
1	Dr V Rajasekaran	45	7.853	7.563	4	9.478	20
2	Dr K Mahadevan	206	6.46	5.645	5	5.211	20
3	Dr N Chandrasekaran	33	0.496	0.699	3	2.508	16
4	Dr S Muthukumaran	10	--	--	2	--	2
5	Dr R Karthigaivel	47	4.347	2.293	3	2.625	14
6	Mr S Selvakumaran	32	--	--	3	4.189	8
7	Mr RM Sekar	17	--	--	2	1.934	5
8	Ms N Selvarani	0	--	--	0	--	3
9	Mr L Sahayasenthamil	7	--	--	1	0.736	2
10	Dr SK Nandakumar	26	--	0.87	4	6.283	14
11	Dr I Gerald Christopher Raj	24	4.378	3.784	4	9.397	20
12	Dr R Vimala	34	0.496	0.549	3	2.041	15
13	Mr N Soundiraraj	7	--	--	1	0.713	2
14	Mr FX Edwin Deepak	3	0.496	0.549	1	1.264	9

15	Mr M Arul Prasanna	4	0.835	0.647	1	8.014	10
16	Mr R Joseph Rathish	46	--	--	3	1.310	11
17	Mr K Palanivel Rajan	0	--	--	0	2.132	3
18	Ms P Malathi	0	--	--	0	3.508	3
19	Ms J Booma	0	--	--	0	--	2
20	Mr I Syed Mohammed	0	--	--	0	--	2
21	Mr D Arun Prasad	0	--	--	0	0.736	4
22	Mr R Baladhandapani	0	--	--	0	--	1
23	Ms S Sindhuja	0	--	--	0	--	1
24	Ms P Sivakami	0	--	--	0	3.84	2

20. Areas of consultancy and income generated

SL. No.	Area of Consultancy	Income Generated
1.	Energy Auditing	Rs.2,88,500

21. Faculty as members in

a) National committees b) International Committees

c) Editorial Boards

NBA Evaluators

SL. No.	Name of the Faculty
1.	Dr. V. Rajasekaran
2.	Dr. K. Mahadevan

SL. No.	Name of the Faculty	National/International /Editorial Board member/ Reviewers
1.	Dr. V. Rajasekaran	Reviewer
2.	Dr. K. Mahadevan	Reviewer
3.	Dr. N. Chandrasekaran	Reviewer
4.	Dr. S. Muthukumaran	Reviewer
5.	Dr. R. Karthigaivel	Reviewer
6.	Mr. S. Selvakumaran	Reviewer
7.	Dr. S.K. Nandha Kumar	Reviewer
8.	Dr. I. Gerald Christopher Raj	Reviewer
9.	Dr. R. Vimala	Reviewer

Dr. V. Rajasekaran

Advisory Board member: Industry Institute Partnership Cell (IIPC), KLN, College of Engineering, Madurai

Consultant: VRNC [Virtual Research & Consultancy]

Dr. K. Mahadevan : Board of study member, Sethu Institute of Technology, Kariapatti

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

Type of Project	No. of students	Academic Year
Inter departmental	NIL	NA
In-house	140(100%)	2015-16
In-house	151(96.18%)	2014-15
In-house	155(95.68%)	2013-14
In-house	132(100%)	2012-13

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies Please provide the details about internships thro placement here for last 4 academic years

INTERNSHIP DETAILS

Sl. No	BATCH	COMPANY NAME	EMPLOYEE ID	STUDENT NAME
1	2015-2016	NIL	NA	NA
2	2014-2015	iNautix Technologies India Private Limited	200425	Manish Gupta
			200426	Madan Parajuli
			200427	Prem Kumar Rajappan
			200430	Priyadharshini Ganesan
			200431	Nandhini Sivakumar
			200441	Arul Suriya Baskaran
3	2013-2014	iNautix Technologies India Private Limited	200243	Buvanesh Prithvi Manoharan
			200244	Abinaya Palaniappan
			200245	Sofiya Gulmahar Mohamed Zackariya
4	2012-2013	NIL	NA	NA

23. Awards / Recognitions received by faculty and students

S. No	Name of Student	Event	Venue	Date	Awards /Position
1.	Doriana Princy Gonsalves	ISTE Chapter	Anand Institute of Higher Technology	13th Feb. 2016	Best Student Award
2.	A.S. Kamaraja P. Srinivasan	Paper Presentation-Conference	Dhirajlal Gandhi College of Technology	4th April 2016	Best Paper

24. List of eminent academicians and scientists/visitors to the department

S. No	Name of Resource Person	Designation	Organization	Date of Visit
1	Dr. M. Kaliamoorthy	Professor	Karpagam College of Engineering, Coimbatore.	29th Jan. 2016
2	Mr. Shailesh Shinde	Manager-Training	SIEMENS India Pvt. Ltd. Mumbai.	10th & 11th March, 2015
3	Dr. Rajan Singaravel	Assistant Professor	NIT, Tiruchirappalli	03rd & 04th Dec. 2015
4	Dr. Joachim Holtz	Former Professor and Head	Electrical Machines and Drives Laboratory, University of Wuppertal, Germany	12th Jan., 2015
5	Mr. K. Boopathi	Scientist & Unit Head	Wind Resource Assessment, Centre for Wind Energy Technology Chennai - 600100	31st Aug. 2013

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

S.No	Event	Period	Resource Person	Source of funding
1	Basics of Process Instrumentation SIEMENS India Pvt. Ltd. Mumbai.	10th & 11th Mar., 2015	Mr. Shailesh Shinde	Self
2	Two Days National level Workshop on 'CONTROL OF INDUSTRIAL DRIVES'	12th Jan. 2015	Dr. Joachim Holtz, Former Professor and Head, Electrical Machines and Drives Laboratory, University of Wuppertal, Germany	Self
3	One Day National level Seminar on 'Stand Alone Wind Power Plant and Grid Integration'	31st August, 2013	K.BOOPATHI Scientist & Unit Head, Wind Resource Assessment, Centre for Wind Energy Technology Chennai - 600100	Self

b) International

Sl. No	Event	Period	Resource Person	Source of funding
1.	International Conference on Power, Energy and Control (ICPEC '13)	6th February to 8th February 2013	Dr. Joachim Holtz, Dr. Lalit Goel, Dr. D.P.Kothari, Dr. M. Chithambaram	Technically Sponsored by IEEE power and Energy Society

26. Student profile programme/course wise:

Year	Name of the Course/programme (refer question no. 4)	pplications received	Selected	Enrolled *M	*F	Pass percentage
2012-2013	Electrical and Electronics Engineering	160	123	72	51	83.84
2012-2013	Power Electronics and drives	30	25	11	14	100
2013-2014	Electrical and Electronics Engineering	150	118	72	46	86.95
2013-2014	Power Electronics and drives	30	23	6	17	100
2014-2015	Electrical and Electronics Engineering	165	138	90	48	78.98
2014-2015	Power Electronics and drives	30	25	11	14	100
2015-2016	Electrical and Electronics Engineering	160	125	65	60	Result not Published
2015-2016	Power Electronics and drives	30	15	8	7	

*M = Male   *F = Female

27.   Diversity of Students

Name of the Course	% of students from the same state				% of students from other States				% of students from abroad			
	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2015-16
UG-EEE	96.7	97.5	86.9	97.6	0	1.69	0	0.8	3.3	0.8	13.1	1.6
PG-PED	68	91.3	92	92.3	47	9.5	8	7.6	-	-	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

	Name of the Competitive examination										
	GATE				GRE			TANCET			
	2012-13	2013-14	2014-15	2015-16	2012-13	2013-14	2014-15	2012-13	2013-14	2014-15	Banking Exams
No. of students qualified	-	-	-	1	-	-	-	2	6	11	1

29. Student progression

Student Progression	Against % Enrolled			
	2011-2012	2012-2013	2013-2014	2014-2015
UG to PG	4.80%	11.36%	6.17%	7.00%
Employed • Campus selection • Other than campus recruitment	64.00% 6.40%	37.87% 4.54%	26.54% 4.93%	52.22% 6.36%

30. Departmental Infrastructural facilities

a) Library

Department	EEE
No.of Volumes Available	1300
No.of Titles Available	36

b) Internet facilities for Staff & Students: 24 hours internet facility with 256 mbps (1:1) connectivity and wi-fi : 4 Nos. LAN- 98.

c) Class rooms with ICT facility

Rooms	No. of rooms	Facilities available
Lecture rooms	11	LCD Projector, OHP Projector
Tutorial Rooms	01	Smart board, OHP Projector, LCD projector
Seminar Hall	01	Smart board, OHP Projector, LCD projector

d) Laboratories

Sl. No.	Name of the laboratory	Area of the lab. (sq.m)	Practicals conducted	List of major equipments
1	Electrical Machines lab.	335	30	1. 50A, 230V/36V, DC Rectifier 2. 100A, 230V DC, DC Rectifier
2	Electrical workshop	400	20	1. Dual Trace Oscilloscope (30MHZ)
3	Electrical Engineering lab.	142	20	---
4	Power Electronics & Drives lab.	209	30	Digital Storage Oscilloscope Micro Processor Firing Scheme For Three Phase Converter IGBT Based PWM Chopper 400 A, FLUKE Make AC Current Clamp Probe DSP Based Motor Controller Kit With AC Drive (4KVA,415V) IGBT Based 3Ø PWM Inverter Intelligent Power Module For BLDC Motor(PEC 16DSM01) 3HP BLDC Motor With Eddy Current Loading 1Ø Half/Fully Control Bridge

5	Control & Instrumentation lab.	223	20	---
6	Digital Simulation lab.	133	12	---
7	Research & Development lab.	70		---

The first cell (top) of the table contains:

Converter
Micro Controller Based Speed Control of Converter/Chopper FED DC motor
Micro Controller Based Speed Control of VSI FED 3Ø Induction Motor
DSP Based Speed Control Of SRM Motor
Self-Control Operation Of Synchronous Motor
Condition Monitoring Of 3Ø Induction Motor Under Fault Condition
RE-Programmable Logic Devices And Programming (FPGA)
Design Of Switched Mode Power Supplies
"FLUKE" make Power Quality Analyzer with Calibration
"TEKTRONIX" make 70MHz 2Channel Digital storage Oscilloscope
"TEKTRONIX" make 60MHz 4Chennal Digital storage Oscilloscope (Model:TBS1064)
Voltage Regulation of 3-Phase Synchronous Generator
"FLUKE" make 3Ø Power Quality Analyzer (Model-435-II)
"TECTRONIX" make Mixed Signal Oscilloscope (Model: MS 02014B)

31. Number of students receiving financial assistance from college, university, government or other agencies: NIL

Year	No. of students receiving scholarship from			
	College (Sports Quota)	University	Government	Other agencies
2015-16	---	---	213	---
2014-15	3	---	210	---
2013-14	1	---	208	---
2012-13	---	---	223	---

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

S. No.	Event	Period	Resource Person
1	Basics of Process Instrumentation SIEMENS India Pvt. Ltd. Mumbai.	10th & 11th Mar., 2015	Mr. Shailesh Shinde
2	Two Days National level Workshop on 'Control of Industrial Drives'	12th Jan., 2015	Dr. Joachim Holtz, Former Professor and Head, Electrical Machines and Drives Laboratory, University of Wuppertal, Germany
3	One Day National level Seminar on 'Stand Alone Wind Power Plant and Grid Integration'	31st Aug., 2013	K.BOOPATHI Scientist& Unit Head, Wind Resource Assessment, Centre for Wind Energy Technology, Chennai 600100.

33. Teaching methods adopted to improve student learning:

Use of Instructional methods and pedagogical initiatives
Quality Class Room Teaching
Continuous Assessment in Laboratory
Class Committee Monitoring System

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl. No.	No. of students participated	Blood donation camps	YRC	NSS	ROTRACT	Pollution awareness programs	Free Eye Camps	Flood victim relief measure	HELPS
2015-16	65	46	---	12	7	15	10	10	120
2014-15	52	38	---	9	5	12	11	---	120
2013-14	51	41	---	6	4	8	7	---	120
2012-13	37	24	---	8	5	7	4	---	120

35. SWOC analysis of the department and Future plans:

Strengths
- NBA Accredited department
- High pass percentage and placement record
- Anna University recognized research centre for doing PhD and MS programmes
- Nearly one-fourth of total faculty members are PhD holders
- Have established SIEMENS authorized Industrial Automation & Drives laboratory and Instrumentation laboratory
- Setup of Occupational Training Centre to train school drop-outs and unemployed youth in and around Dindigul city

- Functioning of Energy Auditing Cell under a certified energy auditor which does energy audits in industry across the country
- Mentoring system

Weaknesses
- Lack of full time research scholars.
- Larger Research projects.
- Lack of proactive approach to enhance consultancy.

Opportunities
- Inter-departmental interaction for research
- International Collaboration
- Web facilitated course delivery
- Enhanced consultancy and R&D.
- Networking with National R&D Labs and IITs.

Challenges
- Cater the needs of Industries.
- Patenting the Research findings
- Skil Up gradation.

Future Plans
- To make the department a centre of excellence in the field of Power, Energy and Control
- To take more consultancy works and get funded research projects
- To motivate and get 100% PhD holders as faculty members
- To motivate and get 100% placement and higher studies combined record.

EVALUATIVE REPORT
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

1. Name of the department   : Computer Science and Engineering

2. Year of Establishment   :

B.E. - Computer Science and Engineering (1994)

Sl.No.	Year	Intake
1.	17.11.1994	60
2.	22.06.2001	90
3.	19.09.2005	120
4.	01.09.2011	180
5.	19.03.2013	240

M.E. - Computer Science and Engineering (2002)

Sl.No.	Year	Intake
1.	2002	18
2.	2004	25

Ph.D. – Information and Communication Engineering (2012)

3. Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D.,etc.)

     B.E. – Computer Science and Engineering
     M.E. - Computer Science and Engineering
     Ph.D. – Information and Communication Engineering

4. Names of Inter disciplinary courses and the departments / units involved: NIL

5. Annual / semester / choice based credit system (programme wise) :
B.E – Computer Science and Engineering - Semester Based System
M.E – Computer Science and Engineering – Semester Based System

6. Participation of the department in the courses offered by other departments

Semester	Interdisciplinary Course	Departments Involved
I,III,V	Fundamentals of Computing and Programming , Computer Practice Laboratory -I , Computer Practice Laboratory-II, Internet and Java, Internet and Java programming Lab, OOPS and Data Structures Laboratory, Computer Programming.	BME
I	Fundamentals of Computing and Programming, Computer Practice Laboratory –I.	CIVIL
I,III,V,VII	Fundamentals of Computing and Programming , Computer Practice Laboratory -I ,Computer Practice Laboratory-II, Data Structures and Object	ECE

	Oriented Programming in C++,Data structures and Object Oriented Programming Lab, Computer Architecture and Organization, Computer Networks, Computer Networks Lab.	
I,III,V	Fundamentals of Computing and Programming , Computer Practice Lab -I , Data Structures and Algorithms, Data Structures and Algorithms Lab, Object Oriented Programming, Object Oriented Programming Lab, Computer Networks, Operating Systems.	EEE
I	Fundamentals of Computing and Programming , Computer Practice Laboratory –I, Computer Programming.	MECH

7. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL

8. **Details of courses / programmes discontinued (if any) with reasons**: NIL

9. **Number of Teaching posts**

Designation	Sanctioned	Filled
Professors	6	3
Associate Professors	12	5
Assistant Professors	31	42

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M.Phil.etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 Yrs
Dr.D. Shanthi	M.E., Ph.D.	Professor & Head	CSE	24 Years	-
Dr.N.Uma Maheswari	M.E., Ph.D.	Professor	CSE	15 Years	01
Dr.K.Dhanalakshmi	M.E., Ph.D.	Professor	ICE	17 Years	-
Dr.T.Hemalatha	M.E., Ph.D.	Associate Professor	ICE	17 Years	-
Dr.M.S.Thanabal	M.E., Ph.D.	Associate Professor	ICE	15 Years	-
Mrs.S.Pushpalatha	M.C.A., M.E.,	Associate Professor	CSE	17.5 Years	-
Mr.S.Satheesbabu	M.C.A., M.E.,	Associate Professor	CSE	16 Years	-
Mr.R.Karthikeyan	M.Tech.,	Associate Professor	CSE	15.5 Years	-
Mr.S.K.Somasundaram	M.E.,	Assistant Professor	CC	13 Years	-
Mrs.M.Buvana	M.E.,	Assistant Professor	CSE	12 Years	-
Mr.A.Thomas Paul Roy	M.E.,	Assistant Professor	CSE	11 Years	-
Mr.M.Balasubramani	M.E.,	Assistant Professor	CC	13 Years	-
Dr.S.Jeyanthi	M.E., Ph.D	Assistant Professor	CSE	11 Years	-
Dr.P.Gokulakrishnan	M.E., Ph.D.	Assistant Professor	ICE	14 Years	-

Mrs.A.Sathya Sofia	M.E.,	Assistant Professor	CSE	9 Years	-
Mr.D.Suresh	M.E.,	Assistant Professor	CSE	13 Years	-
Dr.K.Manivannan	M.E., Ph.D.	Assistant Professor	ICE	11 Years	-
Mr.K.Suresh	M.E.,	Assistant Professor	CSE	8 Years	-
Mrs.J.Punitha Nicoline	M.E.,	Assistant Professor	CSE	7 Years	-
Dr.J.Benadictraja	M.E., Ph.D.	Assistant Professor	ICE	8 Years	-
Mr.Y.Arockia Raj	M.E.,	Assistant Professor	CSE	7 Years	-
Mrs.U.BarakathNisha	M.E.,	Assistant Professor	CSE	6 Years	-
Mrs.G.Kirubasri	M.E.,	Assistant Professor	CSE	7 Years	-
Mrs.D.M.D.Preethi	M.E.,	Assistant Professor	CSE	12 Years	-
Mr.S.Dhasaratha Pandian	M.E.,	Assistant Professor	CSE	6 Years	-
Ms.P.Kiruthiga	M.E.,	Assistant Professor	CSE	4Years	-
Mr.A.H.Nandhu Kishore	M.E.,	Assistant Professor	CSE	10 Years	-
Ms.N.Kalpana	M.E.,	Assistant Professor	CSE	7 Years	-
Mrs.M.Shanmugapriya	M.E.,	Assistant Professor	CSE	3 Years	-
Mr.P.Kasthuri Rengan	M.E.,	Assistant Professor	CSE	5 Years	-
Ms.S.Naganandhini	M.E.	Assistant Professor	CSE	4 Years	-
Mr.N.Rajesh Pandian	M.E.,	Assistant Professor	MPC	3 Years	-
Mrs.C.Sathya	M.E.,	Assistant Professor	CSE	6 Years	-
Mrs.K.Kalaivani	M.E.,	Assistant Professor	CSE	6 Years	-
Mr. V.Nanda Kumar	M.E.,	Assistant Professor	CSE	2 Years	-
Mrs.K.RamaAbirami	M.E.,	Assistant Professor	CSE	5 Years	-
Mrs.S.SanthanaPrabha	M.E.,	Assistant Professor	CSE	2 Years	-
Ms.S.T.Shenbagavalli	M.E.,	Assistant Professor	CSE	2.5 Years	-
Mrs.G.Mariammal	M.E.,	Assistant Professor	CSE	7 Years	-
Ms.V.Priya	M.E.,	Assistant Professor	CC	4.5 Years	-
Mrs.A.Raihana	M.E.,	Assistant Professor	CC	5 Years	-
Mrs.M.Jeyanthi	M.E.,	Assistant Professor	CSE	2 Years	-
Mrs.A.Joyce	M.E.,	Assistant Professor	CC	3 Years	-
Mr.SakthiKarthiDurai	M.Tech	Assistant Professor	IT	5Years	-
Mrs.S.Hemalatha	M.E.,	Assistant Professor	CSE	1Year	-
Mrs.N.Dhanalakshmi	M.E.,	Assistant Professor	CSE	14.5Years	-
Mrs.E.Malarvizhi	M.E.,	Assistant Professor	CC	2 Years	-
Mrs.K.Gayathri	M.E.,	Assistant Professor	CSE	6.5 Years	-
Mr.T.Selvakumar	M.E.	Assistant Professor	CSE	3 Years	-
Ms.S.S.Deepthi	M.E.	Assistant Professor	CSE	-	-

11. List of senior visiting faculty   :   NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty   :   NIL

13. Student-Teacher Ratio (programme wise):

  ● B.E Computer Science and Engineering   - 15.6 :1
  ● M.E Computer Science and Engineering - 12.5 :1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No	Type of the Supporting Staff	Sanctioned	Filled
1	Technical	8	8
2	Administrative	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil /PG.

S.No.	Qualification	Number of Faculty Members
1.	Ph.D.	09
2.	M.E.	41

16. Number of faculty with ongoing projects from a)National b)International funding agencies and grants received

S. No.	Name of the Project	Name of the Funding Agency	Name of the Project Investigator	National/ International	Total Grant Amount in Lakhs. (Rs)
1.	Inclusion of FACE biometric security system using hidden markov and neural networks in banking	AICTE, New Delhi	Dr.D.Shanthi	National	Rs. 3.35
2.	Fingerprint Recognition System for Latent Overlapped Images	AICTE, New Delhi	Dr.N.Uma Maheswari	National	Rs.3.60
3.	National Level Seminar on "Key Technologies and Intelligent Tools in Health care Applications over Internet of Things (IoT)	DBT, New Delhi	Dr.K.Dhanalakshmi	National	Rs. 0.7
4.	Bioinformatics and computational Genomics: Intelligent tools and Methods to prevent Epidemic Diseases using Big Data.	DBT, New Delhi	Dr.N.Uma Maheswari	National	Rs.0.5

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

Sl.No	Name of the Funding Agency	National/ International	Total Grant Amount in Lakhs (Rs)
1	AICTE, New Delhi	National	Rs.6.95
2	DBT, New Delhi	National	Rs.1.2

18. Research Centre / facility recognized by the University: Recognized Research Centre for Ph.D, MS (By Research) by Anna University, Chennai.

19. Publications:

a) Publication per faculty : 4.64 (232/50)

* Number of papers published in peer reviewed journals (national / international)   by faculty and students

Sl.No.	No. of Publications in National Journal	No. of Publications in International Journal	If any made by Students
1	-	232	87

* Number of publications listed in International Database   :

Sl. No.	No. of Publications	Listed in
1	60	Scopus
2	81	Google Index
3	5	EBSCO

*Chapter in Books / Books Edited

Sl.No.	Title of the Book	Publisher Name & Year
1	Ever Green C projects	SCITECH Publications & 2008
2	PC Tools and Techniques	SCITECH Publications & 2006
3	Computer Fundamentals with MS Office Applications	SCITECH Publications & 2002
4	Computer Concepts and Windows	Vikas Publications & 2002
5	Computer Programming Laboratory Manual	SCITECH Publications & 2001
6	Java Programming Paradigms	Jayalakshmi Publications & 2013
7	Compiler Design	YesDee Publications & 2015
8	Data structures Algorithm Analysis in C	Sri Krishna Publications & 2008
9	Fundamentals of computing	JAITECH Publications & 2001
10	Computer Programming	Charulatha Publications & 2015
11	Programming Paradigms	Hayagiri Publications &2014
12	Object Oriented Analysis and Design	Hayagiri Publications &2014
13	Visual Programming	Srikrishna Publications&2007

*Books with ISBN / ISSN numbers with details of publishers

S.No.	Title of the Book	Publisher Name & Year	ISBN No.
1	Ever Green C projects	SCITECH Publications & 2008	9788183711081
2	PC Tools and Techniques	SCITECH Publications & 2006	8183710336
3	Computer Fundamentals with MS Office Applications	SCITECH Publications & 2002	8187328886
4	Computer Concepts and Windows	Vikas Publications & 2002	8125912398
5	Computer Programming Laboratory Manual	SCITECH Publications & 2001	8187328541
6	Java Programming Paradigms	Jayalakshmi Publications & 2013	9789384193379
7	Compiler Design	YesDee Publications & 2015	9789380381428

*Citation Index, SNIP, SCI, Impact factor, h-index

S. No.	Name of the Faculty	Citation Index	SNIP	SJR	h-index	Impact factor	Publication in Internal Database
1	Dr.D.Shanthi	131	-	2.479	5	5.8	37
2	Dr.N.UmaMaheswari	70	-	2	5	4.25	25
3	Dr.K.Dhanalakshmi	3	-	1	1	2.5	6
4	Dr.T.Hemalatha	13	-	1	1	2	3
5	Dr.M.S.Thanabal	-	-	1	-	1	4
6	Mrs.S.Pushpalatha	2	-	-	1	-	3
7	Mr.S.Satheesbabu	-	-	2	-	-	3
8	Mr.R.Karthikeyan	-	-	-	-	-	3
9	Mr.S.K.Somasundaram	8	-	-	1	3.2	5
10	Mrs.M.Buvana	12	-	1	2	0.365	11
11	Mr.A.ThomasPaulRoy	3	-	-	1	2.5	5
12	Mr.M.Balasubramani	-	-	-	-	-	2
13	Mrs.S.Jeyanthi	18	-	1	2	3.5	5
14	Mr.P.Gokulakrishnan	2	-	2	-	2.5	4
15	Mrs.A.Sathya Sofia	3	-	-	1	2.1	4
16	Mr.D.Suresh	-	-	-	-	1.78	4
17	Dr.K.Manivannan	2	-	3	1	2.12	6
18	Mr.K.Suresh	-	-	-	-	-	2
19	Mr.J.Benadictraja	-	-	-	2	-	5
20	Mr.Y.Arockia Raj	-	-	-	-	0.27	1
21	Mrs.U.BarakathNisha	-	-	2	1	0.45	1
22	Mrs.G.Kirubasri	-	-	-	-	-	1
23	Mrs.D.M.D.Preethi	3	-	-	1	1.6	2
24	Mr.A.H.NandhuKishore	-	-	-	-	-	1
25	Mrs.K.RamaAbirami	1	-	-	13	0.522	1
26	Mrs.N.Dhanalakshmi	1	-	2	-	1.5	2

20.   Areas of consultancy and income generated

S.No.	Area of Consultancy	Company	Income / Status
1	An Intranet based smart Library	PSNACET	Completed
2	HR Module	Surya color	On Going
3	Studio Transaction Module	Surya color	On Going
4	Feedback Assessment System	PSNACET	On Going
5	Development of a bulk SMS system to TNEB Pensioners Welfare	TNEB	Completed

21. Faculty as members in

a)   National committees b) International Committees c)Editorial Boards….

Sl. no	Name of the Faculty	National/International/Editorial Board member
1	Dr.D. Shanthi, Professor & Head	Editorial board member in International journal for Imaging system and technology.
		Chairperson – CSE Board, Anna University Zone XV Central Valuation.
		Board of studies member in National Engg. College, Kovilpatti
		Project selection committee member of Dindigul Collectorate – Project selection committee
		Advisory Committee member of Exam Board Committee- Bharathiyar University
2	Dr.N.UmaMaheswari, Professor	Editorial board member in International Journal of Engineering, Science Research and Reviews

22.   Student projects

a) Percentage of students who have done in-house projects including interdepartmental/ programme

Type of Project	No. of students	Academic Year
Inter departmental	NIL	NA
In-house /Industry	187(88.20)	2015-16
In-house	171(80.7)	2014-15
In-house	154(97.5%)	2013-14
In-house	150(100%)	2012-13

b)   Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry / other agencies

Sl. No	BATCH	COMPANY NAME	NO. OF STUDENTS	PERCENTAGE
1	2015-2016	iNautix Technologies India Private Limited	19	100%
		Vernalis Systems	4	
		Unilogic Technologies	1	
		Cloud Kinetics/PSNACET	48	
		Infoziant /PSNACET	30	
		Innovative Dynamic Technologies/PSNACET	38	
		IMIK Technologies/PSNACET	21	
		Perpetro Technologies/PSNACET	51	
2	2014-2015	iNautix Technologies India Private Limited	12	19.3
		Vernalis Systems	2	
		Cloud Kinetics/PSNACET	27	
3	2013-2014	iNautix Technologies India Private Limited	3	2.5
		Solaris Technologies//PSNACET	1	

23. Awards / Recognitions received by faculty and students

Sl.No.	Name of Student	Event	Venue	Date	Awards
1	Harish Ravindran R	Java coding Contest, level Competition	iNautix Bangalore	2016	IV Place
2	Ms. Amutha	ISTE	Madurai	2014	Best Student
3	M. Supraba	IURL'2014	IIT Bombay	22.03-14 to 22.03-14	5th position among 200 teams at the National
4	R.Vijayapandi				
5	H.Ashok				
6	S. Sathish Kumar	CIO	CTS,Chennai	2014	III Place

- Largest CSI Student Branch award given to CSE Department in the 50th CSI Annual convention held at Vizhagaatinam in December 2013.

24. List of eminent academicians and scientists / visitors to the department

S.No	Name of Resource Person	Designation	Organization	Date of Visit
1	Dr.S.Muttan	Prof. & Head	Anna University,Chennai.	22.03.16
2	Dr.Latha Paul	Director	Christian Fellowship Hospital, Oddanchatram.	23.03.16
3	Mr.P.Vignesh Raja	Senior Engineer	C-DAC, Chennai	24.03.16
4	Ms. Leena Devakumar	Director	I2I Telesolution and Telemedicine, Bangalore.	24.03.16
5	Mr. Abhay Bharadwaj	Device Design Engineer	Frugal Labs Tech Solns. Pvt. Ltd., Bangalore.	23.03.16
6	Mr.V.R.Seenivasan	Addl. DSP	Tamilnadu Police Department, Dindigul.	19.03.16
7	Mr.Jegatheesh	Director	IMIK Technologies, Coimbatore.	19.02.16
8	Mr.KaushikSundaram	ProjectManager	Cloud Kinetics Technology Solutions (P) Ltd., Chennai	19.02.16
9	Mr.S.Syed	Technical Consultant	PerpetroTechnologies (Pvt) Ltd.,Chennai	12.02.16
10	Mr.G.Dinesh Kumar	Head – R&D	Innovative Dynamic Technologies,Coimbatore	05.02.16
11	Dr.P.Priaganth	Prof/CT	Kongu CET, Erode.	16.11.15-22.11.15
12	Dr. M. Suganthi	Prof/ECE	TCE, Madurai	16.11.15 -22.11.15
13	Mr.Venkatarangarajan	Head	India Development Centre Orzota Inc., Chennai	07.10.15
14	Mr.Tony Caleb	Executive Director	Infoziant Systems Pvt. Limited, Chennai	03.08.15
15	Mr.S.Alex Pandian	Director-Aademic	Innovative Dynamic Technologies,Coimbatore.	03.08.15
16	Mr. M. Kathiresh	Managing Director Relations	IMIK Technologies, Coimbatore	03.08.15
17	Mr.Uma Shankar	Head-Delivery	Cloud Kinetics Technology Solutions (P) Ltd, Chennai	25.02.15

18	Mr.Karthick	Chief Architect	Cloud Kinetics Technology Solutions (P) Ltd, Chennai	25.02.15
19	Dr.Gobinath Ganapathy	Director	Technology Park, Bharathidasan University, Trichy	11.02.15
20	Dr.Nicholas	Prof & Head	Dept. of Computer Applications,NIT,Trichy	11.02.15
21	Mr.R.Aravindan	Research Associate	Mobility Application Development, Launch pad Technology, CBE.	30.01.15
22	Mr. Vidhya Shankar	CEO	Cloud Kinetics Technology Solutions (P) Ltd, Chennai	14.11.14
23	Mr. Anil Kumar Pathak	System Engineer	Airbus defence & Space, Bangalore.	19.09.14
24	Mr.M.S.Jeyakrishnan	Director	Perpetro Technologies, Chennai.	04.04.14
25	Mr.S.Thiagarajan	Registrar	SETS, Chennai.	26.03.14
26	Mr.Balaji Venkatesh	Vice President	Information Security, Bank of America,Chennai	07.09.13
27	Mr.Rajendra Meena	Director	Technophelia Systems, Mumbai	03.09.13 -04.09.13
28	Dr. Dinesh Kumar Paliwal	Member Secretary	National Board of Accreditation,AICTE, New Delhi	22.02.12 24.02.12
29	Dr.Xavier	GlobalRecruiting Manager	HCL Technologies, Chennai	22.02.12- 24.02.12
30	Dr.Lakshmi Narashiman	Professor	East Carolina University, Greenvile, USA.	22.02.12- 24.02.12
31	Mr.Vinay	Application Developer	Google, Bangaluru.	11.04.13- 12.04.13
32	Dr. Balaji Srinivasan	Asso.Prof	IIT Madras	10.04.13
33	Dr.N.Sivaraman	Professor	Dept. of IT, TCE, MDU.	16.02.13
34	Mr.C.Vinoth	CEO	Classle Knowledge Pvt. Limited, Chennai	20.12.12
35	Mr.C.Vaniyarajan	Senior System Analyst	HCL Technologies, Chennai.	28.05.12- 08.06.12
36	Dr.R.S.Rajesh	Prof. and Head	Dept. of CSE, MS University, Thirunelveli	28.05.12- 08.06.12

25. Seminars/Conferences/Workshops organized & the source of funding

a) National

S.No.	Name of the Event	Period	Resource Person	Source of funding
1	AICTE Sponsored SDP on "ADHOC Networks and its Application"	28.05.12 to 08.06.12	1. Mr.C.Vaniyarajan Senior System Analyst, HCL Technologies,Chennai 2. Dr.R.S.Rajesh Prof. and Head-CSE, MS University 3. Dr.N.Balaji Prof. and Head-CSE, KLN CE., MDU	AICTE
2	CSI sponsored FDP on "Java Programming"	29.08.12 to 01.09.12	Ms. Jeevatharani Corporate Trainer, CTS, Chennai.	CSI
3	CSI sponsored two days workshop on "kernel level programming in linux"	08.10.12 & 09.10.12	Mr.S.Bhaskar CEO, Linux Xperts Limited, Chennai.	CSI
4	CSI sponsored Workshop on Technology Enhanced Learning (NPTEL)	20.12.12	Mr.C.Vinoth, Classle Knowledge Pvt. Limited,Chennai	CSI
5	ISTE sponsored workshop on "Do wonders using pointers in C Programming"	16.02.13	Dr.N.Sivaraman Head, Dept. of IT, TCE, Madurai.	ISTE
6	National Conference on "ACENET'13"	10.04.13	Dr. Balaji Srinivasan Associate Professor, IIT Madras	Self
7	CSI and Nurture Talent Academy sponsored two days workshop on Mobipreneur – Mobile Application Development	11.04.13 & 12.04.13	Mr.Vinay, Application Developer Google, Bangaluru.	CSI
8	Two days workshop on "Haptic Robotic Arm."	03.09.13 & 04.09.13	Mr.Rajendra Meena, Technophelia Systems, Mumbai	Self
9	ISTE Sponsored Seminar on" Awareness Programme on Professional Ethics"	06.09.13	Dr.T.Ravichandran AP, Gandhigram University, Dindigul	ISTE
10	ISTE Sponsored Seminar on" Enhancing Employability & Nation's Safety"	07.09.13	Mr.BalajiVenkatesh, Vice President, Information Security, Bank of America, Chennai	ISTE
11	CSI sponsored two days workshop on "Linux Operating System."	11.09.13 & 12.09.13	Mr.S.Baskar CEO, LinuXpert Systems, Chennai	CSI
12	Two days workshop on "Red-Hat Linux an open Source"	24.02.14	Mr.Vinoth, Susee Infn. Systems Pvt. Ltd.,MDU	Self
13	One day Seminar on " Information Security and Ethical Hacking"	26.03.14	Mr.S.Thiagarajan Registrar, SETS, Chennai.	Self

14	Pre-conference tutorial on " Android and its Applications" in the national conference (NGTCC'14)"	04.04.14	Mr. M.S.Jeyakrishnan PerpetroTechnologies, Chennai.	Technically Sponsored by CSI and IEEE
15	National Conference on NGTCC'14	05.04.14	Dr.N.Balaji Prof and Head, Dept. of IT, KLNCE, Madurai	Self
16	Two Days FDP on " Cloud Computing & Big Data"	06.08.14 & 07.08.14	Mr.G.Dinesh Head – R&D, Innovative Dynamic Technologies, CBE.	IDT-CBE
17	ISTE sponsored One Day Workshop on "Green Computing and its Challenges"	19.08.14	Dr.S.Sivagurunathan Asst. Prof., Dept. of CSA,GRI,Gandhigram	ISTE
18	Inauguration of the Computer Science and Engineering Association	19.09.14	Mr. Anil Kumar Pathak, System Engineer, Airbus defence & Space, Bangalore	Self
19	Managing and Delivering Projects in the IT Industry Way (Seminar)	14.11.14	Mr. Vidhya Shankar, Mr. Uma Shankar, Cloud Kinetics Technology Solutions (P) Ltd, Chennai	Self
20	One day Workshop on "Hackathon and Mobility"	30.01.15	Mr.R.Aravindan Research Associate – Mobility Appln. Development, Launch pad Technology, CBE.	Self
21	IE(I) sponsored one day seminar on " Intelligent Data Engineering"	11.02.15	Dr. Gobinath Ganapathy, Director, Technology Park, Bharathidasan University, Trichy. Dr.Nicholas Prof & Head, Dept. of CA, NIT, Trichy	IE
22	Two days workshop on "PHP – Web Development "	18.02.15 & 19.02.15	Mr.Karthikeyan Senior Engineer, PerpetroTehnologies (P) Ltd., Chennai	Self
23	Cloud Infrastructure Services –Installation and Training	25.02.15	Mr.Uma Shankar, Head-Delivery Cloud Kinetics Technology Solutions (P) Ltd, Chennai	Cloud Kinetics – Chennai
24	Two days workshop "Accelero-Botix- A hand Gesture controlled Robot"	27.02.15 & 28.02.15	M/s. Technophilia Systems,Mumbai.	Self
25	One day workshop on MATLAB	22.09.15	Dr.VE.Jayanthi, Prof and Head / BME PSNACET, Dindigul.	Self
26	Two days workshop on "Kernel level programming in Linux"	30.09.15 & 01.10.15	Mr.S.Baskaran CEO, LinuXpert Systems, Chennai.	Self
27	One day national seminar on Video Analytics for Realtime Event Detections	06.10.15	Dr.B.Yogameena ASP – ECE, TCE, Madurai.	Self

28	One Week FDTP on "Mobile Computing"	16.11.15 to 22.11.15	Dr. N.Balaji, Prof/IT, KLNCE, MDU Dr.P.Priaganth, Prof/CT, Kongu CET, Erode. Dr. M. Suganthi, Prof/ECE, TCE, MDU	Anna University, Chennai
29	One day training - An Eagle's view of " Big data Projects in Real World Applications"	05.02.16	Mr.G.DineshKumar, Head – R&D, Innovative Dynamic Technologies, CBE.	IDT-CBE
30	One day training - An Iceberg view of Android Marshmallow Projects in Mobile Applications	12.02.16	Mr.S.Syed TechnicalConsultant & Mr.S.Karthickkumar Senior Software Engineer, Perpetro Technologies (Pvt) Ltd.,Chennai.	Perpetro Technologies - Chennai.
31	One day training - Scintillating of 3rd wave Computing in Real Time Environment	19.02.16	Mr.Jegatheesh Director, IMIK Technologies, CBE. Mr.Gopalakrishnan Projcet Engineer, IMIK Technologies, CBE.	IMK- CBE
32	One day training - Cloud Infrastructure Services Installation and Training	19.02.16	Mr.KaushikSundaram Project Manager, Cloud Kinetics Technology Solutions (Pvt) Ltd., Chennai	Cloud Kinetics – Chennai
33	One day Technical Symposium – RAGNAROK 2016	19.03.16	Mr.V.R.Seenivasan Addl. DSP, Dindigul.	CSEA
34	DBT, New Delhi sponsored three days National Level Seminar on "Key Technologies and Intelligent Tools in Health care Applications over Internet of Things (IoT)	22.03.16 to 24.03.16	Dr.S.Muttan, Prof., Anna University, Chennai. Dr.Latha Paul Director, CF Hospital, Oddanchatram. Mr.P.Vignesh Raja Senior Engineer, C-DAC), Chennai. Mrs. Leena Devakumar,Director I2I Telesolution and Telemedicine, Bangalore. Abhay S Bharadwaj Device Design Engineer, Frugal Labs Tech Solutions Pvt. Ltd., Bangalore.	DBT

b) International

Sl. No.	Name of the Event	Period	Resource Person	Source of funding
1	International Conference on Computing, Communication and Applications (ICCCA'2012)	22.02.12 To 24.02.12	Dr. Dinesh Kumar Paliwal, Member Secretary, National Board of Accreditation, AICTE, New Delhi. Dr.Xavier Global Recruiting Manager, HCL Technologies, Chennai. Dr.LakshmiNarashiman, East Carolina University, Greenvile, USA.	Technically Sponsored by CSI and IEEE

26. Student profile programme / course wise:

Year	Name of the Course/ programme (refer question no. 4)	Applications received	Selected	Enrolled *M	*F	Percentage
2012-2013	B.E CSE	370	190	73	117	85.3
2013-2014	B.E CSE	387	208	71	137	79.11
2014-2015	B.E CSE	427	250	106	144	87.73
2015-2016	B.E CSE	416	236	103	133	-
2012-2013	M.E CSE	40	24	6	18	100
2013-2014	M.E CSE	40	25	5	20	100
2014-2015	M.E CSE	40	22	6	16	100
2015-2016	M.E CSE	40	17	3	14	-

*M=Male *F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG 2012-2013	99.47%	-	0.52%
UG2013-2014	96.63%	0.48%	2.88%
UG 2014-2015	98.4%	-	1.6%
UG 2015-2016	97.03%	0.423%	2.54%
PG 2012-2013	88%	12%	-
PG 2013-2014	92%	8%	-
PG 2014-2015	100%	-	-
PG 2015-2016	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET , SLET , GATE , Civil services , Defense services, etc.?

No. of students qualified	Name of the Competitive examination					
	GATE	GRE	TANCET	BANKING EXAMS	CIVIL SERVICES	DEFENSE SERVICES
2015-16	-	-	3	-	-	-
2014-15	-	2	2	3	1	-
2013-14	-	1	1	-	-	-
2012-13	1	-	-	-	-	1

29. Student progression

Student Progression	Year			
	2012-2013	2013-2014	2014-2015	2015-2016
UG to PG	8% (12)	9.5% (15)	4.7% (10)	-
Employed- Campus selection	62.7% (94)	46.8% (74)	69.8% (148)	81.1%
Employed-Other than campus recruitment	10% (15)	19.6% (31)	7.5% (16)	-
Total	121	120	174	172
Student progression in %	80.13% (out of 151)	75.95% (out of 158)	82% (out of 212)	81.13% (out of 212)

30. Details of Infrastructural facilities

a) Library

Department	Computer Science and Engineering
No. of Volumes Available	2632
No. of Titles Available	949

b) Internet facilities for Staff & Students   : 256 Mbps available for 24 X 7 hours

c) Class rooms with ICT Facility:

Rooms	No. of Rooms	Facilities Available
Lecture rooms	15	Class rooms equipped with LCD projectors
Tutorial	1	LCD Projector
Seminar Hall	1	Smart Board/ LCD projector

d) Laboratories

S. No.	Name of the laboratory	Area of the Lab	Practical's Conducted	List of major equipments
1	Software Development Lab	138 Sq. m.	Case Tools Lab Internet Programming Lab Computer Graphics Placement Computer network lab Operating system lab year Placement	HP-Elite 7100 MT - 60 Nos. Core I3 - 3.2GHz, 2 GB DDR-3 RAM, 320GB HDD, 18" HP TFT Monitor. HP DX 5150 MT – 03Nos. AMD Athlon 64 3200+ (2.0GHz), 1GB RAM, 80GB HDD, 52x CDD, 15" TFT Monitor

2	Distributed Systems Lab	174 Sq. m.	Open Source Lab	HP PRO 3330 MT - 88 Nos. Core i5 2400 Processor, 4GB RAM, 500 GB HDD, INTEL Chipset, 18.5" TFT Screen. IBM Server X3300 – 01 Nos. Intel Xeon E5-2403 - Quad Core (1.8GHz), 8GB RAM [1066 MHz], 2 X 500 GB HDD, 20" TFT monitor
			Data Structure Lab	
			DBMS Lab	
			Placement	
			Mobile application development lab-	
			Compiler Design Lab	
3	Software Simulation Lab (PG –ME Lab)	60 Sq. m.	ME - Network Lab	HP-Business Desktop Model 280 G1 Series - 25 nos. Intel Core i5 – 4590s Processor, Intel H81 Chipset Motherboard, 4GB DDR3 RAM, 500GB SATA HDD (7200 rpm), 18.5" TFT LED Display.
			ME - ADS Lab	
			ME - Project	
			ME - Advanced Database Lab	
			ME – AOS Lab	
			ME - PROJECT	
4	Cloud Kinetics powered Cloud Lab	25 Sq.m.	Industry related Projects in association with Cloud Kinetics Pvt. Ltd., Chennai	HP Business Desktop Model Prodesk 400 G2 MT – 12Nos. Intel Core I3 – 4130 Processor, Intel H81 Chipset Mother Board, 4GB DDR 3 RAM, 500 GB HDDrive – 7200rpm, 18.5 "TFT LED Display, Gigabit Ethernet Adapter Dell precision workstation T3400 – 02Nos Intel Core 2 quad 2.4GHz, 2GB RAM, 250GB HDD, 256 Graphics card, Dell 19" flat LCD, Dell USB keyboard & mouse HP DX 5150 MT – 05Nos. AMD Athlon 64 3200+ (2.0GHz), 1GB RAM, 80GB HDD, 52x CDD, 15" TFT monitor
5	Research Lab.	42 Sq.m.	Research and Development & Industry related Projects	HP Pro 3090 – 12Nos. Intel Core 2 Duo e7500, 2.93GHz, 2GB RAM, 320 GB HDD, Intel G43 Chipset, HP18.5" Screen HP DX 5150 MT – 08Nos. AMD Athlon 64 3200+ (2.0GHz), 1GB RAM, 80GB HDD, 52x CDD, 15" TFT monitor

31. Number of students receiving financial assistance from college, university, Government or other agencies.

Category	No of Students
SC/ST (State Government & Central Government)	283
MBC/BC/OBC	926

Year	No. of students receiving scholarship from			
	College	University	Government	Other agencies
2015-16	-	-	370	-
2014-15	30	-	331	-
2013-14	9	-	263	-
2012-13	1	-	245	-

32. Details on student enrichment programmes (special lectures /workshops / seminar) with external experts for 4 Years

S.No.	Name of the Event	Period	Resource Person	Source of funding
1	AICTE Sponsored SDP on "ADHOC Networks and its Application"	28.05.12 to 08.06.12	1. Mr.C.Vaniyarajan Senior System Analyst, HCL Technologies,Chennai 2. Dr.R.S.Rajesh Prof. and Head-CSE, MS University 3. Dr.N.Balaji Prof. and Head-CSE, KLN CE., MDU	AICTE
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6	National Conference on "ACENET'13"	10.04.13	Dr. Balaji Srinivasan Associate Professor, IIT Madras	Self
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8	Two days workshop on "Haptic Robotic Arm."	03.09.13 & 04.09.13	Mr.Rajendra Meena, Technophelia Systems, Mumbai	Self
9	ISTE Sponsored Seminar on" Awareness Programme on Professional Ethics"	06.09.13	Dr.T.Ravichandran AP, Gandhigram University, Dindigul	ISTE
10	ISTE Sponsored Seminar on" Enhancing Employability & Nation's Safety"	07.09.13	Mr.BalajiVenkatesh, Vice President, Information Security, Bank of America, Chennai	ISTE
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13	One day Seminar on " Information Security and Ethical Hacking"	26.03.14	Mr.S.Thiagarajan Registrar, SETS, Chennai.	Self
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18	Inauguration of the Computer Science and Engineering Association	19.09.14	Mr. Anil Kumar Pathak, System Engineer, Airbus defence & Space, Bangalore	Self
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25	One day workshop on MATLAB	22.09.15	Dr.VE.Jayanthi, Prof and Head / BME PSNACET, Dindigul.	Self
26	Two days workshop on "Kernel level programming in Linux"	30.09.15 & 01.10.15	Mr.S.Baskaran CEO, LinuXpert Systems, Chennai.	Self
27	One day national seminar on Video Analytics for Realtime Event Detections	06.10.15	Dr.B.Yogameena ASP – ECE, TCE, Madurai.	Self
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30	One day training - An Iceberg view of Android Marshmallow Projects in Mobile Applications	12.02.16	Mr.S.Syed TechnicalConsultant & Mr.S.Karthickkumar Senior Software Engineer, Perpetro Technologies (Pvt) Ltd.,Chennai.	Perpetro Technologies -Chennai.
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32	One day training - Cloud Infrastructure Services Installation and Training	19.02.16	Projcet Engineer, IMIK Technologies, CBE. Mr.KaushikSundaram Project Manager, Cloud Kinetics Technology Solutions (Pvt) Ltd., Chennai	Cloud Kinetics – Chennai
33	One day Technical Symposium – RAGNAROK 2016	19.03.16	Mr.V.R.Seenivasan Addl. DSP, Dindigul.	CSEA
34	DBT, New Delhi sponsored three days National Level Seminar on "Key Technologies and Intelligent Tools in Health care Applications over Internet of Things (IoT)	22.03.16 to 24.03.16	Dr.S.Muttan, Prof., Anna University, Chennai. Dr.Latha Paul Director, CF Hospital, Oddanchatram. Mr.P.Vignesh Raja Senior Engineer, C-DAC), Chennai. Mrs. Leena Devakumar,Director I2I Telesolution and Telemedicine, Bangalore. Abhay S Bharadwaj Device Design Engineer, Frugal Labs Tech Solutions Pvt. Ltd., Bangalore.	DBT

The following programmes are being conducted every year.
- Business English Certificate (BEC) Training and examination conducted by Cambridge University.
- C, C++, Java training.

33. Teaching methods adopted to improve student learning

Apart from traditional teaching methods the following innovative teaching methodologies are being practiced by our faculty members.

Sl. No	Name of Innovative teaching approaches
1	Edusat programme for Computer Science and Engineering
2	Video courses(NPTEL)
3	Mission 10x training
4	Videos, Online tutorials

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

	Blood donation camps	YRC	NSS	Rotract
No. of students	124	-	56	128

35. SWOC analysis of the department and Future plans

Strengths
- Commitment to Quality
- Well qualified experienced and dedicated faculty
- Commendable infrastructural facilities
- Industry powered laboratories
- Adequate and well equipped computer labs
- MoUs signed with Industries
- Very good Placement Record
- Good environment and free in inculcating the knowledge for students and faculty.
- Refresher courses are organized for faculty members in order to update the knowledge and subject matters.
- Air-conditioned seminar halls with fully equipped audio-visual devices.
- High success rate
- High speed internet (256 Mbps) facility for students & staff
- Well furnished class rooms
- Conducting value added courses

Weaknesses
- Communication skills among rural based students.
- Limited Consultancy works
- Lack of patent and funded projects
- Preparations for the employability of the students in product based companies.

Opportunities
- Placement in IT based companies through on campus/off campus.
- Projects internship and industry exposure in collaborative industries
- Participation in various intercollegiate competitions
- Preparation of the students for civil and defense service sectors.
- Knowledge up gradation of faculty members through FDP/STTP, Conferences, Seminars and Workshops
- Attract more International Students

Challenges
- Due to rapid changes in technologies and the industrial requirements that challenges the students to get employment
- Effort to be taken to bridge the gap between industry and academia
- To improve the research and development activities in contemporary areas
- To improve the number of students opting for entrepreneurship
- Providing communication training and technical training for the students with rural background

Future plans of the department
- Signing MOU with International companies to establish research labs
- To establish centre for excellence in Cloud Computing
- Improving students' performance through modern teaching& learning process
- To provide 100% placement

EVALUATIVE REPORT
DEPARTMENT OF INFORMATION TECHNOLOGY

1. **Name of the department :** Information Technology
2. **Year of Establishment :** 1999

   Establishment date need to be specified and provide the details about increased intake

Sl.No	Course Name	Year	Intake
1	UG : B.Tech.in Information Technology	29-06-1999	40 seats
		14-11-2000	60 seats
		22-06-2001	90 seats
		19-09-2005	120 seats
		01- 09-2011	180 seats
2	PG:M.E in Computer Science and Engineering(with specialization in Networking)	25-06-2004	18 seats

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

   B.Tech. - Information Technology

   M.E.   - Computer Science and Engineering(with specialization in Networking)

   Ph.D   - Information and communication Engineering

4. **Names of Interdisciplinary courses and the departments/units involved**

Sl.No.	Name of Interdisciplinary Course	Departments Involved
1	Probability and queuing theory	Maths
2	Environmental science	Chemistry
3	Theoretical foundation of computer science	Maths
4	Engineering Economics and financial accounting	`MBA

5. **Annual/ semester/choice based credit system (programmewise)**

   B.Tech. – Information Technology – Semester System

   M.E.   - Computer Science and Engineering(with specialization in Networking) – Semester System

   Ph.D   - Information and communication Engineering- Semester System

6. **Participation of the department in the courses offered by other departments**

Semester	Interdisciplinary Course	Departments Involved
III	Analog & Digital Communications	ECE
V	Wireless communication	ECE

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

   Nil

8. **Details of courses/programmes discontinued (if any) with reasons**

   Nil

9. Number of Teaching posts

	Sanctioned	Filled
Professors	4	4
Associate Professors	7	7
Asst.Professors	28	28

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.Vincent Antony Kumar. A	M.E.,Ph.D	Professor & Head	CSE	24.5	4
Dr.R. Venkatesh	M.E.,Ph.D	Professor	CSE	16.5	
Dr.GaneshKumar.P	M.E.,Ph.D	Professor	CSE	14.9	2
Dr.Pavalarajan. S	M.E.,Ph.D	Professor	CSE	14.3	
Mr.Muthumayil. K	M.E	Associate professor	CSE	14.3	
Mrs.Karuppathal. R	M.Tech	Associate professor	ECE	20.7	
Dr.Pushpalakshmi. R	M.E.,Ph.D	Associate professor	CSE	12.7	
Mr.M.Anandaraj	M.E	Associate professor	CSE	12.9	
Mr.Vijaya kumar. K.P	M.E	Associate professor	CSE	12.9	
Mr.Selvaraj. K	M.E	Associate professor	AE	12.11	
Dr. R. Bhaskaran	M.E.,Ph.D	Associate professor	CSE	12.10	
Mr.Senthilkumar.P	M.Tech	Assistant professor	CSE	10.6	
Ms.Sudha. R	M.E	Assistant professor	CSE	10.3	
Mrs.R.Sivakami	M.E	Assistant professor	CSE	12.4	
Dr.Jaiganesh. M	M.E.,Ph.D	Assistant professor	CSE	12.10	
Mr.Arunkumar. M	M.E	Assistant professor	CC	9.9	
Dr.Sabeetha. K	M.E.,Ph.D	Assistant professor	CSE	8.10	
Mr.Rajkumar K	M.E	Assistant professor	CSE	11.3	
Mrs.Nithya. S	M.E	Assistant professor	CSE	11.8	
Mr.G.Muthupandi	M.E	Assistant professor	C&C E	12.7	
Dr.N..Pandeeswari.	M.E.,Ph.D	Assistant professor	CSE	10.7	
Mrs.Parvathi. R	M.E	Assistant professor	CSE	9	
Mrs.A. Sangeetha	M.E	Assistant professor	CSE	8.9	
Mr.S. Saravanan	M.E	Assistant professor	CSE	7.5	
Mrs.J.K.Jeevitha	M.E	Assistant professor	CSE	6.1	
Mrs.B.Karthika	M.E	Assistant professor	CSE	5.4	

Mr.P.Sivakumar	M.E	Assistant professor	CC	5.0	
Mr.J.Jaganathan	M.Tech	Assistant professor	IT	4.3	
Mrs.Muneeshwari P	M.E	Assistant professor	CSE	10.0	
Mr.Chitty Babu M	M.E	Assistant professor	CSE	3.9	
Mr.Ashok Kumar C	M.Tech	Assistant professor	CSE	9.8	
MrsM.Karthihadevi	M.E	Assistant professor	C&C	4.1	
Ms.B.Mohana Nagalakshmi	M.E	Assistant professor	C&C	2.1	
Mrs.P.Pradeepa	M.E	Assistant professor	C&C	2.1	
Ms.N.Sasikala	M.Tech	Assistant professor	IT	6.1	
Mrs.Priyadharshini	M.E	Assistant professor	CSE	1.10	
Mrs.R.Aathilakshmi	M.Tech	Assistant professor	IT	2.7	
Mr.V.SakthivelMurugan	M.E	Assistant professor	CSE	4.7	
Ms.E. Devipriya	M.E	Assistant professor	CSE	4.7	

11. **List of senior visiting faculty -** NIL

12. **Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty**- NIL

13. **Student -Teacher Ratio (programme wise)**
Ratio may be provided for each program separately.
- B.Tech Information Technology :14:1
- M.E Computer Science and Engineering with Specialisation Networking:12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1.	Technical Asst.	4	4
2	Administrative	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty Members
Ph.D.	9
M.E.	30

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sl. No.	Name of the Project	Name of the Funding Agency	Name of the Project Investigator	National / International	Total Grant Received
1	A Ten Day training programme on "BIG DATA ANLYTICS"	Department of Science and Technology	Dr.A.Vincent Antony Kumar	National	Rs.6,00,000
2	Social Relevant Projects	IIT	Dr.A.Vincent Antony Kumar	National	Rs.3,00,000
3	Implementation of processing power calculator in adhoc network nodes to obtain overall energy consumption.(processing plus radio)	AICTE-RPS	Dr.P.Ganeshkumar Professor, Dr.A.Vincent Antony Kumar, Professor & Head	National	Rs.3,12,000
Total Grant Received					Rs.12,12,000

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sl. No.	Name of the Project/Grant	Name of the Funding Agency	Name of the Project Investigator	National / International	Total Grant Received
1	A Ten Day training programme on "BIG DATA ANLYTICS"	Department of Science and Technology	Dr.A.Vincent Antony Kumar	National	Rs.6,00,000
2	Social Relevant Projects	IIT	Dr.A.Vincent Antony Kumar	National	Rs.3,00,000
3	Implementation of processing power calculator in adhoc network nodes to obtain overall energy consumption.(processing plus radio)	AICTE-RPS	Dr.P.Ganeshkumar Professor, Dr.A.Vincent Antony Kumar, Professor & Head	National	Rs.3,12,000
4	FDTP on Network Progeramming Management	Anna University	Dr.P.Ganeshkumar	National	Rs.90,000
5	FDTP on Fundamentals of Pervasive Computing	Anna University	Dr.P.Ganeshkumar	National	Rs.70,000
6	Image Enhancement using opening by reconstruction Transformation	AICTE-RPS	Dr.A.Vincent Antony Kumar	National	Rs.4,60,000
7	Workshop on BIG DATA ANALYTICS	CSI	Dr.A.Vincent Antony Kumar	National	Rs.35,000
Total Grant Received					Rs.18,67,000

18. Research Centre /facility recognized by the University

The Department of Information Technology is recognized as Research Centre approved by Anna University, Chennai

19. Publications:

* a) Publication per faculty =Total No.of Publications/Total Number of Faculty=163/39= 4 Publications
* Number of papers published in peer reviewed journals (national /international) by faculty and students

Sl.No.	No. of Publications in National Journal	No. of Publications in International Journal	If any made by Students
1.	42	163	42

*Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Sl. No.	No. of Publications	Listed in
1.	31	Scopus
2.	11	Web of Science

*Monographs If any

   Nil
* Chapter in Books/ Books Edited Nil

*Books with ISBN/ISSN numbers with details of publishers

Sl.No.	Title of the Book	Publisher Name & Year	ISBN No.
1	Compiler Design	YES DEE Publication & 2015	9789380381428
2	Fundamentals of Pervasive Computing	SUNDEV FRONTIER PUBLICATION & 2012	978-81-9088837-6-4

* Citation Index, SNIP, SJR, Impact Factor,h-index:

S.No	Name of the Faculty	Citation Index	SNIP	SJR	h-Index	Cumulative Impact Factor	Publication in International Database
1	Dr A Vincent Antony kumar	97	13	6.4	9	12.11	WEB OF SCIENCE, SCOPUS, DBLB
2	Dr R Venkatesh	64	10	2.23	5	5.124	WEB OF SCIENCE, SCOPUS, DBLB
3	Dr P Ganeshkumar	51	11	2.584	4	8.613	WEB OF SCIENCE, SCOPUS, DBLB
4	Dr.S.Pavalarajan	32	7	2.31	3	3.24	WEB OF SCIENCE , SCOPUS,DBLB
5	Dr R Pushpalakshmi	28	-	-	4	2	SCOPUS, SCIE,DBLB
6	Mr.K.Muthumayil	4	-	-	2	-	SCOPUS,ISI,SCIE
7	Dr.R.Bhaskaran	12		-	3	-	SCOPUS,SCIE,ISI
8	Mr.K.P.Vijaykumar	10	-	-	2	-	SCOPUS,SCIE,ISI
9	Mr.K.Selvaraj	7	-	-	2	-	SCOPUS,SCIE,ISI
10	Mr.M.Anandaraj	10	-	-	2	-	SCOPUS,SCIE,ISI
11	Dr.K.Sabeetha	12	-	-	4	-	SCOPUS,SCIE,ISI
12	Mrs R Sivakami	-	-	0.34	-	1.677	SCOPUS,SCIE,ISI
13	Dr M Jaiganesh	17	14	14	3	2	SCOPUS,SCIE,ISI
14	Mr J Jegannathan	2	2	2	1	0.3	SCOPUS,SCIE,ISI
15	Dr N Pandeeswari	-	-	2.02	-	2.14	SCOPUS,SCIE,ISI
16	Mr V Sakthivelmurugan	-	0.435	0.163	-	-	SCOPUS,SCIE,ISI

20.Areas of consultancy and income generated

Sl.No	Consultancy	Income
1	Placement Software	Nil
2	Website creation for Department of IT	NIl

21. Faculty as members in Boards….
a) National committees b) International Committees c) Editorial

Faculty Name	Journal Name	Member in Board
Dr.R.Venkatesh	WSEAS Transactions on System and control	Reviewer
Dr.P.Ganeshkumar	KSII Transaction on Information system	Reviewer
Mr.K.P.Vijaykumar	KSII Transaction on Information system	Reviewer

22. Student projects
a) Percentage of students who have done in-house projects including interdepartmental/programme: 100%

Type of Project	No. of students	Academic Year
Inter departmental	-	2014-2015
In-house	163	
Inter departmental	-	2013-2014
In-house	146	
Inter departmental	-	2012-2013
In-house	120	
Inter departmental	-	2011-2012
In-house	132	

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

Type of Project	No. of students	Academic Year			
		2015	2014	2013	2012
Industry	6	1	1	4	-

23.Awards / Recognitions received by faculty and students

SL.no	Name of Student	Event	Venue	Date	Awards /position
1.	G.Aishwarya G.Aishwarya Gifthiya Mariam	MindKraft'2015 Project Fest	Karunya University, Coimbatore	17.10.2015	Third Prize
2.	Ajay Kumar	Google Competition	PSNACET	23-4-2016	Google Scholarship Award
3.	J.ArunKumar	Java Coding Test	I-Nautix Technology, Bangalore	2-6-2016	Cash AwardRs.18,000
4	L.S.Akashbabu	Linkedin	TCE,Madurai	4-11-2015	2nd Prize

5	P.Manikandan	Yugam	Kumaraguru CET	14-10-2015	3rd Prize
6	R M Sowmiya Laxmi	HELPS Energy Association, Producing Power from Moving Vehicle	PSNA CET, DGL	2-3-2016	FIRST PRIZE
7	M Soundharya	Quiz on BigData	TCE, Madurai	17-3-2016	Merit Certificate
8	I Syed Ali Shama	Quiz on BigData	TCE, Madurai	17-3-2016	Merit Certificate
9	K Thahira Sherin	Quiz on BigData	TCE, Madurai	17-3-2016	Merit Certificate

23. List of eminent academicians and scientists / visitors to the department

S.No	Name of Resource Person	Designation	Organization	Date of Visit
1.	Dr. Saragur M. Srinidhi	President	Advanced Computing & Communication Society, IISc, Banglore.	09.01.2015
2.	Mr.P.Vijay Kumar	Senior Engineer	C-DAC, Chennai	10.01.2015
3.	Mr.Peter Manoj	Project Associate	IISc, Banglore	11.01.2015
4.	Mrs.V.A.Prabha	Senior Engineer	C-DAC ,Chennai	04.09.2015
5.	Dr. C.Pandurangan	Professor	IITM,Chennai	24.01.2015
6.	Dr.Bharatwaja Kumar	Professor	VIT Univesity, Chennai	10-1-2015
7.	Mr. C.Rajarajan	Senior Consultant	Cognizant Technology Solutions Chennai.	02.03.2015
8.	Mr. M.Selvakumar	Project Leader – SCM.	IBM Pvt.,Ltd., Bangalore.	14.03.2015
9.	Dr.D.Janakiram	Professor	IITM,Chennai	18-5-2016
10.	Dr.RBV.Subramanyam	Professor	NIT,Warangal	20-5-2016
11.	Dr.B.Ramadoss	Professor	NIT,Trichy	20-5-2016
12.	Dr.Karthikeyan vaiyapur	R&D	TCS Innovation Lab,Chennai	21-5-2016
13.	Dr.T.Senthilkumar	Professor	Amritha University	21-5-2016
14.	Dr.N.Sairam	Professor	SASTRA University, Tanjavur	22-5-2016
15.	Dr.Sudheeskumar Kattumannil	Professor	Indian Statistical Institute, Chennai	22-5-2016

16.	Mr.K.Vijaykumar	Sr.Engineer	CDAC,Chennai	23-5-2016
17.	Dr.P.G.Babu	Professor	IGDNR,Mumbai	25-5-2016
18.	Dr.C.T.Vinu	Professor	IIM, Trichy	25-5-2016
19.	Dr.S.P.Syed Ibrahim	Professor	VIT University, Chennai	26-5-2016
20.	Dr.A.Vadivel	Professor	NIT,Trichy	26-5-2016
21.	Mr.Muralidharan Appukutty	Sr.Architect	CTS, Coimbatore	27-5-2016

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

S.No	Event	Period	Resource Person	Source of funding
1	Guest Lecture on "IOT Applications in Bigdata"	9-1-2015	Mr.Peter Manoj, Project Associate- Industrial Collaboration & Entrepreneurship, Centre for Nano Science and Engineering, IISc Bangalore	self
2	Advanced Computing & Communication Society (ACCS)	8-1-2015	Dr. Saragur M. Srinidhi, President, Advanced Computing & Communication Society ,India Institute of Science	self
3	BIG DATA ANALYTICS	8-1-2015& 9-1-2015	Dr.A.Vincent Antony Kumar	CSI
4	Cloud Computing Research Problems, Prosposing Issues, Mathematical model and solutions	12-9-2014	Dr.M.Jaiganesh	self
5	Big Data Model	26-9-2014	Dr.R.Venkatesh	self
6	R-Hadoop	30-10-2014	Dr.R.Bhaskaran	self
7	Foundation of Data Science	18-12-2014	Dr.A.Vincent Antony Kumar	self
8	Association Inauguration - Advanced Computing	8-1-2015	Dr.D.Janakiram Professor IITM,Chennai	self

9	DST Sponsored A ten day training programme on "Big Data Analytics"	18-5-2016 to 27-5-2016	Dr.RBV.Subramanyam ,Professor NIT,Warangal	Big Data Initiatives Division(BDI), Department of Science and Technology(DST)
			Dr.B.Ramadoss,Professor NIT,Trichy	
			Dr.Karthikeyan vaiyapuri,R&D TCS Innovation Lab,Chennai	
			Dr.T.Senthilkumar,Professor Amritha University	
			Dr.N.Sairam,Professor SASTRA University, Tanjavur	
			Dr.Sudheeskumar Kattumannil, Professor Indian Statistical Institute, Chennai	
			Mr.K.Vijaykumar, Sr.Engineer CDAC,Chennai	
			Dr.P.G.Babu,Professor IGDNR,Mumbai	
			Dr.C.T.Vinu, Professor IIM, Trichy	
			Dr.S.P.Syed Ibrahim, Professor VIT University, Chennai	
			Dr.A.Vadivel, Professor NIT,Trichy	
			Mr.Muralidharan Appukutty, Sr.Architect CTS, Coimbatore	

b) International

S.No	Event	Period	Resource Person	Source of funding
1	IEEE International Conference on Computing, Communication and Applications (ICCCA-12) was held from 22-2-2012 to 24-2-2012 Eminent Personalities	22-2-2012 to 24-2-2012.	Dr. Subramaniam Ganesan, Oakland University, Rochester, USA Dr. Lakshmi Narasimhan, Carnegie Mellon University, USA	IEEE Transactions And PSNACET

26. **Student profile programme/course wise:**

Year	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M	*F	Pass percentage
2015-16		643	189	85	105	84.3%
2014-15	B.Tech Information Technology	534	168	79	89	85.1%
2013-14		487	147	70	77	80.02%
2012-13		398	124	61	63	86%

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG-	100%	-	-
PG	100%	-	-

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?**

	Name of the Competitive examination			
	GATE	GRE	TANCET	BANKING EXAMS
No. of students qualified	1	-	5	-

29. Student progression

Student progression	Against % enrolled
UG to PG	4%
PG to Ph.D.	2%
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	81%
Entrepreneurship/Self-employment	3%

30. **Details of Infrastructural facilities a) Library**

Department	Information Technology
No.of Volumes Available	168
No.of Titles Available	126

b) Internet facilities for Staff & Students
    256 Mbps with Wifi Connection

c) Class rooms with ICT Facility

Rooms	No. of rooms	Facilities Available
Lecture rooms	10	Black board, LCD, LCD screen, Notice board
Tutorial Rooms	3	Black board, LCD, LCD screen, Notice board
Seminar Hall	1	PC, Internet, Wi-Fi, Printer, Intercom, LCD, LCD Screen , interactive board (smart class) and 100-individual seats

d) Laboratories

S.No	Name of the laboratory	Area of the Lab	Practical's Conducted	list of major equipments
1	Software Components Laboratory	173Sq.M/80	Software Development Laboratory, Data Structures Laboratory, Operating Systems Laboratory,Database Management Systems Laboratory, Object Oriented Programming Laboratory, Digital Signal Processing Laboratory	Intel Core i5 processor 4GB DDR – 2 RAM 500 GB SATA Hard Disk KBD & Optical Mouse
2	Programming Laboratory	173Sq.M/ 70	CASE Tools Laboratory, Middleware Technologies Laboratory, Programming Lab, Visual Programming Laboratory, Network Laboratory, Network Programming Laboratory, Communication and Soft Skills Laboratory	IBM SERVER X3300M4 Intel Xeon E5 -2403 (quad Core) @ 108 Ghz 10 mb Cache 1066 MHz RAM, 2x500 gb hot swap SATA Hard Disk, 20" Lenova TFT Moniotor,DVD Sriter keyboard and optical mouse
3	PG Laboratory	42 Sq.M/24	Database Management Lab,Computer & Communication Laboratory, Data Structures Lab, Web Programming Lab and Projects	Intel Core i5 processor 4GB DDR – 2 RAM 500 GB SATA Hard Disk KBD & Optical Mouse

4	Research & Development Laboratory	42 Sq.M/24	Research Projects	Intel Core i5 processor 4GB DDR – 2 RAM 500 GB SATA Hard Disk KBD & Optical Mouse Lenova 21' TFT LCD Monitor
5	Electronic Devices And Circuits Laboratory	161Sq.M/60	Digital Laboratory, Electronic devices & circuits lab, Microprocessor lab	-

31. Number of students receiving financial assistance from college, university, government or other agencies

2015-2016		2014-2015		2013-2014		2012-2013	
BC/MBC /OBC	SC/ST/ SCC	BC/MBC /OBC	SC/ST/ SCC	BC/MBC /OBC	SC/ST/ SCC	BC/MBC /OBC	SC/ST/ SCC
208	47	229	54	199	53	179	48

Year	No. of students receiving scholarship from			
	College	University	Government	Other agencies
2015-16	-	-	255	-
2014-15	-	-	283	-
2013-14	-	-	252	-
2012-13	-	-	227	-

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts FOR 4 YEARS

S.No	Event	Period	Resource Person
1	German Language	19.01.2013	Mr.K.S.A.Gnanasekaran, German Tutor, Tuticorin
2	TCS Specific	05.10.2013 to 06.10.2013	M/s. APT Training Resources, Chennai
3	Infosys Specific	09.11.2013	M/s. APT Training Resources, Chennai
4	Aptitude Skills	23.06.2014 to 25.06.2014	M/s. Apt Training Resources, Chennai
5	AMCAT Pattern & Placement Training	26.06.2014 to 30.06.2014	M/s. FACE, Coimbatore
6	CTS Specific Training	27.08.2014 to 30.08.2014	M/s. FACE, Coimbatore
7	Wipro Specific Training	10.09.2014 to 11.09.2014	M/s. Smart Training Resources, Chennai
8	Infosys Specific Training	08.01.2015 to 10.01.2015	M/s. LIFE, Chennai

33. Teaching methods adopted to improve student learning:
     e-learning (QEEE, IITMadras),edusat and Research seminar

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl.No	No. of students participated	Blood donation camps	YRC	NSS	ROTRACT	Pollution awareness programs	Free Eye Camps	Flood victim relief measure
1	110	13	16	---	30	22	14	15

35. SWOC analysis of the department and Future plans

Strengths
- Physical Resources: Includes its own separate block with thirteen highly-equipped class rooms, four well-furnished laboratories, department library, seminar hall, staff rooms with separations, cool water facilities and modern sanitary facilities
- Human resources: Includes its head of the department, 37 numbers of faculty members and 5 numbers of non-teaching staff members. Present student strength of the department is five hundred and thirty six (536).

Learning Resources
- All class rooms are technology-enables and consist of computer, LCD over head projector, OHP projector and blackboard.
- Seminar hall consists of computer, LCD over head projector, audio/video equipment and smart board.
- Library consists of plenty of reference and text book, periodic journals and news papers, separate reading facilities for students and faculty members.
- All laboratories are with essential hardware and software infrastructure of latest versions and also with internet facilities.

Other Strengths
- Credentials of the faculty in terms of research, Ph.D. degrees and Presentation Skills.
- Students achieving university ranks.
- Intensive advising
- High demand for admission
- Google community club

Weaknesses
- State level funding and AICTE/UGC funding in the department has to be focused.

Opportunities
- Intellectual and career development of graduate students.
- A specialized research center by the department.
- Workshops, Seminars, Industrial Training Programs in association with industry.
- Promoting and supporting faculty involvement in all aspects of IT research and development
- Increased opportunities to hone students' leadership skills both through project-based learning and strengthened student organizations.

- An Open Learning programme which increases accessibility to learning and connection to one another.
- Interdepartmental collaboration.

Challenges
- Increased competition for students to get employed.

Future Plan

The future plans and new vision for our department

Our objective that needs to be Specific, Measurable, Assignable, Realistic, and Time-related – they need to be SMART.

- 100% placement for our Department students.
- Seek funding grants.
- Promote training grants.
- Educate non-engineers about the critical interaction between technology and society.
- Enhanced project planning alignment with companies.
- Form alliances with internationally renowned universities around the world. We need to expand on existing collaborative relationships established by our faculty with academic institutions in other countries.
- Create new opportunities for our students to study abroad.
- Encourage research partnerships between our faculty and those abroad.
- Create awareness among the society on various social issues and organizing National level Seminars

EVALUATIVE REPORT
DEPARTMENT OF BIOMEDICAL ENGINEERING

1. **Name of the department :** Biomedical Engineering

2. **Year of Establishment :**
   The department was established in the year 2006.

Sl.No.	Year	Intake
1	2006	60

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**
   UG: B.E. in Biomedical Engineering

4. **Names of Interdisciplinary courses and the departments/units involved**

SI.No	Name of Interdisciplinary Course	Departments Involved
1	Object Oriented Programming and Data Structures, Computer Network	Computer Science Engineering
2	Basic Electrical Engineering	Electrical and Electronics Engineering
3	Transforms and Partial Differential Equations, Probability and Random Processes	Science & Humanities

5. **Annual/ semester/choice based credit system (programme wise)**
   B.E. – Department of Biomedical Engineering – Semester System.

6. **Participation of the department in the courses offered by other departments -** NIL

7. **Courses in collaboration with other universities, industries, foreign institutions,etc**.-NIL

8. **Details of courses/programmes discontinued (if any) with reasons –** NIL

9. **Number of teaching posts**

SI.No	Sanctioned	Filled
Professors	01	01
Associate Professors	02	01
Asst. Professors	09	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name of the Faculty	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students guided for the last 4years
Dr. VE. Jayanthi	Ph.D	Professor and Head I/C	Information and Communication Engineering	16	Nil
Mr.P. Sasikumar	M.Phil	Associate Professor	Micro Biology	20	Nil
Mr.S. Sriram	M.Tech., (Ph.D)	Assistant Professor	Biomedical Signal Processing &Instrumentation	11	Nil
Mrs.P. Sutha	M.E., (Ph.D)	Assistant Professor	Applied Electronics	10	Nil
Mr.P. Mohankumar	M.E	Assistant Professor	Medical Electronics	7	Nil
Mrs.S. Prema	M.Phil., (Ph.D)	Assistant Professor	Biotechnology	11	Nil
Mr.S. Balasubramanian	M.Tech	Assistant Professor	BioInformatics	5	Nil
Mrs.B.Subha	M.E	Assistant Professor	Applied Electronics	5	Nil
Mrs.V.Janani	M.Tech	Assistant Professor	Control & Instrumentation	3	Nil
Mr.K.Pradeep	M. Tech	Assistant Professor	Biomedical Engineering	4	Nil
Ms.B.Parvathy Dileep	M.E	Assistant Professor	Biomedical Engineering	Nil	Nil
Ms.A.Vanitha	M.E	Assistant Professor	Medical Electronics	1	Nil

11. List of senior visiting faculty - NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty - NIL

13. Student -Teacher Ratio (programme wise)
    For UG: B.E in Biomedical Engineering - 15:1

14. Number of academic support staff (technical) and administrative staff;Sanctioned and filled

Sl. No.	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1	Academic support staff (technical)	As per norms	02
2	Attender	As per norms	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty Members
Ph.D.	01
M.E.	05
M. Tech	04
M Phil	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received-NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sl.No	Name of the Project	Name of the Funding Agency	Name of the Project Investigator	Total Grant Received
1	EEG signal processing algorithm for Cognitive Status Processing	DRDO	Dr.J.Saravanakumar (Co-PI)	8.91 lakhs
2	STTP-Soft computing Techniques for clinical decision making	ISTE-SRM	Dr. K.Bommana Raja & Mr.J.Vijay	1 lakhs

18. Research Centre /facility recognized by the University: NIL

19. Publications:

a) Publication per faculty 54\11=4.91

Sl.No	Name of the Faculty	Total No. of Publications
1	Dr.V.E.Jeyanthi	13
2	Mr.P.Sasikumar	06
3	Mr.S.Sriram	02
4	Mrs.P.Sutha	06
5	Mr.P.Mohankumar	05
6	Mrs.S.Prema	03
7	Mr.S.Balasubramanian	02
8	Mrs.T.Ayesha Rumana	04
9	Mrs.B.Subha	05
10	Mrs.M.Smitha	05
11	Mrs.V.Janani	03

b) Number of papers published in peer reviewed journals (national /international) by faculty and students

Sl.No.	No. of Publications in National Journal	No. of Publications in International Journal	If any made by Students
1	10	44	04

c) **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**

Sl. No.	No. of Publications	Listed in
1	08	Scopus
2	46	Google Scholar

*Monographs: Nil

∗Chapter in Books/ Books Edited: Nil

∗Books with ISBN/ISSN numbers with details of publishers:

Sl.No.	Title of the Book	Publisher Name & Year	ISBN No.
1	Basic Electrical and Electronics	Sri krishna hitech publications-2010	978-81-8371-264-4
2	Electric circuit and electron devices	Sri krishna hitech publications-2010	978-81-909491-6-3

Sl.No	Name of the Faculty	Citation Index	SNIP	SJR	Impact factor	h-index
1	Dr.VE.Jayanthi	17	-	0.26	1.7	3
2	Mr.P.Sasikumar		-	0.34		
3	Mrs.M.Smitha					1

20. Areas of consultancy and income generated

Sl.No.	Area of Consultancy	Income Generated
1	Microbiology (Dindigul Tannery Association)	Nil
2	FPGA &VLSI Signal Processing	Nil
3	Biomedical signal Acquisition	Nil

21. Faculty as members in
a)National committees b) International Committees c) Editorial Boards….

SL. No.	Name of the Faculty	National/International/Editorial Board member
1	Dr.VE.Jayanthi	International Journal of Electrical, Electronics & Communication Engineering(Editor)
2	Dr.VE.Jayanthi	Journal of Computer Methods and Programs in Biomedicine (Reviewer)
3	Dr.K.Bommanaraja	International Journal on System Design & Information Processing(Editor-in-chief)

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

Type of Project	No. of students	Academic Year
Inter departmental	Nil	2015-16
	Nil	2014-15
	Nil	2013-14
	Nil	2012-13
In-house	60	2015-16
	50	2014-15
	63	2013-14
	61	2012-13

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies
Please provide the details about internships thro placement here for last 4 academic years-Nil

23. Awards / Recognitions received by faculty and students
    * Secured any one of the first three university ranks since inception every year.

Sl.no	Name of the student	Event	Venue	date	Awards/position
1	Niveythitha A	Symposium	PSNA College of Engineering and Technology, Dindigul	01.10.2015	First prize
2	V.Vennila	Symposium	P.S.R. Engineering College, Sivakasi	19.09.2014	I prize (Paper presentation)
3	B.Preethika	Symposium	P.S.R. Engineering College, Sivakasi	19.09.2014	I prize (Paper presentation)
4	Katheeja Fathima Faluliya N	Symposium	Chettinadu College Of Engineering, Karur	14-15	III prize (Paper presentation)
5	R.Siva Samraj	Sports (Weight Lifting)	Dindigul District Weight Lifting Championship	08.02.2015	III place
6	K.Pramila	Sports (Table Tennis)	TIES -2015	29.01.2015-12.2.2015	III place
7	Neethu Thankachan	Conference	Kamaraj College of Engineering & Technology	06.03.2014-07.03.2014	III prize (Paper presentation)

8	J.Agnes Aruna	Conference	Kamaraj College of Engineering & Technology	06.03.2014-07.03.2014	III prize (Paper presentation)
9	S.Aruna Priyadharshni	Conference	Kamaraj College of Engineering & Technology	06.03.2014-07.03.2014	III prize (Paper presentation)
10	P.B.Aparna	Conference	Kamaraj College of Engineering & Technology	06.03.2014-07.03.2014	III prize (Paper presentation)
11	A.Kruthika	Conference	Kamaraj College of Engineering & Technology	06.03.2014-07.03.2014	I prize (Best paper Award)
12	A.Ninosca Princy	Conference	Kamaraj College of Engineering & Technology	06.03.2014-07.03.2014	I prize (Best paper Award)
13	Shruthi Dhanaraj	Conference	Kamaraj College of Engineering & Technology	06.03.2014-07.03.2014	I prize (Best paper Award)
14	R.A.Kalimuthu Kalamegam	Conference	P.S.R. Engineering College, Sivakasi	20.03.2014-21.03.2014	I prize (Best paper Award)
15	Bijitha Sundar	Conference	Udhaya School of Engineering, Kanyakumari	14.03.2014	II prize (Paper presentation)
16	Navya Liss Saju	Conference	Udhaya School of Engineering, Kanyakumari	14.03.2014	II prize (Paper 29presentation)
17	J.Steffi Lincy	Sports (Athletics-1500mts)	Anna University Zonal Athletic Meet 2013-14	21.09.2013-22.09.2013	30III place
18	J.Steffi Lincy	Sports (Athletics-4*400mts)	Anna University Zonal Athletic Meet 2013-14	21.09.2013-22.09.2013	III place
19	S.Nagaraj	Sports (Cricket)	Anna University Zonal Tournaments 2013-14	02.09.2013-08.09.2013	Winner
20	S.Nagaraj	Sports (Kho-Kho)	Anna University Zonal Tournaments 2013-14	16.10.2012-17.10.2012	Winner

21	S.Saranya	Symposium	Dhanalakshmi Srinivasan Engg College	21.09.2012	I prize in Poster
22	B.Logeswari	Symposium	Dhanalakshmi Srinivasan Engg College	21.09.2012	I prize in Poster
23	R.A.Kalimuthu Kalamegam	Symposium	Sri Krishna Institute of Technology, Coimbatore	15.03.2013	III place in Project Presentation
24	R.Santhosh Kumar	Symposium	Sri Krishna Institute of Technology, Coimbatore	15.03.2013	II place in Project Presentation
25	Thejas Mohan	Symposium	Sri Krishna Institute of Technology, Coimbatore	15.03.2013	II place in Project Presentation
26	R.A.Kalimuthu Kalamegam	Symposium	Shree Motilal kanhaiyalal Fomra Institute of Technology, Chennai	16.03.2013	I Place in Project presentation
27	Thejas Mohan	Symposium	Shree Motilal kanhaiyalal Fomra Institute of Technology, Chennai	16.03.2013	I Place in Project presentation
28	R.Santhosh Kumar	Symposium	Shree Motilal kanhaiyalal Fomra Institute of Technology, Chennai	16.03.2013	I Place in Project presentation
29	A.Kruthika	Sports(Ball Badminton)	Inter-Zonal Tournaments 2012-13	12.10.2012-14.10.2012	III Place
30	S.Kirithiga	Sports(Ball Badminton)	Zonal Tournaments 2012-13	12.10.2012-14.10.2012	Runner

*Awards / Recognitions received by faculty

SI.	Name of Faculty	Event	Venue	Year	Awards
1	Dr.VE.Jayanthi	ICACCPC'16	Christian College of Engg.,& Tech., Oddanchatram	16.03.2016	Judging Panel Member
2	Mrs.P.Sutha	Guest Lecture on Special Antennas and Antenna Measurement	SCAD Engineering Cheranmahadevi, Tirunelveli	30.03.2015	Resource person
3	Dr.K.Bommana Raja	Workshop on Research Perspectives in Biomedical Signal and Image processing	Regional Center, Anna University, Tirunelveli	05.03.2014	ResourcePerson
4	Dr.K.Bommana Raja	FDP on Advances in medical Imaging Using Computational Intelligence	Knowledge Institute of Technology	26.08.2013	Chief Guest & Resource Person
5	Dr.K.Bommana Raja	National Conference on Recent Trends In Engineering & Technology	KSR Institute For Engineering & Technology, Tiruchengode	06.04.2013	Technical Committee Member
6	Dr.K.Bommana Raja	IEEE International Conference-ETCCN'13	InfantJesus ollege of Engg.,&Tec.,	25.03.2013	Conf-Chair and Keynote speaker
7	Dr.K.Bommana Raja	National Science Day Celebration	Christian College of Engg.,&Tec., Oddanchatram	28.02.2013	Chief Guest

24. List of eminent academicians and scientists / visitors to the department

SI. No.	Name of Resource Person	Designation	Organization	Date of Visit
1.	Mr. R. Niranjan Kumar	CEO	Invest2caretechnologi, Chennai	30/08/2013
2.	Mr.V.Praghadheeswaran	Director	Aries Biomed Technology	20/03/2013
3.	Mr.Sanjeev Kubakaddi	Director	ITIE Knowledge Solutions	20/03/2013
4.	Dr.V.N.Mani	Scientist	Centre for materials for Electronics technology(C-MET)	22/03/2013
5.	Dr.M.MukundaRao	Professor	MSRIT, Bangalore	22/03/2013
6.	Dr.D.Sriram Kumar	Assoc.Prof	Dept of ECE,NITT	06/04/2013

7.	Dr.V.Ramamurthy	Professor	PSG college of Technology Coimbatore	06/04/2013
8.	Dr.Mallikarjun Holi	Prof&Head	BME Dept, Bapuji Institute of Technology, Bangalore	22/03/2013
9.	SP.Ramanathan	Director	Enixs Technology,Bangalore	10/01/2014
10.	P.Suganeswaran	Director	Zealtech,Coimbatore	04/03/2014
11.	Mr. Satish Jadhav	Director	Biokit,Mumbai	4/03/2014
12.	Ajish Abraham	Prof&Head	All India Institute of Speech and Hearing, Mysore	2/03/2014
13.	Dr.D.Devakumar	Professor	CMC,VELLORE	11/07/2014
14.	Dr.S.Mohamed Yasin	Prof&Head	Dept of BME, Rajalakshmi Engg.College, Cnennai.	11/07/2014
15.	Dr.M.J.Rajesh	Director	Center for crop& Food Bioprocessing, Ambo university, Ethiopia	04/08/2015
16.	Mr. L.Ramesh	Director	GBR Clinical & FertilityCenter, Chennai	10/7/2015
17.	Dr.Mrs.P.Shanmugha vadivu	Prof&Head	Dept of computers & Applications, Gandhigram rural University	01/10/2015
18.	Mr.Elango Devy	Managing Director	Diabetik Foot care Inadia Pvt.Ltd.,	23/02/2016
19.	Dr.Gopi saminathan	Prof&Head	Dept of ECE, SSMIET, Dindigul	23/02/2016
20.	Mr.Lijo JacobVarghese	Asst. Professor	EEE Dept, Christian College of Engg & Tech, Oddanchatram	23/02/2016
21.	Dr.P.Ponmurugan	Prof & Head	BioTechnology Dept.,K.S.R College of Engg., & Tech., Tiruchengode	24/02/2016
22.	Dr. Frehiwot	Head	Center for Biomedical Engineering, Addis Ababa University, Ethiopia	02.06.2016
23.	Dr. Esayas	Director	Jimma University, Ethiopia (Deputy Scientific Director)	02.06.2016
24.	Dr. Gethachew	Head	Tegbareit Institute, Ethiopia	02.06.2016
25.	Ms. Kidest	Director	Twinning Center, Ethiopia	02.06.2016
26.	Dr. Rajesh	CEO	RASA Management & Recruitment Consultancy Private Limited, Chennai	02.06.2016

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

SI. No	Event	Period	Resource Person	Source of funding
1.	Conference - Fourth National Conference on System Design & Information Processing SDIP2013	22/03/2013	Mr. Ajish Abraham & Mr. R. Niranjan Kumar	IETE, IEEE, CSI, National Instruments & Classle.
2.	One day Guest Lecture on " Recent Trends in Biomedical Engineering	30/08/ 2013	Mr.R.Niranjan Kumar, CEO	Invest2care technologies, Chennai
3.	Biomedical Equipment Maintenance & Calibration Procedures	23 to 24/01/2014	Mr.V.Praghadheeswaran	Aries Biomed Technology, Coimbatore
4.	One day Training programme on Real Time Data Acquisition and Processing using FPGA	10/01/2014	SP.Ramanathan	Enixs Technologies, Bangalore and IEEE madras section
5.	Wipro Mission 10X Faculty empowerment Programme	24/02/2014	Mr.P. Veerendra, Wipro, Chennai	Wipro Technologies, Bangalore
6.	Workshop - Biomedical signal & Image processing using MATLAB	29 to 31/08/2013	S. MaheshAnand	Scientific Computing Solutions, Chennai
7.	Conference – Fifth National conference on SDIP	20 to 21/03/14	Dr. V.N. Mani & Dr. Mandaveli Muguntha Rao	CPC diagnostics, EnixsTechnologies, ISTE & IEEE (Madras)
8.	Workshop - Equipment maintenance & calibration procedures	23 to 24/01/2014	Mr.V. Pragadeeswaran	Aries Biomed Technology- Coimbatore
9.	Workshop- FPGA programming for the masses using Verilog & VHDL	17 to 18/08/2015	Mr. Jesuraj, Dr.Revathi	PSNACET
10.	Workshop- MATLAB Software training	15/08/2015	Dr.VE.Jayanthi, Mrs.M.Smitha	PSNACET

11.	Seminar-Advancements in the Biomedical Equipment	10/07/2015	Mr. L.Ramesh	PSNACET
12.	Symposium-MEDERA 2015 – National Level Technical Symposium	01/10/2015	Dr.Mrs.P.Shanmugha vadivu	PSNACET
13.	Seminar-Entrepreneurship Awareness Programme	27/04/2016	MR. Anand Kumar	DST sponsored
14.	Symposium-MEDUT 2K16 A National Level Technical	23 to 24/02/2016	Mr.Elango Devy, Dr.P.Ponmurugan Dr.Gopi saminathan Mr.LijoJacobVarghese	EMB IEEE EMBS Chapter Activities Funding Program

b) International: NIL

26. Student profile programme/course wise:

Year	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2015-16	B.E. - Biomedical Engineering	65	64	24	40	98.5
2014-15	B.E. - Biomedical Engineering	71	69	21	48	97.2
2013-14	B.E. - Biomedical Engineering	70	59	15	44	84.3
2012-13	B.E. - Biomedical Engineering	64	60	25	35	93.8

*M = Male   *F = Female

27. Diversity of Students

Name of the Course Biomedical Engineering	% of students from the same state	% of students from other states	% of students from abroad
2015-16	98.4 (63)	2 (01)	NIL
2014-15	98.6 (68)	1 (01)	NIL
2013-14	98.3 (58)	2 (01)	NIL
2012-13	95 (60)	5 (03)	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	Name of the Competitive examination		
	GATE	GRE	TANCET
No. of students qualified			
2015-16	-	-	1
2014-15	1	1	3
2013-14	1	-	2
2012-13	-	-	2

29. Student progression

Student progression	2015-16	2014-15	2013-14	2012-13	2011-12
UG to PG	NA	6	11	8	2
Employed • Campus selection • Other than campus recruitment	48 01	10 13	10 18	12 8	13 5

30. Details of Infrastructural Facilities

a) Library

The Department also maintains a separate library apart from general library. Totally 116 titles and 140 Volumes are kept in the department library.

b) Internet facilities for Staff & Students

The Department has 90 systems with 24 hours internet facility of 256 mbps

c) Class rooms with ICT Facility

Rooms	No. of rooms	Facilities Available
Lecture rooms	04	LCD Projector/Projector Screen
Tutorial Rooms	01	
Seminar Hall	01	

d) Laboratories

SI. No.	Name of the laboratory	Area of the Lab	Practical's Conducted	List of major equipments
1.	Diagnostic and Therapeutic Equipment Lab	180.7 sq.m	Simulation of ECG – detection of QRS complex and heart rate, Study of shortwave and ultrasonic diathermy, Electrical safety measurements, Measurement of Respiratory parameters using spirometry, Study of medical stimulator, Study of ESU – cutting and coagulation modes, Recording of Audiogram	Ultrasound Blood Flow Monitor Ultrasonic Diathermy Unit Shortwave Diathermy Unit Patient Simulator EEG Simulator DC Defibrillator simulator & System
2.	Medical Electronics Lab	180.7 sq.m.	Study of logic gates, Half adder and Full adder, Encoder and BCD to 7 segment decoder ,Multiplexer and demultiplexer using digital ICs ,Universal shift register using flip flops, Design of mod-N counter Inverting, non-inverting amplifier and comparator, Integrator and Differentiator, Current to Voltage	DSOs , CROs,Function Generators,Power supplies Multimeters,LCR meters Digital IC Trainer ,Microprocessor and Microcontroller

			convertor and Instrumentation amplifier using IC741, Wein bridge oscillator, ,Multivibrator using IC555 Timer, Arithmetic and Logical operation, Stepper motor control, Traffic light control using 8086	
3.	Physiological Data Acquisition and Research Lab	91.0 sq.m.	Signal & Image Processing VLSI Signal Processing	Biosignal Data acquisition using LABVIEW, Bio signal and Image Processing using MATLAB and Embedded programming using FPGA tools from ALTERA.
4.	Biochemistry and Microbiology Lab	170sq.m.	General tests for carbohydrates, proteins and lipids, Preparation of serum and plasma from blood, Estimation of blood glucose, Estimation of urea, Estimation of cholesterol, Assay of SGOT/SGPT, Separation of proteins by SDS electrophoresis, Separation of amino acids by thin layer chromatography, Separation of DNA by agarose gel electrophoresis, ESR , PCV, MCH , MCV ,MCHC , total count of RBCs and hemoglobin estimation	Motic Autoclave, Binocular Microscope ,Incubator – DIGITAL Super deluxe Hot Air Oven- DIGITAL Super deluxe, Digital Electronic Balance , VISIBLE - Spectrophotometer Research Centrifuge, Laminar Air flow – Vertical Laminar Air flow – Horizontal
5.	Bio signal and Medical Image Processing Lab	167 sq.m.	Signal Processing	TMS320vc5416 based DSP Trainer Kit (Model VSK 5416), Computer, Printer, LCD, TV.

31. Number of students receiving financial assistance from college, university, government or other agencies

Category	No of Students			
	2012-13	2013-14	2014-15	2015-16
SC/ST/SCC	21	19	22	27
BC/MBC/OBC	59	53	55	64

Year	No. of students receiving scholarship from			
	College	University	Government	Other agencies
2015-16	01	-	-	-
2014-15	01	-	-	-
2013-14	01	-	-	-
2012-13	01	-	-	-

32. Details on student enrichment programmes (special lectures/workshops /seminar) with external experts

S.No	Event	Period	Resource Person
1.	Guest lecture on Recent trends in biomedical engineering	30.8.13	Mr.R.Niranjan Kumar, Invest2caretechnologies, Chennai
2.	Workshop - Equipment maintenance and calibration procedures	23.1.14-24.1.14	Mr. V. Praghadheeswaran, Aries Biomed Technology, Coimbatore
3.	Workshop - Biomedical signal and image processing using MATLAB	29.8.13-31.8.13	Mr. S. Mahesh Anand Scientic Computing Solutions , Chennai
4.	Workshop on - Real time data acquisition and processing using FPGA	10.1.14	S.P. Ramanathan, Enixs Technologies, Bangalore
5.	Workshop on NI Multisim and MYDAQ	12.08.14	NI Instruments
6.	STTP on "Soft Computing Techniques for clinical decision making" .	7.7.2014 to 13.7.2014	Dr. Mohammed Yasin, Prof. & Head, Department of BME, Rajalakshmi College of Engineering, Chennai
7.	Guest Lecture on "Scope in Biomedical Engineering".	10.07.15	L. Ramesh, Whole Time Director, GBR Clinic& Fertility Centre Pvt Ltd - Chennai
8.	DST sponsored Entrepreneurship Awareness Programme	27.04.16	MR.Anand Kumar, Royal Sports, Dindigul.
9.	German Language Classes	26 to 1.03.14	Mr. K.S. A. Gnanasekaran, German Tutor
10.	Speed Maths	20,22 & 23.06.15	M/s Apt Training Resources
11.	Training on AMCAT pattern	15 to19.06.15	M/s FACE
12.	Students training, Higher Studies & Placement	02.06.2016	Dr.Frehiwot, Head, Center for BME, Addis Ababa University, Ethiopia
13.	Students training, Higher Studies & Placement	02.06.2016	Dr. Esayas, Deputy Scientific Director, Jimma University, Ethiopia
14.	Students training, Higher Studies & Placement	02.06.2016	Dr. Gethachew, Head, Tegbareit Institute, Ethiopia
15.	Students training, Higher Studies & Placement	02.06.2016	Ms. Kidest, Country Director, Twinning Center, Ethiopia
16.	Students training, Higher Studies & Placement	02.06.2016	Dr. Rajesh, CEO, RASA Management & Recruitment Consultancy P.Ltd, Chennai

33. Teaching methods adopted to improve student learning

- Theory and Practical (Black board, Power point presentation)
- NPTEL Videos/ MIT Open courseware
- Central digital library
- Seminars and Tutorial Sessions
- Subject/Industry oriented Guest lecture
- In-plant training/In house project
- Industrial visit/Hospital visit

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl. No	Year	Blood donation camps	YRC	NSS	Rotaract	Pollution awareness programs	Free Eye Camps	Flood victim relief measure
				No. of students participated				
1	2015-16	15	01	-	06	-	-	10
2	2014-15	10	02	-	08	-	-	-
3	2013-14	08	01	-	07	-	-	-
4	2012-13	06	01	-	05	-	-	-

35. SWOC analysis of the department and Future plans Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths
- Well established laboratory
- Established alumni
- Consistent placement record.
- Consistent number of university rank holders

Weaknesses
- Need to enter into MoUs with hospitals
- Research and Development facility needs to be improved.

Opportunities
- Install, adjust, maintain, repair or provide technical support for biomedical equipments.
- Work with life scientists, chemists and medical scientists to research the engineering
- aspects of the biological system of humans.
- Pursue higher studies and research in India and abroad.

Challenges
- To design equipment and device, such as artificial internal organs.
- To develop a Computer Aided Diagnosing (CAD) system for various diseases.

Future Plans
- Value added courses will be conducted for the students to fulfill the challenges.
- Signing of MOU with core companies and multi specialty hospitals to enhance student exposure.
- Creating new research laboratory facility to improve Research and Development among faculty and students.

EVALUATIVE REPORT
DEPARTMENT OF MANAGEMENT STUDIES

1. **Name of the department :** Department of Management Studies

2. **Year of Establishment :** 1994

Sl.No.	Year	Intake
1	1994	40
2	1998-1999	60
3	2005-2006	90
4	2006 -2007	120

3. **Names of Programmes / Courses offered (PG):** MBA

4. **Names of Interdisciplinary courses and the departments/units involved:** NIL

5. **Annual/ semester/choice based credit system (programme wise):** Semester

6. **Participation of the department in the courses offered by other departments**

Semester	Interdisciplinary Course	Departments Involved
VII	Principles of Management	EEE
V	Principles of Management	ECE
VII	Principles of Management	CIVIL
V	Professional Ethics	EEE
VII	Engineering economics & financial accounting	CSE
V	Engineering economics & financial accounting	IT
VIII	Professional Ethics	CSE
VI	Principles of Management	CIVIL
VI	Total Quality Management	CIVIL
VIII	Total Quality Management	BME

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:** NIL

9. **Number of teaching posts**

	Sanctioned	Filled
Professors	2	5
Associate Professors	4	5
Asst. Professors	11	7

**10. Faculty profile with name, qualification, designation, specialization,
(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.S.Manimaran	MBA., M.Phil., Ph.D.	Professor & Head	Information System and Behaviour Studdies	19.1 Years	9
Dr.N.Murugan	M.Sc., MBA., Ph.D.	Professor	Finance	23.4 Years	7
Dr.T.Muthupandian	MBA., M.Phil., Ph.D.	Professor	Marketing	20.5 Years	3
Dr.P.S.Venkateswaran	MBA., M.Phil., Ph.D.	Professor	Marketing & Human Resource	17.6 Years	
Dr.A.Aleeswari	MBA., M.Phil., Ph.D.	Professor	Marketing	17.2 Years	
Dr.S.Jayaraman	MBA.,M.Com., Ph.D	Associate Professor	Finance & Marketing	11.4 Years	
Ms.R.Sindhya	MBA., M.Phil., (Ph.D).	Associate Professor	Marketing	14.7 Years	
Dr.B.Arun	MBA., M.Phil., Ph.D.	Associate Professor	Marketing & Human Resource	8.11 Years	
Dr.A.Sabarirajan	MBA., M.Phil., Ph.D.	Associate Professor	Finance & Marketing	10.3 Years	
Mrs. P. Vijayalakshmi	MBA	Associate Professor	Finance & Marketing	8.1 Years	
Dr.K.Bhagyalakshmi	MBA., M.Phil., Ph.D.	Assistant Professor	System & Fincance	7.9 Years	
Dr.N.Geethanjali	MBA., M.Phil., Ph.D	Assistant Professor	Finance & Human Resource management	8.5 Years	
Mrs.D.Lavanya	MBA., (Ph.D).	Assistant Professor	Marketing & Human Resource	7.2 Years	

Dr.M.Parveen Roja	MBA., Ph.D	Assistant Professor	Marketing	6.9 Years	
Dr.J.Suhashini	MBA., Ph.D.	Assistant Professor	Finance	5.11 Years	
Ms.U.Geetha	MBA., M.Phil.	Assistant Professor	Human Resource & System	5.11 Years	
Mrs.E. Manju	MBA., M.Phil.	Assistant Professor	Human Resource & Marketing	6.1 Years	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty - NIL

13. Student -Teacher Ratio (programme wise): 15: 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1	Technical	1	1
2	Administrative	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty Members
Ph.D.	12
M.Phil	4
M.B.A	1

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sl. No.	Name of the Project	Name of the Funding Agency	Name of the Project Investigator	National/ International	Total Grant Received
1	DST - EDC – NIMAT Project	DST	Dr.S.Manimaran	National	1,40,000
2	DST – NRDMS Project	DST	Dr.A.Sabarirajan	National	9,50,000
3	NATIONAL CONFERENCE	DST-SERB	Dr.S.Manimaran	National	100,000

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Rs.29,42,500

18. Research Centre /facility recognized by the University
Anna University Recognized Research Centre for doing Ph.D

19. Publications:
* a) Publication per faculty: 5
* Number of papers published in peer reviewed journals (national / international) by faculty and students

Sl. No.	No. of Publications in National Journal	No. of Publications in International Journal	If any made by Students
1	23	60	2

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Sl. No.	No. of Publications	Listed in
1	17	Scopus
2	21	Others

Sl. No.	Name of the Faculty	Citation Index	SNIP	SJR	h-index	Impact Factor	Publication in Inter'l Database
1	Dr.S.Manimaran	2	0.033	0.26	1	1.54	5
2	Dr.N.Murugan	5	0.396	0.139	1		2
3	Dr.T.Muthupandian		0.166	0.132			4
4	Dr.P.S.Venkateswaran	13	0.147	0.13	1		6
5	Dr.A.Aleeswari						
6	Dr.S.Jayaraman		0.166	0.13			2
7	Ms.R.Sindhya		0.166	0.13			2
8	Dr.B.Arun		0.166	0.13			2
9	Dr.A.Sabarirajan	16	0.166	0.13	2		4
10	Mrs. P. Vijayalakshmi		1.114	0.628			1
11	Dr.K.Bhagyalakshmi	1	0.166	0.13	1	1.54	5
12	Dr.N.Geethanjali		0.166	0.13			
13	Mrs.D.Lavanya						
14	Dr.M.Parveen Roja		0.166	0.13			1
15	Dr.J.Suhashini		0.166	0.13			2
16	Ms.U.Geetha		0.166	0.13			
17	Mrs.E. Manju		0.166	0.13			2

20. Areas of consultancy and income generated
Department provides 19 consultancy works to various companies in business related issues in service motive.

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards

SL. No.	Name of the Faculty	National/I'national/Editorial Board member
1	Dr. R. Bhagya Lakshmi	Technology and Health Care – IOS Press, Netherland (International) Section Editor
2	Dr.A.Sabarirajan	International Journal of Human Resource Management. (International) Reviewer
3	Dr. T. Muthupandian	International Journal for Research (International) Editor
4	Dr. T. Muthupandian	IOSRD – International Journal of Business (International) Editor
5	Dr. T. Muthupandian	Manthan Business Review (National) Reviewer
6	Dr. N. Murugan	International Journal on Management Science Editor

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies - 100%

23. Awards / Recognitions received by students: NIL

Awards / Recognitions received by faculty

SL. No	Name of faculty	Venue	Date	Awards /position
1	Dr.T.Muthupandian	NFED, Chennai	2012-13	Outstanding contributor to Teaching and Research
2	Dr.T.Muthupandian	NFED, Coimbatore	2013-14	Senior Educator and Researcher
3	Ms.P.Vijayalakshmi	NFED	2015-16	Senior Educator and Researcher
4	Ms.R.Sindhya	NFED	2015-16	Senior Educator and Researcher
5	Dr.T.Muthu Pandian	ASDF GLOBAL, Bangkok, Kingdom of Thailand	2013-14	ASDF Global Award for Best Professor of the year 2014
6	Dr.S.Manimaran	Award by World Education Congress and CMO Asia	2014-15	Recipient of "Best Professor in Management Information System in Asia"
7	Dr.T.Muthu Pandian	MTC Global Award for Excellence	2014-15	Distinguished Teacher Award Management
8	Dr.T.Muthu Pandian	Venus International Foundation Centre for advanced research and design	2015-16	Outstanding Faculty for the contribution in the field of Management
9	Dr.T.Muthu Pandian	EET CRS	2015-16	Certificate of Excellence
10	Dr.T.Muthu Pandian	ASDF	2015-16	Best Non-Circuit Faculty SIAA Award

24. List of eminent academicians and scientists / visitors to the department

S. No	Name of Resource Person	Designation	Organization	Date of Visit
1	Dr.R.Venkatapathy	Director	Director-DOMS Bharathiar University	17.09.2012
2	Mr.Ponraj	GM	General Manager, United India Foods	21.09.2012
3	Mr.Ramkumar Singaram	CEO	CEO-Catalyst Public Relations, Chennai	12.10.2012
4	Dr.R.Ravanan	Professor	Presidency College, Chennai	25.11.2012
5	Mr.Hari Gopal	General Manager	GM (HR) -TVS CHAKRA	14.02.2013
6	Dr.Sudhinder Singh Chowhan	Professor	NIMS, Jaipur	18.03.2013
7	L.Senthil Kumar	Manager	Manager- TPM & MSE, DELPHI TVS DIESEL SYSTEM LTD, Chennai	23.08.2013
8	Leo Tony	Consultant	Consultant - SITA Airports, London, UK.	23.08.2013
9	Rama Krishnan.S	Consultant	Principal Communication Consultant- Accenture	26.08.2013
10	C.Suresh Kumar	MD	Managing Director- KC Dairy Products	29.08.2013
11	Mr.Thinakar	ASM	ASM, Vodafone	20.02.2014
12	Dr.A.G Narayanan	Director	Director, EBET, Erode	21.03.2014
13	Mr.S.Chandrasekar	Managing Director	Employer HR Solutions Pvt Ltd Uthrahalli Bangalore	27.08.2014
14	alakrishnan	Managing Director	Jansons Institute of Technology, Coimbatore	14.02.2015
15	Mr.Jayachandran	Deputy Project Manager	Mangalyan Team, ISRO	12.12.2014
16	Mrs.N.Alamelu	Consultant & Statistician	ANSCI Technologies, Chennai	18.02.2015 & 19.02.2015
17	Ms.Ian Cawley	Manager	Global Manager (HE & Work place) United Kingdom	13.05.2015
18	Ramaswamy.N	Director	Pravritti Consulting Services, Chennai	23.07.2015
19	Solomon Suresh	Trainer	Resurge Academy	04.08.2015
20	Prof. David Rajesh	Assisitant Professor	NIZWA University Ministry of Education, Sultanate of Oman	6.08.2015
21	Dr.Senthil Arasu	Assistant Professor	NIT, Trichy	30.09.2015
22	K.Harinath Babu	Director	Director Operations Buddhi Asia	05.10.2015

25. Seminars/ Conferences/Workshops organized & the source of funding
a) National

S.No	Event	Period	Resource Person	Source of funding
1	National Conference – BEAT	29.04.16 – 30.04.16	Dr. Hari Sundar	DST - SERB

b)International: NIL

26. Student profile programme/course wise:

Year	Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
2012-2013	MBA	200	123	81	42	74
2013-2014	MBA	150	109	77	32	61
2014-2015	MBA	212	127	68	59	76.85
2015-2016	MBA	196	120	53	67	

*M = Male   *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
PG-MBA-2014-2016	90%	5%	5%
MBA-(2013-2015)	100%	NIL	NIL
MBA(2012-2014)	94%	1.3%	4.7%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: NIL

29. Student progression

Student progression	Against % enrolled
PG to M.Phil.	2%
PG to Ph.D.	1%
Ph.D. to Post-Doctoral	nil
Employed ⬗ Campus selection ⬗ Other than campus recruitment	70% 10%
Entrepreneurship/Self-employment	20%

30. Details of Infrastructural facilities
a) Library

Department	MBA
No.of Volumes Available	14105
No.of Titles Available	6356

b) Internet facilities for Staff & Students
The campus has 24 hours internet facility 256 mbps (1:1) connectivity through dedicated leased line

c) Class rooms with ICT Facility

Rooms	No. of rooms	Facilities Available
Lecture rooms	4	LCD
Tutorial Rooms	1	LCD
SEMINAR HALL	1	LCD

d) Laboratories

S.No	Name of the laboratory	Area of the Lab	Practical's Conducted	list of major equipments
1	MBA Lab	169 sq.m	Data Analysis and Business Modelling	Computer, Printers, LCD, TV

31. Number of students receiving financial assistance from college, university, government or other agencies

Category	No of Students
SC/ST	41
MBC	50
OBC	-

Year	No. of students receiving scholarship from			
	College	University	Government	Other agencies
2015-16	3	NIL	SC- 4 MBC-10	NIL
2014-15	1	NIL	SC-10 MBC-11,	NIL
2013-14	NIL	NIL	SC-15,MBC-10	NIL
2012-13	NIL	NIL	SC-12,MBC-19	NIL

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts FOR 4 YEARS

S.No	Period	Event	Total
1	2012-2013	workshop	3
2	2012-2013	Guest Lecture	14
3	2013-2014	workshop	3
4	2013-2014	Guest Lecture	13
5	2014-2015	workshop	3
6	2014-2015	Guest Lecture	14
7	2015-2016	workshop	3
8	2015-2016	Guest Lecture	29

33. Teaching methods adopted to improve student learning
- Case study analysis
- Role play
- Brain storming session.
- Lecturing(Using black board and PPT)
- Group Discussion
- Video Conferencing

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: NIL

35. SWOC analysis of the department and Future plans

Strengths
- Intellectual Capital - 80% of faculty members with PhD
- Organizational Governance - 100% faculty retention
- Research Orientation
- Anna University Recognized Research Center
- Received Grants from Central Goverment for doing Reseach Project
- Good Infrastructure

Weaknesses
- Unable to implement industrial need based curriculum.

Opportunities
- Academic Partnership with other institutes
- Global Placement
- Global Research Projects
- International University Tie ups

Challenges
- Managing diversified culture of students.

Future Plans
- To promote more social relevant research project
- To conduct more awareness camps and training programs to uplift the nearby small business units
- To improve research activities in publications, funded projects
- To increase more corporate placement of our students

EVALUATIVE REPORT
DEPARTMENT OF COMPUTER APPLICATIONS

1. **Name of the department:** Department of Computer Applications

2. **Year of Establishment :** 1998

Sl. No.	Year	Intake
1	1998	30
2	1999	36
3	2000	60
4	2005	90
5	2006	120

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.)**
   MCA-Master of Computer Applications

4. **Names of Interdisciplinary courses and the departments/units involved -** -NIL-

5. **Annual/ semester/choice based credit system (programme wise)**

Sl.No.	Name of Programme	Annual/ semester/choice based credit system
1	MCA – Master of Computer Applications	Semester

6. **Participation of the department in the courses offered by other departments**

Semester	Course Name	Departments Involved
I	Fundamentals of Computer Programming	BE – Civil Engineering , BE – Mechanical Engineering, B.E – Bio-Medical Engineering.
I	Computer Programming Lab-I	BE – Civil Engineering , BE – Mechanical Engineering, B.E – Bio-Medical Engineering.
I	Information Management Systems	MBA
II	Computer Programming Lab-II	BE – Civil Engineering , BE – Mechanical Engineering.
II	Enterprise Resource Planning	MBA

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** --NIL-

8. Details of courses/programmes discontinued (if any) with reasons:
-NIL-

9. Number of teaching posts

	Sanctioned	Filled
Professors	2	2
Associate Professors	6	6
Asst. Professors	16	16

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. P. Jaganathan	MCA., Ph.D.	Professor & Head	Data Mining	22 Years 7 Months	4
Dr.K.Balasubramanian	MCA., M.Phil., Ph.D	Professor	Image Processing	16 Years 6 Months	-
Dr. V. Devendran	MCA., Ph.D.	Asso. Professor	Image Processing	14 Years 11Months	-
Dr. P. Babu	MCA., M.Phil., M.E. Ph.D.	Asso. Professor	Image Processing	19 Years 2 Months	-
Mr. S. Jaiganesh	MCA., M.Phil.	Asso. Professor	Data Mining	13 Years 9 Months	-
Dr. M. Rajinikannan	MCA., M.Phil. Ph.D.	Asso. Professor	Image Processing	14 Years 8 Months	-
Dr. N. Rajkumar	MCA., M.Phil.Ph.D.	Asso. Professor	Data Mining	15 Years 9 Months	-
Dr. R. Kuppuchamy	MCA., M.Phil. Ph.D.	Asso. Professor	Data Mining	17 Years 7 Months	-
Mrs. S. Vinothini	MCA	Asst. Professor	Data Mining	10 Years	-
Mr. S. Jayakumar	MCA. MBA., M.Phil.	Asst. Professor	MIS	9 Years 10 Months	-
Mr. M. Gopianand	MCA	Asst. Professor	Data Mining	12 Years 8 Months	-
Mrs. T. Kamalavalli	MCA, M.Phil.	Asst. Professor	Data Mining	11 Years 7 Months	-
Dr.A.Vanitha Katherine	MCA, M.Phil. Ph.D.	Asst. Professor	Software Engg.	12 Years 7 Months	-
Mr. T. Pushparaj	MCA, M.Phil.	Asst. Professor	Software Engg.	9 Years 2 Months	-
Mr. S. Palaniappan	MCA, M.E.	Asst. Professor	Software Engg.	9 Years 7 Months	-
Mrs. N. Vallileka	MCA,M.Phil.	Asst. Professor	Software Engg.	8 Years 8 Months	-
Mrs. R. Muthu meenakshi	MCA	Asst. Professor	Networks	7 Years 3 Months	-
Mrs. N. Jayalakshmi	MCA, M.Phil.	Asst. Professor	Software Engg.	8 Years 3 Months	-
Mrs. P. Backia Lakshmi	MCA	Asst. Professor	Software Engg.	5 Years 3 Months	-

Mrs. K. Nimmati Satheesh	MCA, M.Phil.	Asst. Professor	Software Engg.	4 Years 11 Months	-
Mr. B. Mathankumar	MCA, M.E, M.Phil.	Asst. Professor	Image Processing	10 Years 7 Months	-
Mr. S. Nagarajan	MCA, M.Phil.	Asst. Professor	Data Mining	5 Years 3 Months	-
Mr. A. Karuppaiah	M.E.	Asst Professor	Data Mining	2 Months	-
Mr. I. Sivakumar	MCA	Asst. Professor	Data Mining	3 Years 7 Months	-

11. List of senior visiting faculty - NIL

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty - NIL

13. Student -Teacher Ratio (Programme wise)
Ratio may be provided for each program separately. Please use bullets
MCA   : 15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1	Mr. T. Gunasekaran	2	1
2	Mr. S. Deivamani	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty Members
Ph.D.	8
M.Phil	9
M.E.	2
MCA	5

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received
NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sl. No.	Name of the Project	Name of the Funding Agency	Name of the Project Investigator	National / International	Total Grant Received
1	Online Expert System for Medical Diagnosis	AICTE - RPS	Dr. P. Jaganathan	National	6.99 Lacs.

18. Research Centre /facility recognized by the University

Recognized Research centre by Anna University, Chennai for doing Ph.D. / M.S. (by Research) – Ref. No: Lr. No.910/IR/MCA/AR1 Dt. 08/09/2015

19. Publications:

a) Publication per faculty: 107 / 24 = 4.45

∗ Number of papers published in peer reviewed journals (national /international) by faculty and students

Sl.No.	No. of Publications in National Journal	No. of Publications in International Journal (SCI and Scopus)	If any made by Students
1	-	31	-

∗ Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences   Directory, EBSCO host, etc.)

Sl. No.	No. of Publications	Listed in
1	18	SCI
2	13	Scopus
3	76	Others

∗Monographs If any - NIL
∗Chapter in Books/ Books Edited   NIL
∗Books with ISBN/ISSN numbers with details of publishers

Sl.No.	Title of the Book	Publisher Name & Year	ISBN No.
1	Web Programming Essentials	Thakur Publications	9789351630494
2	Development of Contrast Enhancement Techniques for Digital Images	Lambert Academy	978-3-659-79569-5

Give the details of Citation Index, SNIP, SJR, h-index, impact factor, Number of publications listed in International Database

Sl. No.	Name of the Faculty	Citation Index	SNIP	SJR	h-index	Impact Factor	Publication in International Database
1	Dr. P. Jaganathan	132	11.822	4.095	8	4.585	28
2	Dr. K.Balasubramanian	61	5.397	2.521	4	5.186	5
3	Dr. P. Babu	16	2.708	1.618	2	2.092	10

4	Dr. V. Devendran	53	-	-	4	-	3
5	Mr. S. Jaiganesh	8	1.032	0.293	1	-	6
6	Dr. M. Rajinikannan	20	2.092	0.587	2	0.519	5
7	Dr. N. Rajkumar	8	1.672	0.693	2	0.31	5
8	Dr. R. Kuppuchamy	21	1.7	0.909	2	2.025	6
9	Mrs. S. Vinothini	-	-	-	-	-	3
10	Mr. S. Jayakumar	-	-	-	-	-	3
11	Mr. M. Gopianand	-	-	-	-	-	2
12	Mrs. T. Kamalavalli	-	-	-	-	-	4
13	Dr.A.Vanitha Katherine	-	-	-	-	-	6
14	Mr. T. Pushparaj	-	-	-	-	-	3
15	Mr. S. Palaniappan	-	-	-	-	-	2
16	Mrs. N. Vallileka	-	-	-	-	-	2
17	Mrs. R. Muthumeenakshi	-	0.005	0.101	-	-	3
18	Mrs.N.Jayalakshmi	-	-	-	-	-	3
19	Ms. P.Backialakshmi	-	-	-	-	-	2
20	Mrs. Nimmati Satheesh	-	-	-	-	-	4
21	Mr. B. Mathankumar	-	0.26	0.13	-	-	2

20. Areas of consultancy and income generated

S. No.	Project Title	Client	Status	Value In Rs.
1.	Knitman 205	Evermellow, Tiruppur	Completed	Rs.1,50,000
2.	People Entreat System	District Collectorate, Dindigul	Completed	Nil

3.	In-House Consultancy
	  i. Office Automation System
	  ii. Library Management System
	  iii. PF Management System
	  iv. Online Feedback System
	  v. Gate Register System
		PSNACET	Completed	Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards….

SL. No.	Name of the Faculty	National/ International/Editorial Board member
1	Dr. P. Jaganathan	❖ Member , Board of studies in Mother Thersa University, Kodaikkanal, Sree Saraswathi Thiyagaraja College Pollachi and Madurai Kamaraj University, Madurai ❖ Expert member for UGC Project fellow Selection Periyar University, Salem ❖ Chairman – MCA Board, Anna University Zone XV Central Valuation

			Advisory committee member in International Journal of Computational Intelligence and Informatics
		❖	Reviewer in International Arab Journal of Information Technology
2	Dr. K. Balasubramanian	❖	Reviewer in Imaging Systems and Technology
3	Dr. P. Babu	❖	Reviewer in IEEE Transactions in Cybernetics
		❖	Reviewer in Journal of Medical Imaging and Health Informatics
		❖	Vice-chairman – MCA Board, Anna University Zone XV Central Valuation

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

Type of Project	No. of students	Academic Year
Inter departmental	-	-
In-house	1/93 = 1%	2012 - 2013
In-house	6/116 = 5%	2013 - 2014
In-house	11/126=9%	2014 - 2015
In-house	3/138 = 2%	2015 - 2016

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

Type of Project	No. of students	Academic Year
students projects in organizations	92/93 = 99%	2012-2013
students projects in organizations	110/116 = 95%	2013-2014
students projects in organizations	115/126=91%	2014-2015
students projects in organizations	135/138 = 98%	2015-2016

(c) Please provide the details about internships thro placement here for last 4 academic years

Academic Year	No. of students gone for internship	List of Companies
2012-2013	7	❖ Sans Pareil IT Services Ltd., Chennai ❖ ITI Limited, Bangalore ❖ L&T Technologies, Chennai

2013-2014	38	❖ HCL CDC, Chennai ❖ HCL CDC, Coimbatore ❖ ZOHO Corporation, Chennai ❖ Roots Industries , Coimbatore ❖ Bluegenie Technologies, Chennai ❖ KGISL, Coimbatore
2014-2015	14	❖ HCL Technologies, Chennai ❖ 8KMiles, Chennai ❖ Sans Pareil IT Services Ltd., Chennai ❖ BSNL, Madurai ❖ Vernalis Pvt. Ltd., Chennai
2015-2016	12	❖ WIPRO Technologies, Chennai ❖ Vernalis Pvt. Ltd., Chennai ❖ SAI Innovative Solutions, Chennai ❖ Sans Pareil IT Services Ltd., Chennai

23. Awards / Recognitions received by faculty and students

- Dr. P.Babu Associate Professor received Best Motivator Award from Indian Red Cross Society & Meenakshi Mission Hospital and Research Center , Madurai on 01.10.2015 for involving Social Activities.
- Dr. P.Babu Associate Professor received Medal and Certificate of Appreciation from Dindigul District Collector on 07.12.2015 for Organizing Blood donation Camps and helping poor peoples.
- Our students have participated and won prizes in different events such as paper presentation, quiz, marketing etc., in near by colleges and universities. 29 prizes have been won by our students.

24. List of eminent academicians and scientists / visitors to the department

S.No	Name of Resource Person	Organization	Date of Visit	Program name
1.	Mr. E Vel Bala, CEO	EVel India Pvt. Ltd., 41 A, E.P.Meeran Comples, Madurai.	04.05.16	DST sponsored Entrepreneurship awareness and leadership quality development
2.	Mr. Arun Sethuramalingam, Manager/ Systems	NISSAN North America Inc. 300 Nissan Drive, Canton, MS 39046	05.08.15	Systems Engineering
3.	Mr.P.Srinivasan, Director	Veteran Technology Solutions, Trichy	10.10.15	Software Quality Standards and Management
4.	Mr.Syed Azam, Software Engineer	Perpetro Technologies Private Limited, Chennai	17.10.15	Mobile application development using Android

5.	Mr.C.Chandra mohan , Managing Director	iWel Technology, Dindigul	19.10.15	Creating Applications using Struts & Silverlight
6.	Mr.R. Sivaraj, Quality Assurance Engineer	Amazon Development Center, Bangaluru.	27.02.14	Android applications
7.	Dr.P.shanmuga Vadivu, Prof., & HOD	Department of Computer Science and applications , GRU , Gandhigram.	. 04.04.14	Compiler Design
8	Mr.P.Srinivasan, Associate	SRM Info Tech, Chennai.	14.08.14	Ethical Hacking
9.	Dr.N.Subba Reddy, Prof.,	Division of Material science & Engg, Gyeongsang National Univeristy,South Korea	27.08.14 to 28.08.14	Recent Trends in Computational Intelligence Techniques for Big Data Analysis
10.	Mr.G.Arun, Senior Software Developer	CMC Academy, Quadrant 4 Technologies, Madurai	11.10.14	One Day Workshop on Hadoop and big data analytics – Hands on Training
11.	Dr. C.Muthu , Prof.	St.Joseph college, Trichy	06.09.13	Web Services architecture
12.	Mr.R.Chandra Kumar, Manager	NOKIA Solutions, Network,ECR, Chennai.	05.10.13	Software Quality Management
13.	Mr. Moshe George, Sr. Test Engineer	IBS Software Services Pvt. Ltd, Chennai.	26.10.13	Industry Open Source Technologies
14.	Mr.Syed Azam, Software Engineer,	Perpetro Technologies Private Limited, Chennai	04.5.12	Seminar on Mobile Application :Google Android
15.	Mr.P.Srinivasan Associate,	SRM Info Tech, Chennai.	05.4.12	Seminar on Ethical Hacking & Web Technology

25. Seminars/ Conferences/Workshops organized & the source of funding
a) National

S.No	Event	Period	Resource Person	Source of funding
2015-2016				
1.	Workshop on Mobile application development using Android	17.10.2015	Mr.Syed Azam, Software Engineer, Perpetro Technologies Private Limited, Chennai	Self - Support
2.	Seminar on DST sponsored Entrepreneurship awareness and leadership quality development	04.05.2016	Mr. E Vel Bala , CEO, EVel India Pvt. Ltd., Madurai.	DST

3.	Seminar on Introduction to CISCO Network Training program	07.05.2016	Dr.P.Babu ASP/ MCA, PSNACET, Dindigul.	Self - Support
2014-2015				
4.	CSI –SB Sponsored Seminar on Ethical Hacking	14.08.2014	Mr.P.Srinivasan Associate, SRM Info Tech, Chennai.	CSI-SB
5.	Workshop on Hadoop and big data analytics – Hands on Training	11.10.2014	Mr.G.Arun, Senior Software Developer, CMC Academy, Quadrant 4 Technologies, Madurai	Self - Support
2013-2014				
6.	CSI –SB Sponsored Seminar on Android applications	27.02.2014	Mr.R. Sivaraj, Quality Assurance engineer, Amazon Development Center , Bangaluru	CSI –SB
7.	CSI –SB Sponsored Seminar on Web Services architecture	06.09.2013	C.Muthu , Prof. St.Joseph college, Trichy	CSI –SB
2012-2013				
8.	National Conference on Recent Trends in Computer Science and Application	26.04.2013	Dr. S. Sakthivel, Principal, PSNACET, Dindigul	Self - Support
9.	FDP on Network Security and Management	10.04.2013	Dr.P.Babu ASP/MCA, PSNACET	Self - Support
10.	ISTE Sponsored FDP on Instructional Design and Delivery system	25.02.2013	Dr.G.Janardhan , AP, NITTTR, Chennai	ISTE
11.	Workshop on Grid and Cloud Computing	10.02.2013	Dr.P.Babu ASP/MCA,PSNACET	Self - Support
12.	Seminar on Mobile Application : Google Android	04.5.2012	Mr.Syed Azam, Software Engineer, Perpetro Technologies Private Limited, Chennai	Self - Support
13.	Seminar on Ethical Hacking & Web Technology	05.4.2012	Mr.P.Srinivasan Associate, SRM Info Tech, Chennai.	Self - Support

(b)International

S.No	Event	Period	Resource Person	Source of funding
1.	International Seminar on Recent Trends in Computational Intelligence Techniques for Big Data Analysis	27.08.2014 to 28.08.2014	Dr. Gopinath Ganapathy, Director, Technology Park, Bharathidasn University, Trichy. Mr.R.P.Thangavelu, Senior Principal Scientist, CSIR-CMMCS, National Aerospace, Bangalore	ICMR Sponsored International Seminar

26.   Student profile Programme/course wise:

Year	Name of the Course/programme	Applications received	Selected	Enrolled *M	*F	Pass percentage
2015-2016	MCA	111	111	49	62	100
2014-2015	MCA	94	94	31	63	100
2013-2014	MCA	90	90	42	48	100
2012-2013	MCA	116	116	51	65	100

*M = Male   *F = Female

27.   Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
MCA	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	GATE	NET	SLET	TANCET	GMAT	Central Services	State Services
2015-16	-	-	-	55	-	6	3
2014-15	-	-	-	33	-	-	1
2013-14	5	-	-	64	-	-	1
2012-13	-	-	-	73	-	1	20

29. Student progression

Student progression	2014-15	2013-14	2012-13	2011-12
UG to PG	-	-	-	-
PG to M.Phil.	-	-	-	-
PG to Ph.D.	-	-	-	-
Employed • Campus selection • Other than campus recruitment	39%	18%	37%	70%
Entrepreneurship/Self-employment	8%	15%	12%	14%

30. Details of Infrastructural facilities

a) Library

Department	MCA
No. of Volumes Available	9107
No. of Title Available	3863
No. of National Journals/ Magazines	23
No. of E- Journals subscription	161

b) Internet facilities for Staff and Students
- 124 systems with 256 Mbps Bandwidth internet speed
- Entire Department is WiFi connected for staff and students

c) Class rooms with ICT facility

Rooms	No.of Rooms	Facilities
Lecture Rooms	6	LCD Projector
Tutorial Rooms	2	LCD Projector
Seminar Halls	2	LCD Projector, WIFI

d) Laboratories

Sl.no	Name of the Laboratory	Area of the Lab	No. of Practicals Conducted	List of Major equipments
1	Internet Programming lab	155 Sq.M	8	Hardware : HP PCs. 60 Nos Dell power edge T310 server Software : Turbo C++ 3.0, J2EE, J2SE Microsoft Visual Studio 6.0,Fedora, Windows XP
2	Software Development Lab	155 Sq.M	8	Hardware : HP PCs. 64 Nos HP Laser Printer HP Scanner jet IQ Board Software : Windows XP, Java, XML, Web logic, JSP, COM/.NET
3	Microprocessor Lab	77 Sq.M	6	8086 Trainer Kit Stepper Motor Controller Interface Board CRO Unit Interface Board Traffic Light Controller Interface Board ADC / DAC Interface Board 8251 / 8253 Interface Board Keyboard / Display Interface Board DC Motor Speed Measurement and Control Module CRO Display Unit

30. Number of students receiving financial assistance from college, university, government or other agencies

Category	No of Students			
	2015-16	2014-15	2013-14	2012-13
SC/ST	15	13	26	23
MBC	94	109	129	132
OBC	-	1	1	-

Year	No. of students receiving scholarship from			
	College	University	Government	Other agencies
2015-16	-	-	109	-
2014-15	-	-	123	-
2013-14	-	-	156	-
2012-13	1	-	155	-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S. No	Name of Resource Person	Designation	Organization	Date of Visit	Program name	Program type
2015-2016						
1	Mr. E Vel Bala	CEO	EVel India Pvt. Ltd., 41 A, E.P.Meeran Complex, Madurai.	04.05.16	Entrepreneurship awareness and leadership quality development	DST sponsored Seminar
2	Mr.C.Chandramohan	Managing Director	iWel Technology, Dindigul	19.10.15	Creating Applications using Struts & Silver light	Seminar
3	Mr.P.Srinivasan	Director	Veteran Technology Solutions, Trichy	10.10.15	Software Quality Standards and Management	Seminar
4.	Mr. Syed Azam,	Software Engineer	Perpetro Technologies Private Limited, Chennai	17.10.15	Mobile application development using Android	Workshop
2014-2015						
5	Ms. N. Pavithra	Project Engineer	Wipro Technologies Chennai	19.11.15	The current scenario of IT Industry and its Work Culture	Industrial Guest Lecture
6	Mr. Arun Sethuramalingam	Manager /Systems Engineering	NISSAN North America Inc. 300 Nissan Drive, Canton, MS 39046	05.08.15	Systems Engineering	Seminar

7	Mr.G.Arun,	Senior Software Developer	CMC Academy, Quadrant 4 Technologies, Madurai	11.10.14	One Day Workshop on Hadoop and big data analytics – Hands on Training	Workshop
8	Mrs.B.Badma	Wipro Specific Training	M/s. Smart Training Resources, Chennai	10.09.14 & 11.09.14	Wipro Specific Training	Placement Training
9	Dr.N.Subba Reddy	Professor	Division of Material science and Engineering , Gyeongsang National Univeristy, South Korea	27.08.14 to 28.08.14	Recent Trends in Computational Intelligence Techniques for Big Data Analysis	ICMR sponsored International Seminar
10	Mr. R.Raju	CTS Specific Training	M/s. FACE, Coimbatore	27.08.14 to 30.08.14	CTS Specific Training	Placement Training
11	Mr.P.Srinivasan	Associate	SRM Info Tech, Chennai.	14.08.14	Ethical Hacking	Seminar
12	Mr.R.Raju	AMCAT Pattern & Placement Training	M/s. FACE, Coimbatore	26.06.14 to 30.06.14	AMCAT Pattern & Placement Training	Placement Training
13	Mrs.K.Pavithra	Aptitude Skills	M/s. Apt Training Resources, Chennai	23.06.14 to 25.06.14	Aptitude Skills	Placement Training
2013-2014						
14	Dr.P.shanmugavadivu	Prof & Head,	Department of Computer Science and applications , Gandhigram Rural University , Gandhigram.	04.04.14	Compiler Design	Guest Lecture
15	Mr.R. Sivaraj,	Quality Assurance engineer,	Amazon Development Center ,Bangaluru	27.02.14	Android applications	Seminar
16	Mr.Moshe George	Sr.Test Engineer	IBS Software Services Pvt.Ltd, Chennai.	26.10.13	Industry Open Source Technologies	Industrial Guest Lecturer
17	Mr.R.Chandrakumar	Manager(Quality)	NOKIA Solutions, Network, ECR, Chenna.	05.10.13	Software Quality Management	Industrial Guest Lecturer
18	Dr. C.Muthu	Prof.	St.Joseph college . Trichy	06.09.13	Web Services architecture	Seminar

				2012-2013		
19	Dr.R.Vidhyapriya	Professor	Department of IT, PSG Tech, Coimbatore	10.04.13	Network Security and Management	FDP
20	Dr.G.Janardhanan	Associate Professor,	NITTTR, Chennai	25.02.13	Instructional Design and Delivery system	ISTE Chapter Sponsored FDP
21	Dr.P.Thangaraj	Professor	Bannari Amman Institute of Technology	10.02.13	Grid and Cloud Computing	Workshop
22	Dr.B.Nagarajan	Director	Bannari Amman Institute of Technology	04.05.12	Mobile Application : Google Android	Seminar
23	Dr.K.Umamaheswari	Professor	Department of IT, PSG Tech, Coimbatore	05.04.12	Ethical Hacking & Web Technology	Workshop

33. Teaching methods adopted to improve student learning
- Adherence to Academic calendar
- Use of instructional methods and pedagogical initiatives
- Methodology to support weak students and to encourage toppers
- Quality of classroom teaching
- Continuous assessment in the laboratory
- Students Feedback of teaching learning process and action taken

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl. No		Blood donation camps	YRC	NSS	ROTRACT	Pollution awareness programs	Free Eye Camps	Flood victim relief measure
1	No. of students participated	24	-	-	-	-	-	-

35. SWOC analysis of the department and Future plans

Strengths
- Well qualified experienced and dedicated faculty.
- State-of-the-Art computing facilities
- Well equipped library
- Healthy student teacher relationship.
- High success rate
- Good academic record.

Weaknesses
- No big Software industries nearby
- Consultancy Projects
- Patent and funded Projects

Opportunities
- Good participation in other college's Events/ Programmes/ Seminars/ Conferences/ Workshops
- Good numbers of research publications in future
- More placements in the IT sectors

Challenges
- innovative project
- Plan to reach / service to the society using ICT
- Providing communication and technical training for the students with tamil as mediam

Future Plans
- To establish a technology incubation centre in the area of ICT
- To establish a software development centre to offer consultancy
- To submit quality proposals to obtain research grants to the tune of Rs.20 lakhs per year
- To attain 100% placements for the students.

EVALUATIVE REPORT OF SCIENCE AND HUMANITIES

1. **Name of the department:** MATHEMATICS

2. **Year of Establishment:** 1984

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** Nil

4. **Names of Interdisciplinary courses and the departments/units involved:** Nil

5. **Annual/ semester/choice based credit system (programme wise):** Semester

6. **Participation of the department in the courses offered by other departments**

Semester	Interdisciplinary Course	Departments Involved
III	Transforms and Partial Differential Equations	EEE,MECH,ECE,IT,BME,CSE,CIVIL
IV	Numerical Methods	EEE,CIVIL
IV	Statistics and Numerical methods	MECH
IV	Probability and Queuing theory	CSE,IT
IV	Probability and Random Processes	BME,ECE
V	Discrete Mathematics	CSE

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** Nil

8. **Details of courses/programmes discontinued (if any) with reasons:** Nil

9. **Number of Teaching posts:**

	Sanctioned	Filled
Professors	04	04
Associate Professors	04	04
Asst. Professors	22	26

**10. Faculty profile with name, qualification, designation, specialization,
(D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)**

S.NO	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students guided
1.	Dr.V.Seerengasamy	M.Sc.,Ph.D	Professor	Operations Research	36	-
2.	Dr. R.Muthuraj	M.Sc.,M.Phil.,Ph.D	Professor	Fluid Dynamics	16	-
3.	Dr. A.Nagarajan	M.Sc.,M.Phil.,Ph.D	Professor	Operations Research	22	-
4.	Dr. R.Satheesh Kumar	M.Sc.,M.Phil.,Ph.D	Professor	Mathematics	15	-
5.	Mr. M.S.Muthuraman	M.Sc.,M.Phil	Associate Professor	Mathematics	20	-
6.	Mrs. N.Ramila Gandhi	M.Sc.,M.Phil	Associate Professor	Mathematics	14	-
7.	Dr. M.Sridharan	M.Sc.,M.Phil.,Ph.D	Associate Professor	Fuzzy Algebra	17	-
8.	Dr. K.Thiagarajan	M.Sc.,Ph.D	Associate Professor	Mathematics	14	-
9.	Mr. R.Udaya Kumar	M.Sc.,M.Phil	Assistant Professor	Mathematics	12	-
10	Dr. K.H.Manikandan	M.Sc.,M.Phil., Ph.D	Assistant Professor	Fuzzy Algebra	14	-
11	Mr. R.Sundararajan	M.Sc.,M.Phil	Assistant Professor	Mathematics	12	-
12	Mrs. S.Krishna Prabha	M.Sc.,M.Phil.,M.E	Assistant Professor	System Engineering and Operations Research	13	-
13	Mrs. M.Prabha	M.Sc.,M.Phil	Assistant Professor	Mathematics	9	-
14	Mr. P.Uthayakumar	M.Sc.,M.Phil	Assistant Professor	Mathematics	10	-
15	Mrs. S. Devi	M.Sc.,M.Phil	Assistant Professor	Mathematics	8	-
16	Mrs. P.Vijaya Lakshmi	M.Sc.,M.Phil	Assistant Professor	Mathematics	5	-
17	Mrs. R.K. Selvi	M.Sc.,M.Phil	Assistant Professor	Mathematics	9	-
18	Mrs.M.Meenakshi	M.Sc.,M.Phil	Assistant Professor	Mathematics	7	-
19	Mrs. S. Kailasavalli	M.Sc.,M.Phil	Assistant Professor	Mathematics	10	-
20	Mrs. G.Santhameena	M.Sc.,M.Phil	Assistant Professor	Mathematics	5	-
21	Mrs. C. Yamini	M.Sc.,M.Phil	Assistant Professor	Mathematics	9	-
22	Mrs. A. Sasireka	M.Sc.,M.Phil	Assistant Professor	Mathematics	5	-
23	Mrs. J. Femila Mercy Rani	M.Sc.,M.Phil	Assistant Professor	Mathematics	6	-

24	Mr. S. Basheer Ahamad	M.Sc.,M.Phil	Assistant Professor	Mathematics	8	
25	Mrs. D. Durai Arul Durgadevi	M.Sc.,M.Phil	Assistant Professor	Mathematics	4	-
26	Ms.V.Seetha Lakshmi	M.Sc.,M.Phil M.Sc.,M.Phil	Assistant Professor	Mathematics	3	-
27	Dr. G. Sabarinathan	M.Sc.,M.Phil., Ph.D	Assistant Professor	Operations Research	2	-
28	Dr. K.V. Geetha	M.Sc.,M.Phil.,Ph.D	Assistant Professor	Operations Research	5	-
29	Mrs. K.Navaneetham	M.Sc.,M.Phil	Assistant Professor	Mathematics	9	-
30	Dr. Nivetha Martin	M.Sc., MBA.,Ph.D	Assistant Professor	Operations Research and Environmental Management	2	-
31	Mr.M.Karthivel	M.Sc.,M.Phil	Assistant Professor	Mathematics	0.1	-
32	Mrs.R.Jaya	M.Sc.,M.Phil	Assistant Professor	Mathematics	7.6	-
33	Mr.I.Athal	M.Sc.,M.Phil	Assistant Professor	Mathematics	13.2	-
34	Mr.M.Magudeskumar	M.Sc.,M.Phil	Assistant Professor	Mathematics	5.0	-

11. **List of senior visiting faculty** – Nil

12. **Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty** Nil

13. **Student –Teacher Ratio : 15:1**

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Sl. No	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1	Administrative staff	1	1
2	Attender	1	1

15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ Mphil / PG.**

Qualification	Number of Faculty Members
Ph.D.	9
M.Phil	24

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil

17. **Departmental projects funded by DST – FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil

18.   Research Centre /facility recognized by the University: Nil

19. Publications:
∗   a) Publication per faculty: 2.79
∗   Number of papers published in peer reviewed journals (national /international) by faculty and students

Sl.No.	No. of Publications in National Journal	No. of Publications in International Journal	If any made by Students
1.	-	95	-

∗   Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)

Sl. No.	No. of Publications	Listed in
1.	53	Scopus
2.	42	Others

∗   Monographs: Nil
∗   Chapter in Books/ Books Edited: Nil
∗   Books with ISBN/ISSN numbers with details of publishers: Nil
*   Publications:

Sl. No.	Name of the Faculty	Citation Index	SNIP	SJR	h-index	i 10 index	Impact Factor	Publication in Inter'l Database
1	Dr.V.Seerengasamy	1	----	----	1	----	----	5
2	Dr. R.Muthuraj	264	9.642	5.677	9	8	12.814	20
3	Dr. A. Nagarajan	12	----	----	1	1	----	3
4	Dr.R. Satheeskumar	----	----	----	----	----	----	5
5	Mr.M.S.Muthuraman	29	----	----	3	----	----	2
6	Mrs.N.RamilaGandhi	----	----	----	----	----	----	5
7	Dr. M. Sridharan	42	----	----	4	----	----	2
8	Dr.K. Thiagarajan	15	----	----	1	1	----	10
9	Mr.R. Udhaya kumar	3	0.373	0.234	1	----	----	2
10	Dr. K.H.Manikandan	7	0.853	0.335	1	----	1.227	3
11	Mr. R. Sundararajan	----	----	----	----	----	----	3
12	Mrs.S.Krishnaprabha	2	1	3	1	----	0.987	9
13	Mrs. M. Prabha	----	----	----	----	----	----	1
14	Mr. P. Uthayakumar	----	----	----	----	----	----	1
15	Mrs. S. Devi	----	----	----	----	----	----	1
16	P. Vijayalakshmi	----	----	----	----	----	----	1
17	Mrs. R. K. Selvi	10	----	----	1	----	----	1
18	Mrs. Meenakshi	----	----	----	----	----	----	4
19	Mrs. Kailasavalli	----	1	1	----	----	0.968	7
20	Mrs.G. Santhameena	----	----	----	----	----	----	1
21	Mrs. C.Yamini	----	----	----	----	----	----	1
22	Mrs.A.Sasirekha	4	----	----	1	----	----	6
23	Mrs.J.Femila Mercy Rani	----	----	----	----	----	----	3
24	Mr.S.Basheerahamed	----	----	----	1	----	----	1
25	Mrs.D. Duraiaruldurgadeavi	----	----	----	----	----	----	1

26	Ms.V. Seethalakshmi	----	----	----	----	----	----	1
27	Dr. G. Sabarinathan	5	----	----	2	----	----	3
28	Dr.K.V. Geetha	129	3.091	2.169	3	3	1.266	6
29	Mrs. Navaneetham	----	1.44	0.42	----	----	0.696	5

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

SL. No.	Name of the Faculty	National/I'national/Editorial Board member
1.	Dr. R.Muthuraj	
2.	Dr.K. Thiagarajan	Reviewer
3.	Dr.K.V. Geetha	

22. Student projects: Nil

23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the department: Nil

25.Seminars/ Conferences/Workshops organized & the source of funding
   a) National Conference

S.No	Event	Period	Resource Person	Source of funding
1	National conference on Modern Aspects of Theoretical and Applied Mathematics (two day programme)	09-04-2015 and 10-04-2015	Dr. P. Tamil Selvan Dr. V. Siddheswar Dr.R. Venkateswaran Dr. K. Veeramani Dr. V. Swaminathan Dr. S. Jeyabharathi	Self

b) International: Nil

26. Student profile programme/course wise:

Year	Name of the Programme	Application received	Selected	passed	Pass percentage
2012-13		1100	1030	712	69.12
2013-14	B.E/B.Tech (I Year)	1250	1145	693	60.52
2014-15		1500	1369	849	62.01
2015-16 (odd)		1550	1416	827	58.40

27. Diversity of Students: Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: Nil

29. Student progression: Nil

30. Details of Infrastructural facilities
a) Library

Department	Mathematics
No.of Volumes Available	1100
No.of Titles Available	100

b) Internet facilities for Staff & Students: WIFI enabled in the entire campus

c) Class rooms with ICT Facility

Rooms	No. of Rooms	Facilities available
Lecture Rooms	25	WIFI enabled LCD Projector available

d) Laboratories: Nil

31. Number of students receiving financial assistance from college, university, government or other agencies: 1500

32. Details on student enrichment programmes (special lectures / workshops/seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning: Black board teaching, LCD projector presentation

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future plans

Strengths
- 9 out of 30 faculty members' posses Ph.D Qualification and rest of them are pursuing Ph.D. programme.
- Most of the faculty members have more than 15 years of teaching experience and all faculty members can give individual attention to the students.
- The faculty members have produced good number of publications with impact factor and they are guiding some students leading to Ph.D.

Weaknesses
- Inadequate communication skills.

Opportunities
- Locational advantage for strengthening academic skills.
- Students can improve their knowledge in Mathematics there by their engineering skills may further be developed.

Challenges
- Providing resources for marginalized students.
- Generation of resources for upgradation of infrastructure.

Future Plan
- Help the students to increase their quantitative aptitude skills so that, they can get through campus interview conducted by the various companies either in on campus or off campus.
- Department plans to get research centre in near future under Anna University, Chennai.

EVALUATIVE REPORT
DEPARTMENT OF PHYSICS

1. **Name of the department:** Physics

2. **Year of Establishment :** 1984

3. **Names of Programmes / Courses offered (PG):**   NIL

4. **Names of Interdisciplinary courses and the departments/units involved :**   NIL

5. **Annual/ semester/choice based credit system (programme wise):**
   Semester

6. **Participation of the department in the courses offered by other departments**

Semester	Interdisciplinary Course	Departments Involved
III	Environmental Science and Engineering	Civil, ECE, EEE,CSE,IT
V	Environmental Science and Engineering	Mechanical

7. **Courses in collaboration with other universities, industries, foreign institutions, etc :** NIL

8. **Details of courses/programmes discontinued (if any) with reasons :** NIL

9. **Number of Teaching posts**

	Sanctioned	Filled
Professors	03	03
Associate Professors	02	02
Asst. Professors	12	12

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.G.Natarajan	Ph.D.	Professor	Archeo-Magnetism	31.5	NIL
Dr.K.Jeyalakshmi	Ph.D.	Professor	Thin Films	18.7	NIL
Dr.M.Thangaraj	Ph.D.	Professor	Crystal Growth	17.7	NIL

Dr.A.Karuppasamy	Ph.D.	Associate Professor	Thin Films & Nano materials	5.8	NIL
Dr.K.Subramani	Ph.D.	Associate Professor	Crystal Growth &NLO Properties	14.8	NIL
Mr. K.Kathiresan	M. Phil	Asst. Professor	Thin film	8.7	NIL
Mr.R.Venkatesh	M. Phil	Asst. Professor	Applied Physics	10.6	NIL
Mrs.N.Vellachi	M. Phil	Asst. Professor	Electronics	8.7	NIL
Mr.S.Rajavelu	M. Phil	Asst. Professor	Chemical Physics	10.7	NIL
Mr.Sales Amalraj	M. Phil	Asst. Professor	Thin film	8.2	NIL
Mr.R.Karthick	M. Phil	Asst. Professor	Magnetic materials	7.8	NIL
Mr.P.Raja	M. Phil	Asst. Professor	Nano-Physics	3.3	NIL
Mrs.A.Sajitha Banu	M. Phil	Asst. Professor	Smart Materials	10.7	NIL
Dr.S.Gowri Shankar	Ph.D.	Asst. Professor	Thin films	1.8	NIL
Mrs.R.Poornashri mathangi	M. Phil	Asst. Professor	Crystal growth	7.9	NIL
Dr.D.Lalitha	Ph.D.	Asst. Professor	Quantum Physics	5.10	NIL
Dr.P.Jegatheesan	Ph.D.	Asst. Professor	Thin Films	2.3	NIL

11. List of senior visiting faculty - NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty - NIL

13. Student -Teacher Ratio: 15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1	Administrative	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty Members
Ph.D.	08
M.Phil	09

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received - NIL

18. Research Centre /facility recognized by the University: NIL

19. Publications:

* a) Publication per faculty – 2.6
* Number of papers published in peer reviewed journals (national / international) by faculty and students: 26

Sl.No.	No. of Publications in National Journal	No. of Publications in International Journal
1	1	25

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Sl. No.	No. of Publications	Listed in
1	13	SCI & Scopus
2	13	Others

* Monographs If any: NIL
* Chapter in Books/ Books Edited: NIL
* Books with ISBN/ISSN numbers with details of publishers :

Sl.No.	Title of the Book	Publisher Name & Year
1	Engineering Physics by Dr. G. Natarajan	Sri Krishna Publications, 2005

Sl.No.	Name of the Faculty	h-index	citation Index	SNIP	SJR	Impact Factor	Publications in International database
1	Dr.G.Natarajan	-	-	-	-	-	3
2	Dr.K.Jeyalakshmi	3	43	4.216	3.336	2.950	4
3	Dr.M.Thangaraj	1	2	2.084	1.122	3.785	5
4	Dr.A.Karuppasamy	7	276	2.884	1.826	5.654	2
5	Mr. K.Kathiresan	-	-	-	-	-	2
6	Mr.R.Venkatesh	-	-	-	-	-	2
7	Mrs.N.Vellachi	-	-	-	-	-	2
8	Mr.S.Rajavelu	-	-	-	-	-	2
9	Mr.Sales Amalraj	1	2	3.069	3.641	5.913	3
10	Mr.R.Karthick						1
11	Dr.S.Gowri Shankar	4	49	8.524	6.524	8	-
12	Dr.P.Jegatheesan	6	105	7.224	6.318	7	-
13	Dr.D.Lalitha	2	6	2.654	2.509	3.4	-

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards

SL. No.	Name of the Faculty	I'national Board member
1	Dr.G.Natarajan (Reviewer)	Material science and Material in electronics
2	Dr.A.Karuppasamy (Reviewer)	Material chemistry and physics

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies - Nil

23. Awards / Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National: Nil   b) International: N i l

26. Student profile programme/course wise:

Year	Name of the program	Application received	Number of students appeared	Number of students passed	Pass percentage
2012-13	B.E/ B. Tech	1100	1030	712	69.12
2013-14		1250	1145	693	60.52
2014-15		1500	1369	849	62.01
2015-16		1550	1416	827	58.40

27. Diversity of Students: Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

29. Student progression: Nil

30. Details of Infrastructural facilities

a) Library

Department	Physics
No.of Volumes Available	330
No.of Titles Available	150

b) Internet facilities for Staff & Students

The campus has 24 hours internet facility with 256 mbps (1:1) connectivity through dedicated leased line. Our institution is equipped with digital library to improve the operational efficiency and overall productivity of the students. Intranet facility used to monitor student's attendance and internal assessment. Students can access e journals, Lecture notes, Question banks and video tutorials through PSNA digital Library.

c) Class rooms with ICT Facility

Rooms	No. of rooms	Facilities Available
Lecture rooms	25	Wi-fi and LCD projectors are enabled

d) Laboratories

S.No	Name of the lab	Area of the Lab	Practical's Conducted	list of major equipments
1	Physics	Length- 14.76 m Breadth-15.38 m Area -227Sq. m	Physics lab I & II	Spectrometer Torsional Pendulum Carey Foster Bridge Ultrasonic interferometer PN- junction diode kit Numerical aperture Sodium vapour lamp Lee's disc apparatus Mercury vapour lamp

31. Number of students receiving financial assistance from college, university, government or other agencies: 1500

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Nil

33. Teaching methods adopted to improve student learning
- Lecture (Using black board)
- Power point Presentation
- Exhibiting Models and Charts.
- Group Discussion

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl.No	No. of students participated	YRC	NSS	Free Eye Camps
1	80			Free eye camp
2	25		Free food camp (Annadhanam)	
3	50	Inaugural function-12th September 2012-lecture on "Awareness on First Aid"		
4	50	Inaugural function-10th October 2014-lecture on "Fire prevention methods"		
5	50	Welfare program on 1st March 2015		

35. SWOC analysis of the department and Future plans

Strengths
- Qualified faculty members and well equipped laboratory available.
- Strong basic knowledge has been thought to make the students to shine in their own discipline in future career.

Weaknesses
- Need to concentrate more with research activities.

Opportunities
- Creating good opportunities for students to enrich their knowledge using well equipped lab and experienced faculty members.

Challenge
- As Change in the medium of instruction is the greatest challenge for the students from rural background
- As immediate entry from school level to college level studies,,a great task is adhered to make the students to get adopted.

Future Plan
- To obtain research centre to carryout good research activities.
- To publish more number of articles in reputed journals.
- Planning to get research projects from DST

<div align="center">

EVALUATIVE REPORT
DEPARTMENT OF CHEMISTRY

</div>

1. **Name of the department:** Chemistry

2. **Year of Establishment :** 1984

3. **Names of Programmes / Courses offered (PG) :** NIL

4. **Names of Interdisciplinary courses and the departments/units involved**   NIL

5. **Annual/ semester/choice based credit system (programme wise)**
   Semester

6. **Participation of the department in the courses offered by other departments**

Semester	Interdisciplinary Course	Departments Involved
III	Environmental Science and Engineering	Civil, ECE, EEE,CSE,IT
V	Environmental Science and Engineering	Mech

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**   NIL

8. **Details of courses/programmes discontinued (if any) with reasons**
   NIL

9. **Number of Teaching posts**

	Sanctioned	Filled
Professors	02	02
Associate Professors	03	03
Asst. Professors	09	09

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 Years
Dr. K. Vijaya	M.Sc., PhD	Professor	Physical Chemistry	28.5	Nil
Dr.N.Rajendran	M.Sc., PhD	Professor	Organic Chemistry	43.5	Nil

Dr. T.Rajendran	M.Sc., M.Phil., PhD	Professor	Photochemistry	37.3	Nil
Dr. S. Anuradha	M.Sc., M.Phil., PhD	Associate Professor	Chemistry	9.4	Nil
Mr.R.Sivakumar	M.Sc.,M.Phil.,	Associate Professor	Chemistry	21.2	Nil
Mr.K.Karthigaivel	M.Sc.,M.Phil.,	Associate Professor	Industrial Chemistry	15.4	Nil
Mr. N. Narendran	M.Sc.,M.Phil.	Assistant Professor	Chemistry	13.6	Nil
Ms. T.S.R.Uma mageswari	M.Sc.,M.Phil.,	Assistant Professor	Industrial Chemistry	12	Nil
Dr. V. Prathipa	M.Sc., M.Phil., PhD	Assistant Professor	Chemistry	8.5	Nil
Ms.D.Gnanasangeetha	M.Sc.,M.Phil.,	Assistant Professor	Chemistry	5.9	Nil
Ms.Ignatius Navis Karthika	M.Sc.,M.Phil.,	Assistant Professor	Chemistry	6	Nil
Ms. N. Srividhya	M.Sc.,M.Phil.,	Assistant Professor	Environmental Chemistry	6.11	Nil
Dr. K. Kavipriya	M.Sc.,M.Phil., PhD	Assistant Professor	Corrosion Chemistry	1.10	Nil
Ms. A. Kavitha	M.Sc.,M.Phil.,	Assistant Professor	Chemistry	9.3	Nil

11. List of senior visiting faculty - NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty - NIL

13. Student -Teacher Ratio : 15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1	Technical	1	1
2	Administrative	1	1

15.Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty Members
Ph.D.	06
M.Phil	08

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sl. No.	Name of the Project **DST-PROJECT**	Name of the Funding Agency	Name of the Project Investigator	National / International	Total Grant Received
1	Economic empowerment of rural women of Dindigul block (Tamil nadu state) through natural dyeing technology	Science for equity, empowerment and development division-New Delhi	Dr.S. Anuradha Associate Professor	National	Recommended for financial assistance

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received –Rs. 47, 39,000 (DST)

18. Research Centre /facility recognized by the University NIL

19. Publications
* a) Publication per faculty – 8.57
* Number of papers published in peer reviewed journals (national / international) by faculty and students

Sl.No.	No. of Publications in National Journal	No. of Publications in International Journal	If any made by Students
1	02	19	NIL

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Sl. No.	No. of Publications	Listed in
1.	12	Scopus
2.	9	Web of Science
3.	99	Others

* Monographs If any NIL
* Chapter in Books/ Books Edited NIL
* Books with ISBN/ISSN numbers with details of publishers NIL

Sl. No.	Name of the Faculty	Citation Index	SNIP	SJR	h-index	Impact Factor	Publication in Inter'l Database
1	Dr.K.Vijaya	9	0.984	0.435	1	2.24	-
2	Dr. T.Rajendran	752	28.5364	28.2543	14	91.965	06
3	Dr. S. Anuradha	31	3.538	2.055	1	6.12	3
4	Ms.T.S.R.Uma mageswari	8	1.79	0.925	01	1.7	4
5	Dr. V. Prathipa	81	1.258	0.492	05	1.1	2
6	Ms.D. Gnanasangeetha	84	1.79	0.925	03	1.9	3
7	Ms.Ignatius Navis Karthika	3	1.258	0.492	1	0.5	2
8	Dr.K. Kavipriya	24	0.598	0.209	03	-	1

20. Areas of consultancy and income generated   Nil

21.Faculty as members in
a) National committees b) International Committees c) Editorial Boards

SL. No.	Name of the Faculty	National/I'national/Editorial Board member
1.	Dr.V.Prathipa	Editorial Board

22. Student projects
a) Percentage of students who have done in-house projects including inter departmental/programme - Nil
b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies – Nil

23. Awards / Recognitions received by faculty and students   Nil

24. List of eminent academicians and scientists / visitors to the department

S.No	Name of Resource Person	Designation	Organization	Date of Visit
1	Dr.VijayaMohanan K.Pillai	Director	CECRI	23th&24th Feb 2012
2	Prof.Dr.A.B. Mandal	Director	CLRI	24th &25th July 2014

25. Seminars/ Conferences/Workshops organized & the source of funding
a) National

S.No	Event	Period	Resource Person	Source of funding /Rs
1	Seminar	23th&24th Feb 2012	Dr.VijayaMohanan K.Pillai	CSIR/ 50,000/-
2	Seminar	24th &25th July 2014	Prof.Dr.A.B. Mandal	DST/50,000/-

b) International NIL

26. Student profile programme/course wise:

Year	Programme	Application	Appeared	Pass	Pass%
2012-13		1100	1030	712	69.12
2013-14		1250	1145	693	60.52
2014-15	B.E/B.Tech	1500	1369	849	62.01
2015-16		1550	1416	827	58.40

27. Diversity of Students Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA

29. Student progression NA

30. Details of Infrastructural facilities
   a) Library

Department	Chemistry
No.of Volumes Available	1176
No.of Titles Available	476

b) Internet facilities for Staff & Students- Wi-fi (256mbps)
c) Class rooms with ICT Facility

Rooms	No. of rooms	Facilities Available
Lecture rooms	25	Wi-fi (256mbps),LCD Projector
Tutorial Rooms	--	--
Seminar hall	---	---

d) Laboratories

S.No	Name of the laboratory	Area of the Lab	Practical's Conducted	list of major equipments
1.	Chemistry	Length- 14.76 m Breadth-15.38m Area -227Sq. m	Chemistry I & II	Conductivity meter pH meter Pontentiometer Flame Photometer Hot air oven Spectrophotometer

31. Number of students receiving financial assistance from college, university, government or other agencies : 1500

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts FOR 4 YEARS

S.No	Event	Period	Resource Person
1.	Seminar/Green Chemistry(MTC-I)	23th&24th Feb 2012	Dr.VijayaMohanan K.Pillai, Director, CLRI
2.	Seminar/ Newer Perspectives in nano and green Chemistry (MTC-II)	24th &25th July 2014	Prof.Dr.A.B. Mandal Director, CECRI

33. Teaching methods adopted to improve student learning
- Lecture (Using black board and PPT)
- Group Discussion
- Video Conferencing

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

SL.NO		Blood donation camps	YRC	Pollution awareness programs	Free Eye Camps	Flood victim relief measure
1.	No. of students participated	80 (Volunteers)			120 (volunteers)	

35. SWOC analysis of the department and Future plans

Strengths
- Faculty with higher qualification like Ph.D., PDF
- Providing good results throughout the semester.
- Well equipped and spacious laboratory.
- Recognized by DST, Govt of India by granting a project regarding Women Empowerment to the fund of Rs 47,39,000/-

Weaknesses
- Not recognized as a research center.

Opportunities
- Good infrastructure and financial assistance provided by the Management.
- Since 80% of the faculty members are with Ph.D and about to complete Ph.D, the department will emerge as a potential research and development center in future.

Challenges
- To produce 100% result.
- Successful completion of the project entitled "Economic Empowerment of Rural Women of Dindigul Block Tamil Nadu through Natural Dyeing Technology'' for the welfare of the down trodden women residing in various villages in and around Dindigul District.

Future plans
- To take efforts for making our department a recognised research center.
- To carry out innovative funded projects.
- Conduct of National/International Seminars of high quality there by making the student Community to realize the importance of science and Engineering.
- Interdisciplinary project work leading to innovations in science and Technology by collaborating with the department of Civil Engineering & Mechanical Engineering.

EVALUATIVE REPORT
DEPARTMENT OF ENGLISH

1. **Name of the department:** English

2. **Year of Establishment:** 1984

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., IntegratedMasters; Integrated Ph.D., etc.):** NIL

4. **Names of Interdisciplinary courses and the departments/units involved:** NIL

5. **Annual/ semester/choice based credit system (programme wise)**
   Semester

6. **Participation of the department in the courses offered by other departments**

Semester	Interdisciplinary Course	Departments Involved
VI	Placement class	IT
V	Communication and Soft skills Laboratory	EEE, BME, CIVIL
VI	Communication and Soft skills Laboratory	ECE, MECH, CSE, IT
I	Written Communication	MBA
III	Professional Skill Development Laboratory	MBA
I	Communication Skills Laboratory	MCA

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:** NIL

9. **Number of Teaching posts**

	Sanctioned	Filled
Professors	1	1
Associate Professors	2	0
Asst. Professors	8	17

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)Faculty is not guiding any scholars at present.**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Joseph Thomas	Ph. D	Prof.&Head	English Literature	46
V. Chithra Devi	M.A., M.Phil	Asst.Prof	English Literature	10
G. Vijay	M.A., M.Phil	Asst.Prof	English Literature	10
S.Manimekalai	M.A. M.Phil	Asst.Prof	English Literature	9
A.Joseph Lourdu Rajah	M.A. M.Phil	Asst.Prof	English Literature	6
P.Elizabeth Kalpana	M.A. M.Phil	Asst.Prof	English Literature	7
N. Shabnam Niher	M.A. M.Phil	Asst.Prof	English Literature	3
M.K.Subashini	M.A. M.Phil	Asst.Prof	English Literature	2
P. Catherine Benita	M.A M.Phil.	Asst.Prof	English Literature	2
N. Chandrasekar	M.A. M.Phil	Asst.Prof	English Literature	2
S.Viji	M.A M.Phil.	Asst.Prof	English Literature	1.5
A.Visva sangeetha	M.A. M.Phil	Asst.Prof	English Literature	7
A.Hajira Banu	M.A. M.Phil	Asst.Prof	English Literature	11
S. Kayalvizhi	M.A. M.Phil	Asst.Prof	English Literature	5
S.Brindha Raghavee	M.A. M.Phil	Asst.Prof	English Literature	1
J.Hemamalini	M.A. M.Phil,SET	Asst.Prof	English Literature	8.5
N.M.Sri. Prasannan	M.A. M.Phil	Asst.Prof	English Literature	10
S.Sakthivel	M.A. M.Phil	Asst.Prof	English Literature	6

11. List of senior visiting faculty - NIL

12. Percentage of lectures delivered and practical classes handled (programme wise)by temporary faculty- NIL

13. Student -Teacher Ratio : 15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No	Type of the Supporting Staff (Technical / Administrative)	Sanctioned	Filled
1	Administrative supporting staff	1	1
2	Academic technical staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty Members
Ph.D.	1
M.Phil	17

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received- NIL

18. Research Centre /facility recognized by the University- NIL

19. Publications

a) Publication per faculty = 3

b) Number of papers published in peer reviewed journals (national / international) by faculty and students

Sl.No.	No. of Publications in National Journal	No. of Publications in International Journal	If any made by Students
1	6	33	NIL

c) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Sl. No.	No. of Publications	Listed in
1	1	Scopus

d) Monographs If any: NIL

e) Books with ISBN/ISSN numbers with details of publishers: NIL

Publications:

Sl. No.	Name of the Faculty	Citation Index	SNIP	SJR	h-index	Impact Factor	Publication in Inter'l Database
1	Dr. Joseph Thomas	-	-	-	-	0.82	6
2	V. Chithra Devi	-	-	-	-	1.28	8
3	G. Vijay	-	-	-	-	0.73	3
4	S.Manimekalai	-	-	-	-	0.62	7
5	P.Elizabeth Kalpana	-	-	-	-	1.28	1
6	N.Shabnam Niher	-	-	-	-	0.89	4
7	M.K.Subashini	-	-	-	-	1.24	2
8	P. Catherine Benita	-	-	-	-	1.62	3
9	N. Chandrasekar	-	-	-	-	0.23	1
10	S.Viji	-	-	-	-	1.62	1
11	A.Visva Sangeetha	-	-	-	-	1.62	1

20.Areas of consultancy and income generated: NIL

21.Faculty as members in
a) **National committees b) International Committees c) Editorial Boards…. :** NIL

22. Student projects
a) **Percentage of students who have done in-house projects including inter departmental/programme:** NIL

b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies-** NIL

c) **Please provide the details about internships through placement here for last 4 academic years:** NIL

23. Awards / Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists / visitors to the department

S.No	Name of Resource Person	Designation	Organization	Date of Visit
1	Dr.N.Nedumaran,	Rtd, Professor and Head	American College, Madurai	27.09.12
2	Prof.G.Bala Krishnan	Former Vice Principal	St.Joseph's College - Trichy	25.09.13
3	Mr. Ian Cowley	Global Business Manager, English Language Assessment.	Cambridge University	13.05.14
4	Dr. Jayanthasri Balakrishnan	Professor	PSG College of Arts and Science	14.02.14
5	Prof. Sathuvalli Mohanraj	Dean	School of English Language Teaching, Hydrabad	17.04.15
6	Prof. Jayashree Mohanraaj	Head	School of English Language Teaching, Hydrabad	17.04.15
7	Prof. Meenakshi Sundaram	Professor	NIT, Trichy	18.04.15
8	Prof. A. Joseph Dorairaj	Professor	Gandhigram University, Gandhigram	18.04.15

25. Seminars/ Conferences/Workshops organized & the source of funding a) National

S.No	Event	Period	Resource Person	Source of funding
1	National Conference on Road Not Taken	27.09.2012	Dr.N.Nedumaran American College, Madurai	PSNACET
2	National Seminar on New Vistas in ELT: Empowering Engineers for Employment	17.04.15-18.04.15	1.Prof. Sathuvalli Mohanraj 2.Prof. Jayashree Mohanraaj 3.Prof. Meenakshi Sundaram 4.Prof. A. Joseph Dorairaj	PSNACET
3	National Conference on Workplace Communication	25.09.13	Prof.G.Bala Krishnan, Former Vice Principal St.Joseph's College -Trichy	PSNACET

b) International: Nil

26. Student profile programme/course wise:

Year	Name of the Programme	Application received	Selected	passed	Pass percentage
2012-13	B.E/B.Tech (I Year)	1100	1030	712	69.12
2013-14		1250	1145	693	60.52
2014-15		1500	1369	849	62.01
2015-16 (odd)		1550	1416	827	58.40

27. Diversity of Students:NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: NIL

29. Student progression: NIL

30. Details of Infrastructural facilities
a) Library

Department	ENGLISH
No.of Volumes Available	363
No.of Titles Available	184

b) Internet facilities for Staff & Students: WIFI enabled campus.

c) Class rooms with ICTFacility:

ROOMS	NO. OF ROOMS	FACILITYAVAILABLE
Lecture Halls	25	WI FI LCD Projector

d) Laboratories

S.No	Name of the laboratory	Area of the Lab	Practicals conducted	List of Major equipments
1	Communication and Soft Skills Laboratory	362.60 sq.m/ 3903.06 sq	Communication Skills Laboratory	PIV system
				1 GB RAM/40 GB HDD
				OS: WI 2000 SERVER
				JRE 1.3
				CLIENT SYSTEM
				PIII OR ABOVE
				256 or 512 MB RAM ,
				GB HDD
				OS: WIN 2000
				AUDIO CARD WITH HEADPHONES
				JRE 1.3
				HANDICAM
				Television - 46"
				Collar mike
				Cordless mikes
				Audio Mixer
				DVD Recorder / Player

31. Number of students receiving financial assistance from college, university, government or other agencies: 1500

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts
FOR 4 YEARS

S.No	Event	Period	Resource Person
1.	National Conference on Workplace Communication	25.09.13	Prof.G.Bala Krishnan, Former Vice Principal St.Joseph's College -Trichy
2.	Motivational Talk on Don't Talk , Communicate	14.02.2014	Dr. Jayanthasri Balakrishnan Professor, PSG College of Arts and Science
3.	National Seminar on New Vistas in ELT: Empowering Engineers for Employment	17.04.15-18.04.15	1.Prof. Sathuvalli Mohanraj 2.Prof. Jayashree Mohanraaj 3.Prof. Meenakshi Sundaram 4.Prof. A. Joseph Dorairaj

33. Teaching methods adopted to improve student learning:
- Skill Based Language Teaching-LSRW
- Inductive Grammar Teaching- Examples to Theory
- Communicative Skills Approach- English for Daily Conversation and Business Purpose

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: NIL

35. SWOC analysis of the department and Future plans:
Strengths
- A team of committed and dedicated teachers.
- Consistency in producing good results.
- Publications of articles in leading national and international journals.
- Innovative teaching methodologies.
- Training the students to become trailblazers and achieve great heights in the cosmos.
- Well equipped laboratory.

Weaknesses
- Lack of research activities

Opportunities
- Presentation of papers by faculty and participation in national and international conferences/seminar/workshops.
- Enhancing LSRW of the students through Club activities

Challenges
- Placing eligible students in leading corporate/companies.
- Moulding the rural students into full-fledged employable engineers.

Future Plans
- To elevate the department to the rank of ELT research center.
- Motivating the Faculty members to pursue PhD
- Every year the following programme will be conducted:
  i) FDP in Effective communication
  ii) Achieving 100% placements.
  iii) Regular special remedial classes for Tamil medium students.

PSNA

College of Engineering and Technology

(Approved by AICTE, Accredited by National Board of Accreditation, New Delhi
& Affiliated to Anna University, Chennai)
Best Engineering College Award - 2007 by ISTE, New Delhi

Estd : 1984

TRUST IN GOD

'Kalvi Thanthai'
Thiru. R.S. Kothandaraman
Founder

Dr. V. Soundararajan B.E., M.E., Ph.D.,
Principal

Date: 02.08.2016

DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that the data included in this Self Study Report are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution with seal

PSNA

College of Engineering and Technology

(Approved by AICTE, Accredited by National Board of Accreditation, New Delhi
& Affiliated to Anna University, Chennai)
Best Engineering College Award - 2007 by ISTE, New Delhi

Estd : 1984

'Kalvi Thanthai'
Thiru. R.S. Kothandaraman
Founder

Dr. V. Soundararajan B.E., M.E., Ph.D.,
Principal

Date: 02.08.2016

CERTIFICATE OF COMPLIANCE

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that PSNA College of Engineering and Technology fulfils all norms

1.   Stipulated by the affiliating University and/or

2.   Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and

3.   The affiliation and recognition [if applicable] is valid as on date.

        In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

        It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

        In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: Principal/Head of the Institution

Place:

(Name and Signature with Office seal)

Main Building

Civil & Mechanical Block
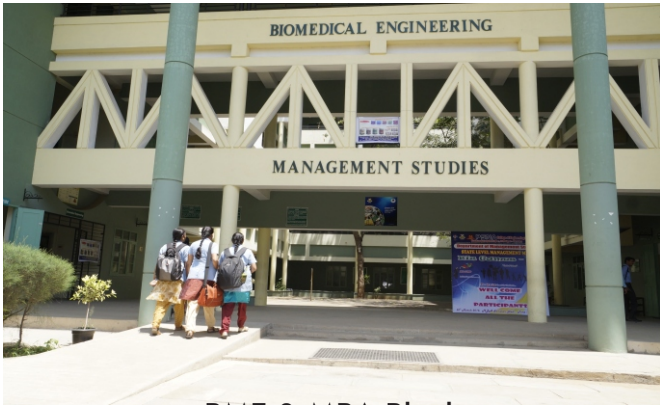
BME & MBA Block

EEE Block

Central Library Block

New Gents Hostel

PSNA

College of Engineering and Technology

Kothandaraman Nagar, Dindigul 624 622. Tamil Nadu, India
Tel: 0451 2554 032 / 2554 262 Fax: 0451 2554 249
Email: contact@psnacet.edu.in / principal@psnacet.edu.in
URL: www.psnacet.edu.in

TRUST IN GOD

PSNA
COLLEGE OF
ENGG. & TECH.
DINDIGUL.

Estd : 1984

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Unabated Academic Excellence