



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	P S N A COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Dr. D. Vasudevan
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04512554404
Mobile no.	9443163841
Registered Email	principal@psnacet.edu.in
Alternate Email	contact@psnacet.edu.in
Address	Kothandaraman Nagar, Muthanampatti
City/Town	Dindigul
State/UT	Tamil Nadu
Pincode	624622

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. P. Jaganathan
Phone no/Alternate Phone no.	04512554418
Mobile no.	9486949875
Registered Email	hodmca@psnacet.edu.in
Alternate Email	iqac@psnacet.edu.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://psnacet.edu.in/naac2018.php
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	http://psnacet.edu.in/psna_aca_cal.html

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.17	2017	22-Feb-2017	21-Feb-2022

6. Date of Establishment of IQAC	02-Jul-2016
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7. Internal Quality Assurance System		
Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Quality Enhancement through self Evaluation For Faculty	05-Apr-2019 1	400

Faculty Development Programme	16-Apr-2019 1	400
News Letter for the Institution - Initiative	12-Nov-2018 1	20
Internal Assessment Audit by IQAC	18-Sep-2018 1	20
Result Analysis and Improvement Strategies	17-Sep-2018 1	20
Internal evaluation test Audit (Formulation and follow up)	20-Aug-2018 1	40
Integrated Campus Management System online Demo for the Heads of the Departments	10-Sep-2018 1	20
Passport Mela for Students & Staff	18-Aug-2018 1	750
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
B.Tech. (IT)	MODROBS	AICTE	2017 3	650000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

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11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Internal evaluation test Audit (Formulation and follow up) Result analysis and strategic planning Internal Assessment Audit by IQAC Annual Quality Assurance Report for 2017 18 Faculty focus '2018

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
(6) To improve reasearch and development by motivationg faculty members to publish articles in Scopus/SCI/WOS Journals	(6) Number of publications is increased as 189 articles in Scopus/SCI/WOS Journals
(5)To improve the internal evaluation system	(5) Internal audit format is revised and implemented
(4).To champion the cause of using alternative energy particularly the Solar energy.	(4).Solar power energy plants are being installed to meet out 10% of total energy required for the institution.
(3) Preparation ofAnnual Survey Report of Higher Education (AISHE) to be submitted to MHRD,GOI.	(3)Submitted on 20.07.2019.
(2).Propose upgradation of the college Website.	(2).The College Website is updated.
(1). Preparation for AQAR to be submitteed to NAAC in the new online format for the academic year 20182019.	(1).The IQAC has prepared the AQAR for the year 201819 and submitted.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body Meeting	27-Jul-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2018

Date of Submission

19-Feb-2018

<p>17. Does the Institution have Management Information System ?</p>	<p>Yes</p>
<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>Ospyns Ecoleaide - A 21st century Institution Management System, specially designed to automate the manual educational processes. It offers actionable insights to all the stakeholders across student performance, staff management, leave management, fee management for informed decisionmaking and proper functioning of the institution. The following activities will be carried out under Student module they are student profile creation, promotion Transfer, roll generation, Group generation, Course completion, roll and group search. Under the Staff module, the following submenus are presented they are staff profile creation and staff feedback. Under the Attendance module, the following activities will be carried out they are Attendance entry, special attendance, view attendance, pending attendance and attendance entry status. Under the Evaluation module Series test and university mark entries are available. In the feedback menu, bulk feedback can be assigned. Under the Transportation menu, passenger details, vehicle details, Routes and trips are available. Under the Hostel module, Hostel rooms, room allocation, room vacate, movement registers are available. Under the Report menu, Student report such as student analysis report, portal login history, Student custom report can be taken. From the Staff report menu, staff custom report can be viewed. From the Attendance report, Special attendance, subject attendance, class wise attendance can be checked. Under the Evaluation report, Class progress, Evaluation custom report can be monitored. From the Feedback report, feedback results, feedback custom report can be taken.</p>

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The students of I, II, & III year of BE programme follow regulation R - 2017 and the students of final year BE follow regulation R - 2013 as prescribed by the Anna university. Academic Calendar of the departments is prepared in the beginning of every semester in line with the academic calendar of Anna university. The department Academic calendar consists of the dates of the serial tests, university practical examinations, theory exams and tentative dates of co-curricular and extracurricular activities such as guest lectures, workshops, training programs, symposiums, club activities and industrial visits. The courses are allotted to the faculty members well in advance by the various heads of the departments based on the teacher's preference and subject expertise. In turn the faculty members prepare the lesson plan, course file, course material and lab manuals well before the semester begins to the heads of the departments concerned for scrutiny. Class time tables are prepared and displayed in department notice boards, class rooms and college web portal. After the commencement of semester, the lessons are covered as per the lesson plan and the same is reviewed by the hods once in a month through the class records and interactions with faculty members and students. Senior faculty members serve as the class coordinator for all classes. Class coordinators sort out the academic problems faced by the students. Class coordinators coordinate the students for curricular activities and make sure that the students are disseminated with the necessary information. Every semester, standard books are identified for all the subjects by the subject handling faculty and are issued to all students. The pass percentage in the serial tests serves as a guideline for the faculty members to ensure the degree to which the students are able to understand the subjects. Accordingly, the faculty members plan their content delivery. The slow learners are identified based on the performance in the class tests and the serial tests. The special time table is prepared to conduct the special coaching classes for the weaklings. All the class rooms are equipped with multimedia projectors and screens so that. The faculty members use ICT for technology embedded effective teaching. Charts, working models and teaching aids are used in the classrooms and laboratories in order to enable the students learning better. The new technologies and techniques are imparted to the students by the subject experts. Apart from class room teaching, students are engaged in group discussions, seminars and peer learning towards their placement preparation. Subjects involving mathematical problems are provided with necessary tutorial classes. Each class room is designed with sufficient ventilation, lighting, and space to accommodate students and ensures effective teaching learning. The departments also have separate tutorial rooms which are used for student community to solve mathematical problems. Each class room is equipped with the Wi-Fi facility. Laboratory manuals are prepared by the faculty members well in advance and are given to the students at the time of reopening.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
CCNA	Nil	19/09/2018	2	employability	networking
Workshop on Basic life support	Nil	21/08/2018	1	employability	Life support

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
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No Data Entered/Not Applicable !!!

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	01/01/2018
BE	Mechanical Engineering	01/01/2018
BE	Electronics and communication Engineering	01/01/2018
BE	Electrical and Electronics Engineering	01/01/2018
BE	Computer Science Engineering	01/01/2018
BTech	Information Technology	01/01/2018
BE	Bio-medical Engineering	01/01/2018
ME	Power Electronics & Drives	01/01/2018
ME	Applied Electronics	01/01/2018
ME	Computer Science and Engineering	01/01/2018
ME	Computer Science and Engineering with networks	01/01/2018
ME	VLSI Design	01/01/2018
ME	Structural Engineering	01/01/2018
ME	Engineering Design	01/01/2018
MBA	Management Studies	01/01/2018
MCA	Computer Applications	01/01/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	53	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Hands on training on "LABVIEW an introduction"	19/03/2019	60
Hands on training on "PCB Layout Design etching and soldering the circuits"	14/02/2019	49
Handson training on Critical Care Equipments	12/02/2019	60
Java Project Readiness Program	18/06/2018	138

Four days hands on training programme on robotic process automation	02/07/2019	110
Training certificate program in intelligent systems (IOT), Intel and Face, Bangalore	06/03/2019	64
Block chain principles and crypto currencies	25/01/2019	150
Big data analytics, CDAC, Chennai	24/01/2019	60
A brain storming session on "How to file a Patent in Engineering Innovations	01/09/2018	30
Roots Industries India Limited,CBE Stamping, Injection Moulding Die Casting	13/02/2019	53
Roots Industries India Limited,CBE Stamping, Injection Moulding Die Casting	14/02/2019	50
Roots Industries India Limited,CBE Stamping, Injection Moulding Die Casting	19/02/2019	53
Roots Industries India Limited,CBE Stamping, Injection Moulding Die Casting	20/02/2019	53
Roots Industries India Limited,CBE Stamping, Injection Moulding Die Casting	26/02/2019	53
Roots Industries India Limited,CBE Stamping, Injection Moulding Die Casting	27/02/2019	50
Roots Industries India Limited,CBE Reading and Interpretation of drawing, Geometrical Dimensioning Tolerancing and Metrology.	04/01/2019	56
Roots Industries India Limited,CBE Reading and Interpretation of drawing, Geometrical Dimensioning Tolerancing and Metrology.	05/01/2019	58

Roots Industries India Limited,CBE Reading and Interpretation of drawing, Geometrical Dimensioning Tolerancing and Metrology.	08/01/2019	58
Roots Industries India Limited,CBE Reading and Interpretation of drawing, Geometrical Dimensioning Tolerancing and Metrology.	09/01/2019	57
Roots Industries India Limited,CBE Reading and Interpretation of drawing, Geometrical Dimensioning Tolerancing and Metrology.	10/01/2019	61
Roots Industries India Limited,CBE Reading and Interpretation of drawing, Geometrical Dimensioning Tolerancing and Metrology	11/01/2019	59
Finite Element Analysis using ABAQUS	11/09/2018	20
Foundation in Structural Design (STADD.Pro)	19/11/2018	20
Project Planning and Management using PRIMAVERA	14/02/2019	20
Value Added Course on CAD	08/04/2019	53
EVA 005 Industrial Automation with PLC	19/07/2019	82
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Bio-medical Engineering	1
BE	Computer Science Engineering	69
BTech	Information Technology	33
BE	Mechanical Engineering	9
BE	Electronics and communication Engineering	26
MBA	Business administration	170
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

The department vision, mission and PEO's are circulated in academic, industry and alumni advisory board meetings. Brochures disseminate the vision, mission and PEO's to the employers when they visit the college for recruitment and the prospective students and the same disseminate to the parents in orientation programme during the admission. Vision, mission and PEOs in the brochures of the department are circulated to the stake holders. Mission of the departments is framed to achieve a balanced curriculum and technical activities. The stakeholders meet and discuss the process of formation of mission and vision statements for the department. The following points were raised by the members.

1. Provision of quality education to the students.
2. Training of students to gain a fundamental knowledge of engineering.
3. Promotion of research and development.
4. Encouragement of entrepreneurship qualities.
5. Students encouragement to participate in social activities to learn real time issues.
6. Promotion of students to develop models for a better health care.
7. Bridging the gap between industry and institution.

Students Feedback of teaching learning process and action taken Class committee meetings and online feedback are the main tools used to collect students' feedback. Feedback frequency

- Class committee meeting is conducted after every serial test.
- Class committee meeting is attended by subject handling faculty members, class coordinator, class committee incharge and few students from the respective class.
- The academic and non academic problems of the students are recorded in class committee meetings.
- The faculty online feedback is recorded twice a year, one in the post month of first serial test and another at end of the semester.
- Students use college web portal login to enter the feedback about the faculty who have handled the classes during the specified semester.
- Online feedback is consolidated and sent to higher authorities and the heads of the departments for action taken if necessary.

Feedback Analysis

- The minutes of the class committee meeting are checked by the head of the department and performance of the faculty members are analysed.
- Apart from the class committee meeting, the class coordinator gets the oral feedback from the students for which the actions are taken.

Action Taken The head of the departments check for any scope for improvement in the teaching learning process from the students' feedback in the class committee meetings and informal interactions. Depending on the case, the head of the department may counsel certain faculty members who do not perform better so that the students are positively benefited.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Civil	300	200	160

	Engineering			
BE	Mechanical Engineering	300	376	214
BE	Electronics and Communication Engineering	300	530	274
BE	Electrical and Electronics Engineering	120	90	67
BE	Computer Science Engineering	240	260	230
BTech	Information Technology	180	170	166
BE	Bio-medical Engineering	60	53	53
ME	Engineering Design	18	20	1
ME	Structural Engineering	36	33	33
ME	VLSI Design	36	21	2
ME	Applied Electronics	25	17	9
ME	Power Electronics and Drives	18	4	2
ME	Computer Science Engineering	25	10	5
ME	Computer Science and Engineering with networks	18	10	2
MBA	Business Administration	120	130	89
MCA	Computer Applications	144	39	38
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	5623	407	373	66	439

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
409	409	119	112	26	51150
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

• Faculty mentors are assigned to each student all through the four years. • One mentor is assigned with 15 mentees. • Mentors communicate with the parents regarding the progress of the students. • Mentors also keep track of the mentees' performance during semesters by continuous interaction and the same is communicated to their parents regularly. • MentorStudent meetings are conducted regularly to analyse the performance of the mentees and to understand their problems in the courses, which they study. • Mentors communicate with fellow faculty and promote mentees at the time of difficulty / opportunity to help them to develop further in their areas of interest. • Mentor monitors the attendance of their mentees and ensures that no mentee will have lack of attendance in order to write final University examinations.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
6030	409	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
360	409	Nil	Nil	144

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. T. Muthupandian	Professor	Life Time Achievement Award, GOREA, Hyderabad.
2019	Dr. T. Muthupandian	Professor	International Leading Professor - Marketing Guru RULA, Trichy.
2019	Dr. K . Bhagyalakshmi	Associate Professor	"Dr. A.P.J. Abdul kalam Young Scientist Award" By BOSE SCIENCE SOCIETY (BSS), TNSRO - Tamilnadu Science and Research Organization

2019	Dr. P.S.Venkateswaran	Professor	Best Marketing Faculty Award GOREA, Hyderabad.
2019	Dr. P.S.Venkateswaran	Professor	Distinguished educator Scholar award, NFED, Coimbatore.

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MCA	MCA	EVEN/2019	22/03/2019	22/06/2019
MCA	MCA	ODD/2018	17/10/2018	13/01/2019
MBA	MBA	EVEN/2019	22/04/2019	06/07/2019
MBA	MBA	ODD/2018	17/10/2018	13/01/2019
ME	ED/SE/VLSI/AE /PED/CSE/CSE_NETWORKS	EVEN/2019	22/03/2019	22/06/2019
ME	ED/SE/VLSI/AE /PED/CSE/CSE_NETWORKS	ODD/2018	17/10/2018	13/01/2019
BTech	IT	EVEN/2019	22/03/2019	22/06/2019
BE	CIVIL/MECH/ECE/EEE/CSE/BME	EVEN/2019	22/03/2019	22/06/2019
BTech	IT	ODD/2018	17/10/2018	13/01/2019
BE	CIVIL/MECH/ECE/EEE/CSE/BME	ODD/2018	17/10/2018	13/01/2019

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The following CIE system have been implemented at the institutional level: • After each internal serial test, the test note audit will be carried out by senior faculty members and course coordinators. • Audit report will be submitted to the head of the department. • Based on the report, if the difference in marks is above 7 between the course teacher and the auditor, HoD is asking an explanation from the faculty member concerned and counselled. • The reports are sent to the Principal office and then to IQAC for further analysis. • To improve the serial test result, the students will be advised during class committee and tutor ward meetings. • Series tests questions are set based on Blooms Taxonomy

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Every semester the affiliated university prepares the academic calendar and publish it in university website. The department prepares the academic calendar in accordance with University calendar. The tentative dates of the serial tests

are fixed in accordance with the assessment schedule mentioned in the university calendar. The last dates of the theory and lab classes are also planned accordingly. Apart from the curricular activities, the academic calendar gives the details about professional society activities, symposiums, and industrial visits, implant training, orientation programs value added courses, serial tests, guest lectures, model exams, university practical examinations, and theory examinations schedule, holidays and other important events. Class time table prepared in accordance with the academic calendar and it is displayed in department notice boards and college web site. All the activities are conducted in adherence to the academic calendar.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://psnacet.edu.in/psna_school_engineering.html

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MCA	MCA	Computer Applications	59	46	77.96
MBA	MBA	Business Administration	114	96	86
CSE_NETWORKS	ME	Computer Science and Engineering with Networks	2	2	100
CSE	ME	Computer Science and Engineering	4	4	100
PED	ME	Power Electronics and Drives	3	3	100
AE	ME	Applied Electronics	4	4	100
VLSI	ME	VLSI Design	7	7	100
ED	ME	Engineering Design	1	1	100
SE	ME	Structural Engineering	22	22	100
BME	BE	Bio-medical Engineering	60	58	96.66
IT	BTech	Information	143	125	87.41

		Technology			
CSE	BE	Computer Science and Engineering	241	213	88.38
EEE	BE	Electrical and Electronics Engineering	133	112	84.21
ECE	BE	Electronics and Communication Engineering	277	165	59.56
MECH	BE	Mechanical Engineering	336	218	64.88
CIVIL	BE	Civil Engineering	328	198	60.37
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

www.psnacet.edu.in/feedback.php

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	2	AICTE MODROBS	6.5	6.5
Any Other (Specify)	2	AICTE MODROBS	9.5	9.5
Students Research Projects (Other than compulsory by the University)	1	DST_Texas	0.12	0.12
Students Research Projects (Other than compulsory by the University)	1	TNSCST	0.15	0.15
Major Projects	3	DST	34.68	24.52
Major Projects	1	DST – NIMAT	7.1	1
Major	2	DST – NRDMS	9.5	0

Projects				
Major Projects	3	AICTE	19.14	13.45
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Faculty Upgradation Program on Teacher SelfEfficacy, Skills Perspectives - IBM Bluemix	CSE	26/12/2018
Four Days Training Programme on FPLogistics Management Information System (FPLMIS)	CSE	10/10/2018
One day Workshop on FOSS and Programming	CSE	10/10/2018
One day Workshop on Prototyping of Robots	CSE	25/09/2018
Workshop On Call For CODE	IT	10/09/2018
Orientation programme on IT Trends Opputunities for First Year Students	IT	26/11/2018
One day Workshop on Big Data Analytics	IT	24/01/2019
One day Seminar on Blockchain Principles Crypto Currencies	IT	25/01/2019
One day seminar on Machine learning	IT	04/02/2019
Intel College Excellence program on IoTEEmbedded Development using Up Squared Intel Kit	IT	06/03/2019
Infusing research attitude through patents and designs	EEE	29/04/2019
Planning of design of Muiti village water scheme	Civil Engineering	10/01/2019
Performance of structural constituents	Civil Engineering	07/12/2018
How to start a construction Buisness	Civil Engineering	07/09/2018
Field applications and opportunities of total station training	Civil Engineering	11/09/2018

One day seminar on Patent Registration	ECE	22/05/2019
Short Term Course on Next Generation Wireless Networks	CSE	29/04/2019
One day Workshop on Networking and Opto Technology	CSE	14/03/2019
Tenth National Conference on Next Generation Technologies on Computing and Communication (NGTCC' 19)	CSE	27/02/2019
Faculty Upgradation Program on Enterprise Mobile Application Development using IBM Bluelight	CSE	27/02/2019
Faculty Upgradation Program on Predictive Modelling using IBM SPSS Modeller	CSE	07/01/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Avoidance of Breaches in canals	Dr. T. Hemalatha, P/CSE, Mentor	MHRD Ministry of Water Resources	03/03/2019	Smart India Hackathon 2019 - Software Ed
Heavy Earth Moving Vehicle Monitoring System	V.V.Aravindakshan G.J.Akash Babu S.Sudharshana R.Alagusundar M.I.Abbas Haris Y.Charles	MHRD Ministry of Coal	15/07/2019	MHRD Smart India Hackathon 2019 Hardware Edition
Heavy Earth Moving Vehicle Monitoring System	Dr.D. Arun Prasad, AP / EEE, Mentor	MHRD Ministry of Coal	15/07/2019	MHRD Smart India Hackathon 2019 Hardware Edition
Heavy Earth Moving Vehicle Monitoring System	Mrs N.Sasikala AP/IT Mentor	MHRD Ministry of Coal	15/07/2019	MHRD Smart India Hackathon 2019 Hardware Edition
Avoidance of Breaches in canals	Umar Farook Anitha Sri Anantha Prathipa Mohamed Marjukk Jegadesh K. Swetha	MHRD Ministry of Water Resources	03/03/2019	Smart India Hackathon 2019 - Software Ed
Avoidance of Breaches in canals	Dr. K. Srinivasan, ASP/Civ.,	MHRD Ministry of Water Resources	03/03/2019	Smart India Hackathon 2019 - Software Ed

Mentor

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Civil	5
Mechanical	1
ECE	4
EEE	2
CSE	7
IT	2
BME	1
MCA	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	MBA	5	2.73
International	CIVIL	22	3.2
International	MECHANICAL	32	0.15
International	ECE	10	0.24
International	EEE	7	1.48
International	CSE	26	0.22
International	IT	22	0.79
International	BME	8	0.17
International	MBA	7	3.45
International	MCA	8	0.22
International	MATHEMATICS	27	0
International	PHYSICS	1	0.3
International	CHEMISTRY	3	2.6
International	ENGLISH	11	1.8
No file uploaded.			

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference

Proceedings per Teacher during the year

Department	Number of Publication
CIVIL	17
MECHANICAL	9
ECE	17
CSE	23
IT	4
BME	11
MBA	2
ENGLISH	9
EEE	4
View File	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Modern very fast decision tree model for mining highspeed timeseries data stream	A.Vanitha Katherine, T.Kamalavalli, S.Vinodhini, M.Jaganath and V.E.Jayanthi	International Journal of Engineering and Technology	2018	0	PSNACET	Nil
Numerical Investigation Of Frp Laminate Subjected To Thermal Buckling Using FEM	M. Rajinikanth, S. Jaiganesh, R. Kuppuchamy and R. Muthumeenakshi	International Journal of Mechanical Engineering and Technology	2018	0	PSNACET	Nil
Farmbot a Smart Agriculture Assistor using Internet of Things	Dr. K.Dhanalakshmi	International journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering and Technology PSNA College of Engineering and Technology PSNA College of Engineering and Technology	Nil
Pandemic	Dr. K.Dhanalakshmi	International	2018	0	PSNA	Nil

Disease Detection and Prevention System using Mining with Graph based Approach	analakshmi	ional journal of Pure and Applied Mathematics			College of Engineering and Technology	
An Autonomous IoT Infrastructure for Forest Fire Detection and Alerting System	Dr.T.Hemalatha	International journal of Pure and Applied Mathematics	2018	1	PSNA College of Engineering and Technology	1
Demand Forecasting Of Electricity Consumption Using Dynamic Clustering Of Time Series Data	Dr.S.Pushpalatha	International journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering and Technology	Nil
A Multipath Low Overhead Routing Protocol for Healthcare Industry Under Wireless Sensor Networks	Dr.M.Buvana	Journal of Web Engineering	2018	0	PSNA College of Engineering and Technology	Nil
A Study of Internet of Things on Energy Management	Mr.M.Balasubramani Mrs.C.Sathya Mrs.G.Mariammal Mr.T.Selvakumar	Journal of Advanced Research in dynamical and Control Systems	2018	0	PSNA College of Engineering and Technology	Nil
Feature Selection and	Mr.R.Karthikeyan	Journal of Medical Systems	2018	4	PSNA College of Engineering	4

Parameters Optimization of Support Vector Machines Based on Hybrid Glowworm Swarm Optimization for Classification of Diabetic Retinopathy					g and Technology	
Analysis of optic disk and optic segmentation for identification of retinal diseases.	Dr.J.Benadictraja	Journal of Advanced Research in dynamical and Control Systems	2018	0	PSNA College of Engineering and Technology	Nil
SIBS: Smart Intelligent Braking System to Eliminate Human Perception and Reaction Time using VANET	Dr.P.Gokulakrishnan Mr.K.Suresh	International Journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering and Technology	Nil
A Detailed Survey on SaliencyBased Lesion Segmentation on Detection and Classification Systems Based on Features and Classifiers	Dr.K. Manivannan	International Journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering and Technology	Nil
Performance analysis of	Dr.K. Manivannan	Wiley International Journal of Imaging	2018	0	PSNA College of Engineering and	Nil

meningioma brain tumor classifications based on gradient boosting classifier		System and Technology			Technology	
Removing Speckle Noise in Synthetic Aperture Radar Images using Hybrid Filtering	Dr.D.Suresh Dr.N.Dhanalakshmi Mr.V.Nandakumar	International Journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering and Technology	Nil
SIBS: Smart Intelligent Braking System to Eliminate Human Perception and Reaction Time using VANET	Mr.K.Suresh	International Journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering and Technology	Nil
MSDPARCU :Augmentation of Routing in Multimedia communication Sessions with a stimulated Routing protocol.	Mrs.G.Kirubasri Dr.N.Uma Maheswari	Journal of web engineering	2018	0	PSNA College of Engineering and Technology	Nil
Evaluation of Structural Changes in Iris Due to Glaucoma	Dr.D.M.D.Preethi	Journal of Medical Imaging and Health Informatics	2018	0	PSNA College of Engineering and Technology	Nil
Performance analysis of four stroke twin	Ms.M.Jamunarani C.MerlinMedona K.Gayathree	International Journal of Mechanical Engineering and Tech	2018	0	PSNA College of Engineering and Technology	Nil

cylinder diesel engine by using sunflower fatty acid as bio fuel		nology, Volume 9, issue 11, November 2018, pp. 947953,				
Investigation on Microstructural Examination of Flux Bounded TIG Weldments in Post Weld Heat Treated State	Dr.G.Chandrasekar PD Skariya M Satheesh ERJ Dhas	Journal of Computational and Theoretical Nanoscience 16 (2), 512515	2019	0	PSNA College of Engineering and Technology	Nil
A Linguistic Approach of IFSM with Euclidean Distance in decision making of compatible waste treatment methods	Dr. A. Aleeswari	Applied Mathematics and Information Sciences	2018	0	PSNA College of Engineering and Technology	Nil
A Study on Impact of Job Related Factors Onwork Life Balance of Automobile Sector Workers in Dindigul District.	Dr. S. Jayaraman, Dr. R. Sindhya Dr. B. Arun	International Journal of Mechanical Engineering and Technology (IJMET)	2018	0	PSNA College of Engineering and Technology	Nil
Thennavan Sirumalai" - A Multifacet Hill	Dr. A. S abarirajan	Universal Review	2019	0	PSNA College of Engineering and Technology	Nil
Customer satisfaction through	Dr. A. S abarirajan	Journal of Emerging T	2018	0	PSNA College of Engineering	Nil

<p>six sigma approach: a study in a textile showroom, Dindigul</p>		<p>Technologies and Innovative Research</p>			<p>g and Technology</p>	
<p>Excellence of social media: A quality assessment</p>	<p>Dr. M. Parveen Roja</p>	<p>International Journal of Business Excellence</p>	<p>2019</p>	<p>0</p>	<p>PSNA College of Engineering and Technology</p>	<p>Nil</p>
<p>An Effective Quality Analysis of Xml Web Data Using Hybrid Clustering and Classification Approach</p>	<p>Gopianand.M, Jagannathan.P</p>	<p>Soft Computing</p>	<p>2019</p>	<p>0</p>	<p>PSNACET</p>	<p>Nil</p>
<p>A novel comparative study on breast cancer detection using different types of classification techniques</p>	<p>Subramanian Maruthathuraj Vijayarajan and P.Jagannathan</p>	<p>Concurrency and Computation Practice and Experience</p>	<p>2018</p>	<p>1</p>	<p>PSNACET</p>	<p>1</p>
<p>Fuzzy Weighted Histogram Equalization For Contrast Enhancement Of Mammogram Images</p>	<p>Magudeeswaran Veluchamy, K. Balasubramanian</p>	<p>International Journal of Biomedical Engineering and Technology</p>	<p>2018</p>	<p>0</p>	<p>PSNACET</p>	<p>Nil</p>
<p>An Optimized Technique for Automobile data communication to share air quality index</p>	<p>N.Vallilekha, T.Kamalavalli, A.Vanitha Katherine and S.Vinodhini</p>	<p>International Journal of Mechanical Engineering and Technology</p>	<p>2018</p>	<p>0</p>	<p>PSNACET</p>	<p>Nil</p>

A Study on Wire electrical discharge machining process parameters	Mr.P.Athishankar J .Gowthaman P.S.Gowthaman	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 908-921	2018	0	PSNA College of Engineering and Technology	Nil
Design implementation and analysis of automatic burr removal in a fixture tool	Mr.M.Robert Paul M.Iyyapan M.Nirmal Moses	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 1089-1098,	2018	0	PSNA College of Engineering and Technology	Nil
Implementation of special product process characteristic (sppc) in a clutch cover assembly line	Mr.K.Kannan C.Madasamy J.Venkatesh	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 1025-1034	2018	0	PSNA College of Engineering and Technology	Nil
Performance analysis of IOT based smart sensors in agriculture applications	Dr.G.Athisha, Mrs.G .Sasi, Mrs. P.G.Akila, Mrs.R.Ambika	International Journal of Mechanical Engineering and Technology	2018	0	PSNA College of Engineering and Technology	Nil
A Hybrid Feature Selection Method For Effective Data Classification In Data Mining Applications	Ilangovan, S., Vincent Antony Kumar	International Journal of Grid and High Performance Computing	2019	0	PSNA College of Engineering and Technology	Nil

An Improving Medical Diagnosis Performance using Hybrid Feature Selection via Relief and Entrophy based Genetic Search (RFEGA) Approach: Application to Breast Cancer Prediction	Ilangovan, S., Vincent Antony Kumar	Journal of Cluster Computing	2018	0	PSNA College of Engineering and Technology	Nil
Multiple Criteria Decision Analysis Based Overlapped Latent Fingerprint Recognition System Using fuzzy Sets	Venkatesh, R., Uma Maheshwari, N., Jeyanthi, S	International Journal of Fuzzy Systems	2018	3	PSNA College of Engineering and Technology	3
A Mathematical Model to Predict and Optimize the Gas Metal Arc Hardfaced Stelite 6 Weldbead on Low Carbon Steel	Bhaskaran, R., Muthupandi, G., Senthilkumar, P	International Journal of Mechanical Engineering and Technology	2018	0	PSNA College of Engineering and Technology	Nil
A Potential Promise on Big Data Analytics in Healthcare	Arunkumar, M., Vimala, K., Aravind Britto, K. R	International Journal of Printing, Packaging Allied Sciences	2018	0	PSNA College of Engineering and Technology	Nil
Analysis		Internat	2018	0	PSNA	Nil

of Image Stodgy in Cloud Ordered To pologyFixe d Point Theorem	Saravanan, S., Karthi gaivel, R., Thiaga rajan, K.	ional Journal of Pure and Applied Ma thematics			College of Engineerin g and Technology	
FDLA: Fractional Dragonfly based Load Balancing Algorithm in Cluster Cloud Model	Ashok kumar, C., Vimala, R., Aravind Britto, K.R., Sath yadevi, S	Journal of Cluster Computing	2019	4	PSNA College of Engineerin g and Technology	4
Magnum Opus of an Efficient Hospitalit y Load Balancing in Cloud Computing	Sakthive lmurugan, V., Vimala, R., Aravind Britto, K.R	Journal of Concurr ency and C omputation Practices and Experience	2018	0	PSNA College of Engineerin g and Technology	Nil
Star Hotel Hosp itality Load Balancing Technique in Cloud Computing Environmen t	Sakthive lmurugan, V., Vimala, R., Aravind Britto, K.R.	Journal of Advances in Big Data and Cloud Computing	2018	0	PSNA College of Engineerin g and Technology	Nil
A Model with Cloud Computing putting Adoption Framework to Enhance Data Security in Heterog eneous Data Storage En vironment.	Priya Dharshini, P., Adhila kshmi, R., Arunkumar, M., Jegana than, J.	Internat ional Journal of Engineerin g Technology	2019	0	PSNA College of Engineerin g and Technology	Nil
ErasureC oding Dependent Storage Aware Routing	Dr.K.Sab eetha, Dr. A.Vincent Antony Kumar, P.M uneeshwari , J.K.Jeev itha	Internat ional Journal of Mechanical Engineerin g and Technology	2018	0	PSNA College of Engineerin g and Technology	Nil

Energy efficient medicinal services framework in inter cloud architecture	J.K.Jeevitha, Dr.G.Athisha, Dr.K.SabeeshaP.Pradeepa	International Journal of Engineering Technology	2018	0	PSNA College of Engineering and Technology	Nil
Layout Optimization using Euler's Path and Minimum Distance Rule	V.Seerengasamy S.Umadevi	International Journal of Innovative Technology and Exploring Engineering	2019	3	PSNA College of Engineering and Technology	3
Radiation effect on MHD convective flow of a Jeffery fluid in a vertical porous channel with sores effect	Dr. R. Muthuraj, R.K. Selvi	International Journal of Mathematics and Statistics	2018	0	PSNA College of Engineering and Technology	Nil
Effects of nonDarcian and temperature dependent heat source on twophase flow in a vertical porous space with thermal radiation	R. Muthuraj, S.Srinivas, Anant Kant Shukla and D. Lourdu Immaculate	Heat transfer Asian research	2019	0	PSNA College of Engineering and Technology	Nil
INTUITIVE FUZZY HX MODULES	1. MUTHURAJ R 2. MUTHURAMAN M S 3. SRIDHARAN M 4. SABARINATHAN G	International Journal of Mechanical and production Engineering Research and Development IJMPERD	2018	0	PSNA College of Engineering and Technology	Nil

MULTI PARAMETERIZED AUTOMATIC FUZZY HX WATER DISTRIBUTION SYSTEM	1. MUTHURAJ R 2. MANIKANDAN K H 3. RAMILA GANDHI N 4. MUTHURAMAN M S	International Journal of Innovative Technology and Exploring Engineering IJITEE	2018	0	PSNA College of Engineering and Technology	Nil
INTUITIONISTIC FUZZY HX MODULES	1. MUTHURAJ R 2. MUTHURAMAN M S 3. SRIDHARAN M 4. SABARINATHAN G	International Journal of Mechanical and production Engineering Research and Development IJMPERD	2018	0	PSNA College of Engineering and Technology	Nil
Multi Parameterized Automatic Fuzzy HX Water Distribution System	1. Muthuraj. R 2. Manikandan K.H 3. Ramila Gandhi N 4. Muthuraman M S	International Journal of Innovative Technology and Exploring Engineering IJITEE	2019	0	PSNA College of Engineering and Technology	Nil
Intuitionistic fuzzy semi HX ring	R.Muthuraj, M.S.Muthuraman, K.H.Manikandan	International Journal of Scientific and Innovative Mathematical Research	2018	0	PSNA College of Engineering and Technology	Nil
MULTI PARAMETERIZED AUTOMATIC FUZZY HX WATER DISTRIBUTION SYSTEM	1. MUTHURAJ R 2. MANIKANDAN K H 3. RAMILA GANDHI N 4. MUTHURAMAN M S	International Journal of Innovative Technology and Exploring Engineering IJITEE	2019	0	PSNA College of Engineering and Technology	Nil
A two level supply chain model with trade	R.Udayakumar K.V.Geetha	International Journal of Mathematics in Operational	2019	0	PSNA College of Engineering and Technology	Nil

credit and imperfect production process		Research				
An inventory system of noninstantaneous deteriorating items with backlogging and time discounting.	R.Sundararajan, M. Palanivel, R.Uhayakumar	International Journal of system science operations and Logistics (Taylor and Francis)	2019	0	PSNA College of Engineering and Technology	Nil
Neutrosophic Assignment Problem via BnB Algorithm	S.Krishna Prabha, S.Vimala	Springer Trends in Mathematics	2019	25	PSNA College of Engineering and Technology	Nil
Laplacian and Effective Resistance Metric in Sierpinski Gasket Fractal	P.Uthayakumar Dr.G. Jayalalitha	P.Uthayakumar Dr.G. Jayalalitha	2019	1	PSNA College of Engineering and Technology	Nil
A study on normal multifuzzy BGideals of BGalgebra	R.Muthuraj, S.Devi	Malaya Journal of Matematik	2019	0	PSNA College of Engineering and Technology	Nil
Exploration of the impacts of Blended Learning in Higher Education using CBDLHFCM	D.Durai Arul Durga Devi, J.Femila Mercy Rani, P.Vijayalakshmi, C.Yamini, Nivetha Martin	International Journal of Rec Technology and Engineering	2019	0	PSNA College of Engineering and Technology	Nil
Thermodynamics analysis on MHD casson nanofluid flow in a vertical porous	R.Muthuraj, R.K.Selvi, S.Srinivas	Global journal of research in engineering	2018	0	PSNA College of Engineering and Technology	Nil

space with stretching walls						
An intuitionistic fuzzy magnified translation of km ideals on k-algebra	S. Kailasavalli, C. Yamini, M. Meenakshi and VE.Jayanthi	International Journal of Mechanical Engineering and Technology (IJMET)	2019	0	PSNA College of Engineering and Technology	Nil
Fuzzy KM ideals on K-Algebras	S.Kailasavalli, D.Durai Arul Durga Devi, R.Jaya, M.Meenakshi	International Journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering and Technology	Nil
Exploration of the impacts of Blended Learning in Higher Education Using CBLHFCM,	Nivetha Martin, D. Durai Arul Durga Devi, J. Femila Mercy Rani, P. V. vijyalakshmi, C.Yamini 2	International Journal of Rec Technology and Engineering	2019	1	PSNA College of Engineering and Technology	Nil
Applications of Anti Fuzzy Graph and Role of Domination on Anti Fuzzy Graph.	R. Muthuraj A.Sasireka	International Journal of Recent Technology and Engineering	2019	17	PSNA College of Engineering Technology	Nil
INTUITIONISTIC FUZZY HX MODULES	1. MUTHURAJ R 2. MUTHURAMAN S 3. SRIDHARAN M 4. SABARINATHAN G	International Journal of Mechanical and production Engineering Research and Development IJMPERD	2019	1	PSNA College of Engineering Technology	Nil
An Improved Mechanical Design for Exposed Motorist Monitoring	S.P.Sellapandi, S. Vijayprasaath, P.Parthasarathy, C.Kohila, Divya	International Journal of Mechanical Engineering and Technology	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University,	Nil

System using MEMS"	Francis , N.Lavanya Devi				India	
Reconfigurable NOC: A Data Approximation Framework for Network on Chip Architectures	T. Thangam	International Journal of Research in Engineering, Science and Management	2018	0	PSNA College of Engineering and Technology	Nil
Resonant converter for Data Center and Super Computer applications	N.Soundiraraj, K.Palanivel Rajan, I.Sayed Mohammed, K.Kaleeswaran , K.Aruljeyaraj	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	PSNA College of engineering and technology, Dindigul, India.PSNA College of engineering and technology, Dindigul, India.	Nil
Low Power Reconfigurable Multiplier for Network on Chip Architecture	R Sangeetha , T. Thangam	International Journal of Software Hardware Research in Engineering	2019	0	PSNA College of engineering and technology, Dindigul, India.	Nil
"Design of Reversible test pattern generator using novel reversible gates	N.Brindha Dr.A.Kaleel Rahuman	International Journal of Pure and Applied Mathematics	2018	1	PSNA College of engineering and technology, Dindigul, India.	1
Automatic Identification of Maritime Boundary Alert System using GPS	Dr.M.Revathy	International Journal of Engineering and Technology	2018	0	PSNA College of engineering and technology, Dindigul, India.	Nil
Image contrast and color	Magudeeswaran Veluchamy,	Optik	2019	0	PSNA College of engineerin	Nil

enhancement using adaptive gamma correction and histogram equalization	Bharath Subramani				g and technology, Dindigul, India.	
Fuzzy contextual inference system for medical image enhancement	Bharath Subramani, Magudeeswaran Veluchamy	Measurement	2019	0	PSNA College of engineering and technology, Dindigul, India.	Nil
Brightness preserving optimized weighted bi-histogram equalization algorithm and its application to MR brain image segmentation	Magudeeswaran Veluchamy, Krishnamurthy Mayathavar, Bharath Subramani	International Journal of Imaging Systems and Technology	2019	0	PSNA College of engineering and technology, Dindigul, India.	Nil
Fuzzy weighted histogram equalization for contrast enhancement of mammogram images	V. Magudeeswaran and K. Balasubramanian	Int. J. Biomedical Engineering and Technology	2018	0	PSNA College of engineering and technology, Dindigul, India.	Nil
SMART ENERGY METER FOR HOUSEHOLD APPLICATIONS	Dr.M.Deivakani	RESTAURANT BUSINESS	2019	0	PSNA College of engineering and technology, Dindigul, India.	Nil
LLC RESONANT FULL BRIDGE DCDC CONVERTER WITH LC ANTI	N.SOUNDIRAJ	JOURNAL OF ELECTRICAL ENGINEERING	2018	2	PSNA College of engineering and technology, Dindigul, India.	1

Analysis and Performance Evaluation of Control Methods for LLC Resonant	N.SOUNDI RARAJ	Journal of Computational and Theoretical Nanoscience,	2018	2	PSNA College of engineering and technology, Dindigul, India.	1
Mathematical Analysis And design Of ANFIS Controlled Resonant Converter	N.SOUNDI RARAJ	TAGA JOURNAL	2018	2	PSNA College of engineering and technology, Dindigul, India.	1
Design and Implementation of Automated Parcel Sorting Mechanism using Arduino	Saravanan R, Sathesh Raaj R, Suganya Thevi T, Kasthuri M and Ashok Kumar S	International Journal of Civil Engineering and Technology (IJCIET)	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil
HETEROGENEOUS NETWORK FOR COAL MINE SAFETY SYSTEM	B. kamal asoundari, T. Murugaj othi, R. Rajakumari, V. Femina	International JOURNAL OF MECHANICAL ENGINEERING AND TECHNOLOGY,	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil
Analysis on Fatigue Recognition System Using Facial Features and HRV	S.Vijayarath A.Prasanth I.Athal M. kathirvel	International Journal of Engineering and Technology	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil
Current research impact in wireless sensor networks	N.Sasikala S.Pavalaranjan A.Prasanth R.Karuppathal	International Journal of Engineering and Technology	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil
A Millimeter Wave Patch Antenna For	Divya Francis, C.Kohila, R.Carol Praveen,	Jour of Adv Research in Dynamical	2018	0	PSNA College of Engineering Technology, Dindig	Nil

Vehicular Communications	N.Lavanya Devi	Control Systems			ul.Anna University, India	
AN IMPROVED MECHANICAL DESIGN FOR EXPOSED MOTORIST MONITORING SYSTEM USING MEMS	S.P.Sellapandi, S. Vijayprath, P.Parthasarathy, C.Kohila, Divya Francis, N.Lavanya Devi	International Journal of Mechanical Engineering and Technology	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil
Particle Swarm Optimization Algorithm Based Zone Head Selection In Wireless Sensor Networks	Mrs.G.SASI	INTERNATIONAL JOURNAL OF SCIENTIFIC TECHNOLOGY RESEARCH	2019	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil
Exploiting the local optima in genetic algorithm using tabu search	M Sivaram, K Batri, AS Mohammed, V Porkodi	Indian journal of science and technology	2019	28	PSNA College of Engineering Technology, Dindigul. Anna University, India	23
Analyze The Performance of CSI Fed Induction Motor With A Novel MRAS Based Controller To Minimize The Torque Ripple	N.PanneerSelvam, V.Rajasekaran, M.Arul Prasanna, I.Gerald Christopher Raj	Journal of Electrical Engineering (IF5.851)	2018	0	PSNA College of Engineering and Technology, Dindigul, Tamil Nadu, India.	Nil
Feature Selection and Parameters Optimization of Support Vector Machines Based on Hybrid Glowworm	Mr.R.Karthikeyan	Journal of Medical Systems	2018	4	PSNA College of Engineering and Technology	4

Swarm Optimization for Classification of Diabetic Retinopathy						
Analysis of optic disk and optic segmentation for identification of retinal diseases.	Dr.J.Benadictraja	Journal of Advanced Research in dynamical and Control Systems	2018	0	PSNA College of Engineering and Technology	Nil
Influence of spindle speed and welding speed on mechanical properties of friction stir welding	Mr.T.Pra vinPrabu J.Yasin M.Saravana Kumar	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 802809	2018	0	PSNA College of Engineering and Technology	Nil
Heat transfer analysis of shell and tube heat exchanger using Al ₂ O ₃ nanofluids	Mr.P.Immanuel MS.Sivaharishankar M.Eswaran	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 980-989,	2018	0	PSNA College of Engineering and Technology	Nil
Multiple criteria Decision Analysis based Overlapped Latent Fingerprint Recognition System using Fuzzy sets.	Dr.N.Uma Maheswari	International Journal of Fuzzy Systems	2018	3	PSNA College of Engineering and Technology	3
NeuroFuzzy Based	Mr. A. H. Nandhu Kishore	Journal of Computational and	2018	0	PSNA College of Engineering	Nil

Medical Decision Support System for Coronary Artery Disease Diagnosis and Risk Level Prediction		Theoretical Nanoscience				g Technology, Dindigul. Anna University, India	
Multi Criteria Decision Making Methods to Predict the Prevalence of Coronary Artery Disease	Mr. A. H. Nandhu Kishore	Journal of Medical Imaging and Health Informatics	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil	
Automatic Brain Tumor Growth Rate Identification Using MRFEM Algorithm	Mr. N. Rajesh Pandian Ms. S. T. Shenbagavalli Ms. S. S. Nagandhini Mrs. K. Gayathri	Journal of Advanced Research in dynamical and Control Systems	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil	
Air Pollution and Accidental Gas Leakage Monitoring System	Mrs. V. Priya Mrs. M. Jayanthi Mrs. A. Joyce Ms. B. Dhari ni	International Journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil	
MPSO algorithm for Classification of Sentimental analysis	Mr. S. M. Prabin Mr. N. Selvaganesh Mrs. S. R. Amalakshmi	Journal of Advanced Research in dynamical and Control Systems	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil	
Multiple kernel scale invariant feature transform	Mathan Kumar, B., Pushpalakshmi, R.	Journal of Web Engineering	2018	0	PSNA College of Engineering and Technology	Nil	

and cross indexing for image search and retrieval						
Current Research Impacts in Wireless Sensor Networks	Sasikala, N., Pavalarajan, S., Prasanth, A, Karuppenthal, R	International Journal of Engineering and Technology	2018	0	PSNA College of Engineering and Technology	Nil
Fuzzy Logic Based Jamming Detection Algorithm for Cluster based Wireless Sensor Network	Vijayakumar, K. P., Ganeshkumar, P., Anandaraj, M., Selvaraj, K., Sivakumar, P	International Journal of Communication Systems	2018	2	PSNA College of Engineering and Technology	2
A Multipath Low Overhead Routing Protocol for Healthcare Industry under Wireless Sensor Networks	Muthumayil, K., Manikandan, S., Rajamani, V., Buvana, M	Journal of Web Engineering	2018	0	PSNA College of Engineering and Technology	Nil
Different Types of Review Approaches in Load Balancing Techniques in Cloud Computing Environment	Arul Sindiya, J., Pushpalakshmi, R	International Journal of Engineering Technology	2018	0	PSNA College of Engineering and Technology	Nil
A Review on Latest Technologies in Big Data Analysis	Castro, S., Pushpalakshmi, R	International Journal of Engineering Technology	2018	0	PSNA College of Engineering and Technology	Nil

A Novel Model for Optimal Selection of Resource Providers for Outsourcing in Communal Cloud	Pradeepa, P., Pushpalashmi, R	International Journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering and Technology	Nil
ENGULFING THE MULTIMEDIA NUANCESTO ENRICH THE LISTENING SKILLS OF ENGINEERING STUDENTS	N.Shabnam niher S.Manimekalai S.Viji	International Journal of Mechanical Engineering and Technology	2018	0	PSNA College of Engineering and Technology	Nil
PROBLEMS OF ESL LEARNERS FROM SEMI URBAN ENGINEERING COLLEGES AND PERCEPTIONS - A STUDY	A.Hajirabanu A.Viswa Sangeetha A.Catherine Benita N.M.Sri.Prasanna	International Journal of Mechanical Engineering and Technology	2018	0	PSNA College of Engineering and Technology	Nil
Mobility Based Self Assessment Monitoring System For Diabetes Patients Using IOT	Dr.D.Shanthi,	International Journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering and Technology	Nil
Alarming of MultimedialUrban Emergency Events in Crowdsourcing to Social Media using Artificial neural network	Dr.D.Shanthi,	International Journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering and Technology	Nil
An Efficient Virtual Machine	Dr.D.Shanthi,	International Journal of Pure and	2018	0	PSNA College of Engineering and	Nil

Migration for Smart Healthcare Using Particle Swarm Optimization Algorithm		Applied Mathematics			Technology	
IMPLEMENTATION OF REDUCED FUEL CONSUMPTION IN CEMENT KILN WITH EFFICIENT COOLING TECHNOLOGY USING PLC AND HUMAN MACHINE INTERFACE	Dr.P.Manirajkumar	International Journal of Civil Engineering and Technology (IJCIET)	2018	0	PSNA College of Engineering and Technology	Nil
Multiple cell Upset Tolerant Modified Error Correction Code in Space Application	Dr.P.Manirajkumar	International Journal of Civil Engineering and Technology (IJCIET)	2018	0	PSNA College of Engineering and Technology	Nil
An optimization algorithm based resource allocation for cooperative cognitive radio networks	GP Bharathi, K Meena Alias Jeyanthi	Journal of supercomputing	2018	0	PSNA College of Engineering and Technology	Nil
A Smart Navguide System for Visually Impaired	C. Chitra	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2018	0	PSNA College of Engineering and Technology	Nil
Experimental analysis of optimization of	Dr.K.Muralidharan S.Suthan K.Muralitharan	International research journal of engineering	2018	0	PSNA College of Engineering and Technology	Nil

process parameters of wire EDM on stainless steel 316L		g and technology, vol 5, issue 6, ISSN23950056				
Material selection for Fin based on Thermal analysis using ANSYS and ANN	Dr.K.Muralidharan B.Anbarasan S.Karthik	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 560-567,	2018	0	PSNA College of Engineering and Technology	Nil
Iron(III) Salen ion catalyzed oxidation of Lcysteine and salkyl-Lcysteines by H2O2 :Spectral, kinetic and electrochemical study	Thangamuthu Rajendran	Polyhedron	2019	1	PSNA College of Engineering Technology0	Nil
Synthesis , photophysics and the binding studies of rhenium (I) diimine surfactant complexes with serum albumins:A spectroscopic and docking study approach	Thangamuthu Rajendran	Journal of Luminescence	2019	0	PSNA College of Engineering Technology	Nil
Hydrogeochemical processes in the ground water envi	T.S.R.Umameswari	Applied water science	2019	0	PSNA College of Engineering Technology	Nil

ronment of Batlagundu block,Dindigul district,Tamilnadu:conventional graphical and multivariate statistical approach						
Preparation and characterization of NiS thin film on ITO coated glass substrate for solar cell applications	M.Thangaraj K.Jeyalakshmi	International journal of pure and applied Mathematics	2018	0	PSNA College of Engineering and Technology	Nil
AZADIRACHTA INDICAL EXTRACTS as green inhibitor for mild steel in sea water	N.Vellachi	International Journal of Mechanical Engineering and Technology	2018	0	PSNA College of Engineering and Technology	Nil
NEED BASED STRATEGIES TO IMPROVE THE PRIME SKILL OF MECHANICAL ENGINEERING STUDENTS	Dr.V.Chithra Devi P.Elizabeth Kalpana M.K.Subashini	International Journal of Mechanical Engineering and Technology	2018	0	PSNA College of Engineering and Technology	Nil
Performance analysis of solar stepped still with top cover cooling	Mr.R.Karthikeyan J. .Murugesan T.Kathiravan	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 877-889	2018	0	PSNA College of Engineering and Technology	Nil
Hydrogen Production and Power	Mr.M.Nagaraja Sasikumar.	International Journal of	2018	0	PSNA College of Engineering	Nil

Generation	C Sundaresan. R	Recent Technology and Engineering (IJRTE) ISSN: 22773878, Volume7 Issue4S, November 2018 .Pp.3436			g and Technology	
Heat transfer analysis of shell and tube heat exchanger using AL2O3 nanofluids	Mr.MS.Sivaharishankar M.Eswaran P.Immanuel	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 980-989,	2018	0	PSNA College of Engineering and Technology	Nil
Emission and performance analysis of diesel engine using the blend of sunflower oil and rice bran oil	Mr.M.Ramathanan M. Kumaresan M.Ramanathan	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 967-979	2018	0	PSNA College of Engineering and Technology	Nil
Reinforcement of Sugarcane Bagasse with Polyurethane Resin	M. Subbiah B. Anbarasan M.Ramanathan	IJSRD International Journal for Scientific Research Development Vol. 6, Issue 03, 2018 ISSN (online): 23210613	2018	0	PSNA College of Engineering and Technology	Nil
Finite element analysis of aircraft	Mr.A.Arul Johnson G. Saravanan P.Pandiyar	International Journal of Mechanical Engineering	2018	0	PSNA College of Engineering and Technology	Nil

wing joint and fatigue life prediction under variable loading using mscpatran and nastran	ajan	g and Technology (IJMET) Volume 9, Issue 11, November 2018, pp. 1111-1119				
Experimental analysis of chain sprocket using metal matrix composites	Mr.K.Vignesh S.Mohammed Nasru Ila G.Prakashkanna	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 890-901	2018	0	PSNA College of Engineering and Technology PSNA College of Engineering and Technology	Nil
Reducing the run out defect in cover assembly line of clutch plate	Mr.M.Shantharaj M. Parthiban M.Kumaresan	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 1042-1050	2018	0	PSNA College of Engineering and Technology	Nil
Mechanical and tribological behavior of hemp fiber reinforced polymeric composite	Mr.S.B.Viswanath M.Subbain N.Nagasundaram	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 1061-1066	2018	0	PSNA College of Engineering and Technology	Nil
PowerSplit Hybrid Transmission Strategy For Hybrid Vehicle Applications	Dr. S. K. Nandha Kumar, Dr. S. Selvakumar, Dr. S. Muthukumar, J. Velmurugan	International Journal of Mechanical Engineering and Technology (IF10.6879	2018	0	PSNA College of Engineering and Technology, Dindigul, Tamil Nadu,	Nil

	B. Pushpav anam)			India.	
Applicat ion of bat algorithm to optimal reactive power dispatch	Dr.S.K. Nandha Kumar, Dr.S. Selv akumaran, Dr.R. Kart higaivel, Dr.S. Muth ukumaran	Journal of Interna tional Pha rmaceutica l Research (IF0.13)	2018	0	PSNA College of Engineerin g and Tech nology, Dindigul, Tamil Nadu, India.	Nill
Performa nce Comparison using Firefly and PSO algorithm on Congestion Management of Deregul ated Power Market involving Renewable Energy Sources	D. Fathema Farzana, K. Mahadevan	Journal of Soft Computing (IF2.784)	2019	0	PSNA College of Engineerin g and Tech nology, Dindigul, Tamil Nadu, India.	Nill
SIBS: Smart Inte lligent Braking System to Eliminate Human Perception and Reaction Time using VANET	Dr.P.Gok ulakrishna n Mr.K.Sur esh	Internat ional Journal of Pure and Applied Ma thematics	2018	0	PSNA College of Engineerin g and Technology	Nill
A Detailed Survey on SaliencyBa sed Lesion Segmentati on Detection and Classi fication Systems Based on Features and Classi fiers	Dr.K. Manivannan	Internat ional Journal of Pure and Applied Ma thematics	2018	0	PSNA College of Engineerin g and Technology	Nill
Detailed	Dr.K.	Internat	2018	0	PSNA	Nill

review on medical image segmentation	Manivannan	ional Journal of Pure and Applied Mathematics			College of Engineering and Technology	
Performance analysis of meningioma brain tumor classifications based on gradient boosting classifier	Dr.K. Manivannan	Wiley International Journal of Imaging System and Technology	2018	0	PSNA College of Engineering and Technology	Nil
Performance Assessment of an Irrigation System in Tamilnadu, Stabilization of Black Cotton Soil Using Pili and Lime	Punithavel K and Mahendran N	Journal of Institution of Engineers	2019	0	PSNA College of Engineering and Technology, Dindigul, India	Nil
Analytical Investigation On Hybrid Reinforced Concrete Beam	Siddaram aiah Y.M, Jaideep C, Vinodkumar M,Aswin Sidhaarth K	International Journal Of Civil Engg Tech	2018	0	PSNA College of Engineering and Technology, Dindigul, India PSNA College of Engineering and Technology, Dindigul, India	Nil
Enumerate the ground contamination and confiscation of benzene by column study A lead effectual approach	M.Senthil kumar , G.V.T Gopala Krishna V Sivasnkr K. Omine	Ecology, Environment and Conservation Journal Papers	2018	0	PSNA College of Engineering and Technology, Dindigul, India	Nil

Design of Multilevel Car Parking Building	Mahendran S, Sivasubramanian K and Ashok Pandiyan M	International Journal of Civil Engineering and Technology	2018	0	PSNA College of Engineering and Technology, Dindigul, India	Nil
Influence of Silica Fume, Marble Powder, Granite Powder on High Strength Concrete and Evaluating the Beam Using Finite Element Analysis'	S.Sivakumar, M.Rajasekar, B. Kameshwari, S.Mahendran, S.Abu thahir, Shreevidhya R, Jeyasudhas and Mahendran S	International Journal of Civil Engineering and Technology	2018	0	PSNA College of Engineering and Technology, Dindigul, India	Nil
Analytical Investigation on Dynamic Behaviour of Composite Beam	Vimala S, Sivakumar M and Srinivasan K	International Journal of Civil Engineering and Technology	2018	0	PSNA College of Engineering and Technology, Dindigul, India	Nil
Research on Laterally Restrained Builtup Steel Beam under Dynamic Response	sangeetha K Vimala S	International Journal of Innovative Technology and Exploring Engineering	2019	0	PSNA College of Engineering and Technology	Nil
use of copper slag for partial replacement to fine aggregate in concrete	Elambaran R, K Srinivasan Vimala S	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	PSNA College of Engineering and Technology	Nil
Flexural Behaviour of Self Compacted	Sivakumar S, Suresh T and	International Journal of Civil Engineering	2018	0	PSNA College of Engineering and	Nil

Perforated Concrete Beams	Jayaguru C	neering and Technology			Technology	
Durability Studies on Concrete Containing Treated Used Foundry Sand	N. Gurum oorthy, K. Arunachalam	Construc tion and Building Materials	2019	3	PSNA College of Engineerin g and Technology	3
Effective Utilizatio n Of Sugarcane Bagasse Ash And Marble Dust In Ma nufacturin g Of Susta inable Clay Bricks	M.Mohan, Dr.N.Gurum oorthy and A.Chandras ekar	Internat ional Journal of Civil Engi neering and Technology (IJCIET)	2018	0	PSNA College of Engineerin g and Technology	Nill
LandUse/ LandCover Change Dynamics and Ground water Quality in and Around Southern District of India	R. Nirmala, J. Davidson Bruno, B. Ganeshkuma r	Ecology, Environmen t and Cons ervation	2018	0	PSNA College of Engineerin g and Technology	Nill
Stabiliz ation of Black Cotton Soil Using Pili and Lime	Dr.S.M.S ubash, Mr. B.Ranjith Babu, Dr.N .Mahendran	Caribbean Journal of Science	2019	0	PSNA College of Engineerin g and Tech nology, Dindigul	Nill
Experime ntal Study on Ricehusk ash and Flyash as Partial Re placement of Cement in Concrete	Muthanand P, Nagarajan M and Sarathbabu M	Internat ional Journal of Civil Engi neering and Technology	2018	0	PSNA College of Engineerin g and Tech nology, Dindigul	Nill

Utilization of Industrial Wastes in Glass fibre Reinforced concrete	Rajendra Prasath C and Dhureen Karthik P M	International Journal of Civil Engineering and Technology	2018	0	PSNA College of Engineering and Technology, Dindigul	Nil
Rehology and durability of cement mator by using viscosity modifimg admxtures	Yuvanesh Kumar R Vinobalaji K	International Journal of Innovative Technology and Exploring Engineering	2019	0	PSNA College of Engineering and Technology, Dindigul	Nil
Experimental Investigation of Hollow Core slab using different fibre	Yuvanesh Kumar R, Vinobalaji K and Naveen Prasad M	International Journal of Civil Engineering and Technology	2018	0	PSNA College of Engineering and Technology, Dindigul	Nil
"Experimental Investigation On Bond Behavior Of Plastic Reinforcement Bar Embedded In Concrete Cubes	Vijay T J, Victor Samson Raj A and Sindhumathi E	International Journal of Civil Engineering and Technology	2018	0	PSNA College of Engineering and Technology, Dindigul	Nil
Investigation on Compressive Behaviour of Self curing Concrete	Deepa S, SreeVidhya N and Kayalvizhi M	International Journal of Civil Engineering and Technology	2018	0	PSNA College of Engineering and Technology, Dindigul	Nil
A study on Soil Stabilization Using Cement and Flyash	Diana Alice Sugunan, Balamurali G and Muthulakshmi G	International Journal of Civil Engineering and Technology	2018	0	PSNA College of Engineering and Technology, Dindigul	Nil
Optimization of laminated composite	Dr.D.Vasudevan P.Emmanuel Nicholas	Polymers and polymer composites,V	2019	0	PSNA College of Engineering and Tech	Nil

plates subjected to nonuniform thermal loads		Volume: 27 Issue: 6, page(s): 314322			nology, Dindigul	
Energy and exergy analysis on variable compression ratio multifuel engine	Dr.D.Vasudevan S. Murugapooopathi	Journal of Thermal Analysis and Calorimetry	2018	0	PSNA College of Engineering and Technology, Dindigul	Nil
Particle swarm optimization approach for flow shop scheduling shop	Dr.R.Kannan S.Sridhar S.Sabareesan	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 72-80	2018	0	PSNA College of Engineering and Technology, Dindigul	Nil
Metallurgical characteristics of armour steel welded joints used for combat vehicle construction	Dr.G.Magudeeswaran V.Balasubramanian GM. Reddy	Defence Technology, 14 (5), 590606	2018	2	PSNA College of Engineering and Technology	2
Evaluation of structure and Mechanical properties of Zirconia Reinforced Aluminium matrix composite	Dr.V.Paramasivam Roseline, S Anandharishnan, R Lakshminarayanan, P.R	Annals of Operations Research	2018	0	PSNA College of Engineering and Technology	Nil
Mechanical properties of	Dr.G.R.Kannan Balu S	International Journal of Mechanical	2018	0	PSNA College of Engineering and	Nil

sisalcoir Hybrid composites		Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 81-88			Technology	
Enablers and Barriers for Integrated lean green manufacturing system	Mr.N.Harikannan M.Palpandi K.Rajasuthan	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 320-324,	2018	0	PSNA College of Engineering and Technology	Nil
CFDLA: Crow search with integrated Fractional Dragonfly algorithm for Load balancing in Cloud Computing Environments	C. Ashok Kumar, R.Vimala	Journal of Circuits, Systems, and Computers (IF 0.595)	2018	0	PSNA College of Engineering and Technology, Dindigul, Tamil Nadu, India.	Nil
Automatic fitness alert system for armed force applications	N. Selvarani, P. Malathy, G. Devi, R. Rajalakshmi	International Journal of Mechanical Engineering and Technology (IF10.6879)	2018	0	PSNA College of Engineering and Technology, Dindigul, Tamil Nadu, India.	Nil
QCDM culture design: a new paradigm in manufacturing sector to meet the Customer satisfaction	T.Varun Kumar, I.Sayed Mohammed, K.Palanivel Rajan, D.Arun Prasad, K. Kaleeswaran	International Journal of Mechanical Engineering and Technology (IF10.6879)	2018	0	PSNA College of Engineering and Technology, Dindigul, Tamil Nadu, India.	Nil
Design		Internat	2018	0	PSNA	Nil

and analysis of Pneumatic bearing Pusher and puller	Dr.S.Raja C.Senthil Kumar L.Va divelKanna n	ional Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 696-703			College of Engineering and Technology	
A Novel Fuzzy Rough Sets Theory Based CF Recommendation System	Dr.V.E.J ayanthi	International Journal of Computer Systems Science Engineering	2019	0	PSNA College of Engineering and Technology	Nil
An Intuitionistic Fuzzy Magnified Translation of Km Ideals On Kalgebra	Dr.V.E.J ayanthi	International Journal of Mechanical Engineering and Technology (IJMET)	2019	0	PSNA College of Engineering and Technology	Nil
Performance analysis of irisbased identification system based on exudates	Dr.V.E.J ayanthi	International Journal of Biomedical Engineering and Technology	2019	0	PSNA College of Engineering and Technology	Nil
Modern Very Fast Decision Tree Model for Mining Highspeed Timeseries Data Stream	Dr.V.E.J ayanthi	International Journal of Engineering and Technology	2018	0	PSNA College of Engineering and Technology	Nil
A Review on Optimization Approaches in Cloud Computing Service	Dr.V.E.J ayanthi	International Journal of Engineering and Technology	2018	0	PSNA College of Engineering and Technology	Nil
Evaluation of structural	Dr.V.E.J ayanthi	Journal of Medical Imaging and Health	2018	0	PSNA College of Engineering and	Nil

changes in iris due to glaucoma		Informatics			Technology	
ThreeDimensional Finite Element Analysis of Surface Mesh Model of Human Tibia Bone	Dr.V.E.Jayanthi	Research Journal of Pharmacy and Technology	2018	0	PSNA College of Engineering and Technology	Nil
Analysis of Biomaterials For designing Prosthetic Limbs	Sriram selvaraj	International Journal of Mechanical Engineering and Technology	2018	0	PSNA College of Engineering and Technology	Nil
Contemporary Challenges of Digital Marketing: Ranking Analysis by Fuzzy Cognitive Maps	Dr. A. Aleeswari	International Journal of Basic and Applied Research	2019	0	PSNA College of Engineering and Technology	Nil
Intervention of Environmental Engineering Principles in the Investigation of the Viable Air Pollution Mitigation Methods with IFS Tool	Dr. A. Aleeswari	Intervention of Environmental Engineering Principles in the Investigation of the Viable Air Pollution Mitigation Methods with IFS Tool	2019	0	PSNA College of Engineering and Technology	Nil
Novel energy efficient predictive link quality based reliable routing for wireless	Dr.N.Uma Maheswari	International journal of biomedical engg tech	2018	2	PSNA College of Engineering and Technology	2

multimedia biosensor networks in biomedical invention research and bionic utilities monitoring application.						
Load rebalancing with advanced encryption standard for hadoop distributed file system using distributed hash table	Dr.N.Uma Maheswari	International Journal of Pure and Applied Mathematics	2018	0	PSNA College of Engineering and Technology	Nil
Design of Intelligent Transport System using PIC 16F877 Microcontroller	Saravanan Rajaram N. Chandrasekaran S.Suryaprakash	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil
A Millimeter Wave Patch Antenna For Vehicular Communications	Divya Francis, C.Kohila, R.Carol Praveen, N.Lavanya Devi	journal of advanced research in dynamic and control systems	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil
A Millimeter Wave Patch Antenna For Vehicular Communications	Divya Francis, C.Kohila, R.Carol Praveen, N.Lavanya Devi	journal of advanced research in dynamic and control systems	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil
QCDM CULTURE DESIGN: A NEW PARADIGM IN MANUFAC	I.Sayed Mohammed	International Journal of Mechanical Engineering and	2018	0	PSNA College of Engineering Technology, Dindigul. Anna Un	Nil

TURING SECTOR TO MEET THE CUSTOMER S ATISFACTIO N		Technology (IJMET)			iversity, India	
unit selection based speech synthesis using consonant vowel units	vidhya R.G	journal of advanced research in dynamic and control systems	2018	0	PSNA College of Engineering Technology, Dindigul. Anna University, India	Nil
Cutting parameter optimization using Surface response surface methodology	Mr.G.Balaji A.Muthukumaran M.Nagaraja	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 15481556	2018	0	PSNA College of Engineering and Technology	Nil
Emission and performance analysis of diesel engine using the blend of sunflower oil and rice bran oil	Mr.T.Ramkrishnan M.Ramanathan M.Kumaran	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 967979	2018	0	PSNA College of Engineering and Technology	Nil
Vibration Characteristics of Al6061SiC Metal Matrix Composite based Rubber Mount for I.C Engine Chassis	Dr.S.Jeyakumar Dr.T. Ramachandran Dr.S. Sudhakara Reddy	International Journal of Vehicle Structures Systems Vol.10(3), pg.no. 215219 September 2018	2018	0	PSNA College of Engineering and Technology	Nil
Investigation on unpeened	Dr.G.Chandrasekar Dr.C.Kaila	Journal of Manufacturing	2018	0	PSNA College of Engineering	Nil

and laser shock peened dissimilar weldments of Inconel 600 and AISI 316L fabricated using activated TIG welding technique	sanathan D r.M.Vasundara	Processes, 35, 466478.			g and Technology	
Buckling load factor analysis of composite plates subjected to biaxial compressive load using finite element analysis	Dr.P.Emmanuel Nicholas S. Karthikeyan C.Dharmaraj	International Journal of Mechanical Engineering and Technology (IJMET) Volume 9, Issue 10, October 2018, pp. 1193-1199	2018	0	PSNA College of Engineering and Technology	Nil
Experimental and analytical investigations on passive viscoelastic constrained layer damping (VCLD) for steel plates	Mr.A.Dyson Bruno Hari Vignesh S	International Journal of Mechanical Engineering and Technology, Volume 9, Issue 11, November 2018, pp. 568-573,	2018	0	PSNA College of Engineering and Technology	Nil
Online vehicle picture recovery techniques based on geometrical dimensioning and symmetrical values for effective classification of mechanical images	Rajkumar N, Babu P, Nimmati Satheesh, GopiAnand M and Gayathri D	International Journal of Mechanical Engineering and Technology	2018	0	PSNACET	Nil

Behaviour of multiple robots and their comparison with their computer simulations by applying target searching algorithms	S.Palani appan, S.J ayakumar, T.Pushpara j and N.Ja yalakshmi	Internat ional Journal of Mechanical Engineerin g and Technology	2018	0	PSNACET	Nil
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
PROBLEMS OF ESL LEARNERS FROM SEMI URBAN ENGINEERING COLLEGES AND PERCEPTIONS - A STUDY	A.Hajira banu A.Viswa Sangeetha A.Catherine Benita N .M.Sri.Prasanna	Internat ional Journal of Mechanical Engineerin g and Technology	2018	13	Nil	PSNA College of Engineering and Technology
ENGULFING THE MULTIMEDIA NUANCESTO ENRICH THE LISTENING SKILLS OF ENGINEERING STUDENTS	N.Shabnam niher S.Manimekalai S.Viji	Internat ional Journal of Mechanical Engineerin g and Technology	2018	13	Nil	PSNA College of Engineering and Technology
NEED BASED STRATEGIES TO IMPROVE THE PRIME SKILL OF MECHANICAL ENGINEERING STUDENTS	Dr.V.Chithra Devi P.Elizabeth Kalpana M.K.Subashini	Internat ional Journal of Mechanical Engineerin g and Technology	2018	13	Nil	PSNA College of Engineering and Technology PSNA College of Engineering and Technology PSNA College of Engineering and Technology

AZADIRAC HTA INDICAL EXTRACTS as green inhibitor for mld steel in sea water	N.Vellachi	International Journal of Mechanical Engineering and Technology	2018	13	Nil	PSNA College of Engineering and Technology
Preparation and characterization of NiS thin film on ITO coated glass substrate for solar cell applications	M.Thangaraj K.Jeyalakshmi	International journal of pure and applied Mathematics	2018	20	Nil	PSNA College of Engineering and Technology
Fuzzy Weighted Histogram Equalization For Contrast Enhancement Of Mammogram Images	Magudeeswaran Veluchamy, K. Balasubramanian	International Journal of Biomedical Engineering and Technology	2018	6	Nil	PSNACET
A novel comparative study on breast cancer detection using different types of classification techniques	Subramanian Maruthathuraj Vijayarajan and P.Jaganathan	Concurrency and Computation Practice and Experience	2018	6	Nil	PSNACET
An Effective Quality Analysis of Xml Web Data Using Hybrid Clustering and Classification Approach	Gopianand.M, Jaganathan.P	Soft Computing	2019	9	Nil	PSNACET
Customer Satisfaction Through	Ms. U. Geetha	Journal of Emerging T	2018	1	Nil	PSNACET

Six Sigma Approach: A Study In A Textile Showroom, Dindigul		Technologies and Innovative Research (JETIR)				
Quality of online banking: A SERVQUAL approach	Dr. N. Geethanjali, Dr. M. Parveen Roja	Paripex - Indian Journal of Research	2018	1	Nil	PSNACET
Impression of QWL On Psyche Health Among Nurses In Dindigul District, Tamilnadu	Dr. S. Jayaraman	Journal of Management Wisdom	2018	1	Nil	PSNACET
Inventory Model with the Unification of the Cost Parameters of Total Quality Management (TQM)	Dr. A. Aleeswari	PSNA Journal of Business and System	2018	1	Nil	PSNACET
Assessment of Students ethical behavior and attitude towards teachers in higher education	Dr. T. Muthupandian, Dr. K. Bhagyalakshmi	Vidyaniketan - Journal of Management Research	2018	1	Nil	PSNACET
FDLA: Fractional Dragonfly based Load Balancing Algorithm in Cluster Cloud Model	Ashok kumar, C., Vimala, R., Aravind Britto, K.R., Sathyadevi, S	Journal of Cluster Computing	2019	1	4	PSNA College of Engineering and Technology
A Mathematical Model to	Bhaskaran, R., Muthup	International Journal of	2018	1	Nil	PSNA College of Engineerin

Predict and Optimize the Gas Metal Arc Hardfaced Stelite 6 Weldbead on Low Carbon Steel	andi, G., Senthilkumar, P	Mechanical Engineering and Technology				g and Technology
Multiple kernel scale invariant feature transform and cross indexing for image search and retrieval	Mathan Kumar, B., Pushpalakshmi, R.	Imaging Science Journal	2018	5	Nil	PSNA College of Engineering and Technology
Current Research Impacts in Wireless Sensor Network	Sasikala, N., Pavalarajan, S., Prasanth, A, Karuppasathal, R	International Journal of Engineering and Technology	2018	Nil	3	PSNA College of Engineering and Technology
Fuzzy Logic Based Jamming Detection Algorithm for Cluster based Wireless Sensor Network	Vijayakumar, K. P., Ganeshkumar, P., Anandaraj, M., Selvaraj, K., Sivakumar, P	International Journal of Communication Systems	2018	5	Nil	PSNA College of Engineering and Technology
Multiple Criteria Decision Analysis Based Overlapped Latent Fingerprint Recognition System Using fuzzy Sets	Venkatesh, R., Uma Maheshwari, N., Jeyanthi, S	International Journal of Fuzzy Systems	2018	8	3	PSNA College of Engineering and Technology
An Improving Medical	Ilangovan, S.,	Journal of Cluster Computing	2019	18	Nil	PSNA College of Engineering

Diagnosis Performance using Hybrid Feature Selection via Relief and Entrophy based Genetic Search (RFEGA) Approach: Application to Breast Cancer Prediction	Vincent Antony Kumar						g and Technology
A Hybrid Feature Selection Method For Effective Data Classification In Data Mining Applications	Ilangovan, S., Vincent Antony Kumar	International Journal of Grid and High Performance Computing	2019	18	Nil		PSNA College of Engineering and Technology
Feature Selection and Parameters Optimization of Support Vector Machines Based on Hybrid Glowworm Swarm Optimization for Classification of Diabetic Retinopathy	Mr.R.Karthikeyan	Journal of Medical Systems	2018	4	4		PSNA College of Engineering and Technology
An Autonomous IoT Infrastructure for Forest Fire Detection and Alerting	Dr.T.Hemalatha	International journal of Pure and Applied Mathematics	2018	2	1		PSNA College of Engineering and Technology

System						
Multiple criteria Decision Analysis based Overlapped Latent Fingerprint Recognition System using Fuzzy sets.	Dr.N.Uma Maheswari	International Journal of Fuzzy Systems	2018	8	3	PSNA College of Engineering and Technology
Novel energy efficient predictive link quality based reliable routing for wireless multimedia biosensor networks in biomedical invention research and bionic utilities monitoring application.	Dr.N.Uma Maheswari	International journal of biomedical engg tech	2018	8	2	PSNA College of Engineering and Technology
Exploiting the local optima in genetic algorithm using tabu search	M Sivaram, K Batri, AS Mohammed, V Porkodi	Indian journal of science and technology	2019	5	23	PSNA College of Engineering and Technology
Analysis and Performance Evaluation of Control Methods for LLC Resonant	N SOUNDI RARAJ	Journal of Computational and Theoretical Nanoscience,	2018	Nil	1	PSNA College of Engineering and Technology
Efficient VLSI Archi	M.Thiruvani	Proceedings of the National	2018	1	Nil	PSNA College of Engineering

ecture for 16Point Discrete Cosine Transform		Academy of Sciences, India Section A: Physical Sciences				g and Technology
"Design of Reversible test pattern generator using novel reversible gates	N.Brindha Dr.A.Kaleel Rahuman	International Journal of Pure and Applied Mathematics	2018	3	1	PSNA College of Engineering and Technology
Performance and Analysis of Transmultiplexers Using Decimator and Interpolators	S. Arunkumar P. Ganesh Kumar	Journal of Circuits, Systems, and Computers	2019	Nil	2	PSNA College of Engineering and Technology
An optimization algorithm based resource allocation for cooperative cognitive radio networks	GP Bharathi, K Meena Alias Jeyanthi	The Journal of Supercomputing	2018	3	Nil	PSNA College of Engineering and Technology
A Smart Navguide System for Visually Impaired	C. Chitra	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2	Nil	PSNA College of Engineering and Technology
Design and implementation of textile antenna and their comparative analysis of performance parameters	E Thangaselvi, K.Meena Alias Jeyanthi	International Journal of Biomedical Engineering and Technology 30 (4), 295328	2019	3	1	PSNA College of Engineering and Technology PSNA College of Engineering and Technology PSNA College of Engineering

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Performance analysis of IOT based smart sensors in agriculture applications	Dr.G.Athisha, Mrs.G.Sasi, Mrs.P.G.Akila, Mrs.R.Ambika	International Journal of Mechanical Engineering and Technology	2018	5	Nil	PSNA College of Engineering and Technology
Investigation on unpeened and laser shock peened dissimilar weldments of Inconel 600 and AISI 316L fabricated using activated TIG welding technique	G.Chandrasekar M.Vasundara C.Kailasanthan	Journal of Manufacturing Processes, 35, 466478	2018	2	2	PSNA College of Engineering and Technology
Metallurgical characteristics of armour steel welded joints used for combat vehicle construction	G.Magudേശwaran V. Balasubramanian GM. Reddy	Defence Technology, 14 (5), 590606	2018	9	2	PSNA College of Engineering and Technology
Durability Studies on Concrete Containing Treated Used Foundry Sand	N. Gurumoorthy, K. Arunachalam	Construction and Building Materials	2019	3	3	PSNA College of Engineering and Technology
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
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Attended/Seminars/Workshops	2	54	34	124
Presented papers	24	10	1	1
Resource persons	Nill	6	2	7
View File				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Health Awareness Program to Kuthathupatti Village	Government of India (Unnat Bharat Abhiyan 2.0)	2	30
Field trip to Kutathupatti village for surveying peoples basic needs	PSNACET	3	50
Free medical Camp	St.Joseph's Hospital, Dindigul (Unnat Bharat Abhiyan)	8	174
1000 saplings plantation Ceremony in Kutathupatti Village	Government of India (Unnat Bharat Abhiyan 2.0)	5	300
Master health checkup for PSNACET drivers	Apollo Hospitals, Madurai	8	80
A Social Awareness Program on First Aid Skills and Emergency Care during Medical Crisis	Alert NGO, Chennai	3	719
Blood Donation Camp	Blood Donors Club PSNACET	1	15
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Social Activity	Best Motivator Award	Indian Red cross society	Nill
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Unnat Bharat Abhiyan	MHRD	Health Awareness Program to Kuthathu patti Village, Free medical Camp, 1000 saplings plantation Ceremony in Kutathupatti Village	15	504
Health check up for Drivers	PSNACET/ Apollo Hospitals, Madurai	Master health checkup for PSNACET drivers	8	80
Swachh Bharat	PSNACET	Swachh Bharat Summer Internship Programme	1	11

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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Analysis and design of residential building	Design Forum India Private Limited 36, Sundaresan Layout Coimbatore 641018	14/01/2019	21/01/2019	AATHIRAI T
Internship	Planning and analysis of ladies hostel	Junaid Con structions, New No.9, Puram	12/01/2019	24/01/2019	APARNA KS

		Prakasam Road, Baaji Nagar, Royapettah, Chennai 14			
Internship	Planning, Analysis and design of commercial building	Executive Engineer, PWD, Buildings (C M) Division, Madurai 2	21/01/2019	28/01/2019	BENAZIR FATHIMA S
Internship	Analysis and design of a G4 apartment building	C Design Studio 80 feet Road, Anna Nagar, Madurai 625020	02/01/2019	16/01/2019	CASMIR A
Internship	Design of residential building	Shalom Construction, 1/121, Sempatti , Dindigul 624701	12/01/2019	23/01/2019	DANIEL ROCHE D
Internship	Design of residential building	Roshma Engineering Innovations Pvt Ltd, No.1 Chengarajulu Street, Saligramam, Chennai - 93	17/01/2019	23/01/2019	ELAMARAN R
Internship	Analysis and design of a restaurant building	Office of the Assistant Executive Engineer, PWD, Buildings ((C M) Division, Dindigul	18/01/2019	27/01/2019	GEETHANJALI K
Internship	Analysis and design of a restaurant building	Er.T.S.Jan arthanan, 7A, panthady 8th st., 1st floor, Near - Thavittu Sandhai, Madurai	11/01/2019	21/01/2019	GOKUL P
Internship	Planning, Analysis and design of residential apartment	Junaid Constructions, New No.9, Puram Prakasam	12/01/2019	24/11/2019	GOWSALYA VINOTHINI S

	building	Road, Baaji Nagar, Royapettah, Chennai 14			
Internship	Construction of church building	Venus Builders, No.6, 1st Floor, manju mansion, church colony opp bishop heber college, Trichy 17	11/01/2019	22/01/2019	HARI KRISHNAN P
Internship	Analysis and design of a restaurant building	Office of the Assistant Executive Engineer, PWD, Buidings ((C M) Division, Dindigul	18/01/2019	27/01/2019	JANANI LR
Internship	Planning, Analysis and design of a theatre building	Er.T.S.Jan arthanan, 7A, panthady 8th st., 1st floor, Near - Thavittu Sandhai, Madurai	11/01/2019	22/01/2019	JOSEPH VIANNY X
Internship	Analysis and design of a G2 residential building	C Design Studio 80 feet Road, Anna Nagar, Madurai 625020	02/01/2019	16/01/2019	KIRAANITH B
Internship	Analysis and design of residential building	L.Veeramni, Structural Engineer, 24J/1 Old Kayavapalayam Road, Ralin castle, Madurai 9	18/01/2019	25/01/2019	MANI BHARATHI S
Internship	Analysis and design of residential building	Executive Engineer, PWD, Buildings (C M) Division, Madurai 2	21/01/2019	28/01/2019	MANJU PRIYADHARSHINI R
Internship	Analysis and design	Office of the	18/01/2019	27/01/2019	MARY DAYANA P,

	of a restaurant building	Assistant Executive Engineer, PWD, Buildings ((C M) Division, Dindigul			MEENA M
Internship	Analysis and design of a shopping mall	L.Veeramni, Structural Engineer, 24J/1 Old Kayavapalayam Road, Ralin castle, Madurai 9	18/01/2019	25/01/2019	MOHANA PAVITHRA C
Internship	Planning, Analysis and design of Bank building	VRS Construction Consultancy, No.30C, Angu Bharathi nagar, Dindigul - 3	12/01/2019	22/01/2019	NAVEENA E
Internship	Analysis and design of underground circular water	Shalom Construction, 1/121, Sempatti , Dindigul 624701	12/01/2019	23/01/2019	NIRANJAN K
Internship	Analysis and design of a G2 residential building	C Design Studio 80 feet Road, Anna Nagar, Madurai 625020	02/01/2019	16/01/2019	PRAKASH M
Internship	Analysis and design of residential building	Design Forum India Private Limited 36, Sundaresan Layout Coimbatore 641018	14/01/2019	21/01/2019	RAGAVI NALINA P. RAKSHANA P
Internship	Analysis and design of RDO quarters building	Executive Engineer, PWD, Buildings (C M) Division, Madurai 2	21/01/2019	28/01/2019	RUBA CAROLIN C
Internship	Analysis and design of residential building	SG Structural Engineers, 53, M A palanisamy	19/01/2019	31/01/2019	SARATHI VNA

		street, saibaba colony, K.K Pudur, Coimbatore - 38			
Internship	Analysis and design of residential building	Design Forum India Private Limited 36, Sundaresan Layout Coimbatore 641018	14/01/2019	21/01/2019	SHARMILA SHALOOM R
Internship	Analysis and design of residential building	AKR Designs, No.7F, Naiker new 3rd street, Dindigul - 1	18/01/2019	25/01/2019	SHEIK ABDULKADHER S
Internship	Analysis and design of residential building	Junaid Con structions, New No.9, Puram Prakasam Road, Baaji Nagar, Royapettah, Chennai 14	12/01/2019	24/01/2019	SURAJ HARISH V
Internship	Analysis and design of residential building	SG Structural Engineers, 53, M A palanisamy street, saibaba colony, K.K Pudur, Coimbatore - 38	19/01/2019	31/01/2019	SUTHANTHIGA S M
Internship	Analysis and design of residential building	Shalom Con struction, 1/121, Sempatti , Dindigul 624701	12/01/2019	23/01/2019	VIGNESH V
Internship	Analysis and design of residential building	L.Veeramni, Structural Engineer, 24J/1 Old Ka yavapalayam Road, Ralin castle, Madurai 9	18/01/2019	25/01/2019	VINOTHINI

Internship	Analysis and design of residential building	Executive Engineer, PWD, Buildings (C M) Division, Madurai 2	21/01/2019	28/01/2019	YAZHINI KRISHNA P
Internship	CNC Training	CoIndia, Coimbatore	06/05/2019	16/05/2019	3 Students
Internship	Engineering Graduate Apprentice	DEBEL, DRDO, C.V.Raman Nagar, Bangalore Ph .No:25058332	18/07/2018	18/07/2019	Ms.S.Vaibh ave
On the job training	On the job training	Roots Industries India Limited, CBE Stamping, Injection Moulding Die Casting	04/01/2019	11/01/2019	349 students
On the job training	On the job training	Roots Industries India Limited, CBE Stamping, Injection Moulding Die Casting	13/02/2019	27/02/2019	312 students
Training	Internship	M/S.ZOHO(INTERNSHIP CUM OFFER)	02/01/2019	30/03/2019	5 Students
Training	Internship	M/s.Cognizant	02/01/2019	30/03/2019	20 students
Training	Internship	M/s.Amphisoft Technologies(INTERNSHIP CUM OFFER)	02/01/2019	30/01/2019	PONSUNDAR S.
Measurement activities	Project work	Various Engineering Institutions	02/07/2018	28/06/2019	All Students and Research Faculty
Internship	Training	HFFC, Chennai	05/02/2019	28/05/2019	1student
Internship	Training	Cognizant Technology Solutions , Chennai	19/01/2019	18/05/2019	2 students
Internship	Training	Value Labs,	03/01/2019	03/04/2019	1student

		Hyderabad			
Internship	Training	TNPL, Karur	30/05/2019	14/06/2019	4 students
Internship	Project Trainee	Cognizant Technology Solutions , Chennai	19/01/2019	20/05/2019	33 students
Internship	Project Trainee	Wipro Tech nologies, Chennai	10/01/2019	09/04/2019	7 students
Internship	Project Trainee	ZOHO Corporation Chennai	02/01/2019	02/06/2019	5 students
Internship	Project Trainee	ScapicPvt. Ltd, Bengaluru	02/01/2019	02/04/2019	1 students
Internship	Project Trainee	Solaritis Tech. Services, Madurai	02/01/2019	02/04/2019	1students
Internship	Project Trainee	Value Labs, Hyderabad	03/01/2019	03/04/2019	1students
Internship	Project Trainee	Amazon Development Centre India, Chennai	03/04/2019	30/06/2019	1students
Internship	Project Trainee	FabulystPv t.Ltd, Bengaluru	20/12/2018	20/06/2019	1students
Internship	Project Trainee	Purpleslate Pvt. Ltd, Chennai	02/01/2019	30/03/2019	1students
Internship	Project Trainee	Zappy Works Software Solutions, Chennai	02/01/2019	02/06/2019	3 students
Internship	Project Trainee	Treasureai, Bengaluru	11/07/2018	15/08/2018	1students
Internship	Project Trainee	HCL Techno logies, Madurai	04/01/2019	04/02/2019	4 students
Internship	Project Trainee	Kaashiv Info Tech, Chennai	31/12/2018	04/01/2019	5 students
Internship	Project Trainee	Cloud Bull India,	23/07/2018	24/08/2018	4 Students

		Chennai			
Internship	Project Trainee	Aaria Life, Pune	24/12/2018	24/06/2019	1 Student
Internship	Project Trainee	Tactopus Learning Solutions Private Limited Bangalore	11/06/2018	15/08/2018	2 Students
Internship	Training	Six Phrase, Coimbatore	03/12/2018	31/05/2019	1 Student
Internship	Training	Scapic Innovations Private Limited, Bangalore	02/01/2019	09/04/2019	3 Students
Internship	Training	Purple Slate Private Limited Chennai	02/01/2019	31/03/2019	2 Students
Internship	Training	Zoho Technologies, Chennai	02/01/2019	30/04/2019	2 Students
Internship	Training	Solartis, Chennai	02/01/2019	30/03/2019	2 Students
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
V Land Hub PVT.LTD	23/03/2019	To provide knowledge on civil software	50
Biovision Medical Systems, Chennai	23/10/2018	<ul style="list-style-type: none"> • Exchange of Faculty and Student • Biomedical Equipments handson Training • Industrial Visits and Inplant Trainings • Cooperative Research • Placement Activities • Conducting Seminars and workshops on recent trends in Biomedical Engineering 	150

E. I. T - Training Rpo, Madurai	23/10/2018	• Mutually beneficial Academic Programs • Exchange of Documentation • Undergo training in Medical Coding • Recruitment for Final Year students	150
Mahendra Pumps, Coimbatore	30/01/2019	Consultancy Work	80
CoIndia, Coimbatore	10/12/2018	CNC Training Placement	3
IBM India Private Limited, Bengaluru.	29/11/2018	Providing best in class Value added courses to Students and Faculty Members in the domain of Cloud Computing, Mobility and Data Analytics, IBM Bluemix, IBM SPSS Modeller", IBM Bluelight	288
Centre for Advanced Computing CDAC	24/01/2019	Training and Certification Programme on Cloud computing to students	60
REDHATLinux	24/01/2019	To give a training on Open source software.	60
Intel Intelligent Systems lab	04/02/2019	Students are trained and certified on Internet of things and motivate to do IOT related projects.	60
BOT labCentre for Excellence	05/02/2019	Grant a training and certification on Robotic Process Automation to students	60
Bluetronics, Bengaluru	12/07/2019	"Train the Trainers" (16.08.19 to 21.08.19) 5 Days Hands on Training "IoT with NODEMCU"(03.09.19 to 13.09.19)	116

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1805	163.83

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Smart library	Fully	20	2015

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	96047	238	1357	4	97404	242
Reference Books	96047	238	1357	4	97404	242
e-Books	2715	Nil	Nil	Nil	2715	Nil
Journals	117	3	5	1	122	4
e-Journals	2628	16	2354	10	4982	26
Digital Database	1	Nil	1	Nil	2	Nil
CD & Video	7617	Nil	415	Nil	8032	Nil
Others(s pecify)	16657	29	1276	Nil	17933	29

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. N. MAHENDRAN	Unique Properties of Soils	Institutional Video Lecture Series	26/12/2018
Dr. G.V.T. GOPALAKRISHNA	Chain Surveying	Institutional Video Lecture Series	26/12/2018
Dr.K.MURALIDHARAN	Power Plant Engineering	Institutional Video Lecture Series	26/12/2018
Mr. N. HARIKANNAN	Introduction to Automobile Engg	Institutional Video Lecture Series	26/12/2018
Mrs. N. SELVARANI	555 Timer	Institutional Video Lecture Series	26/12/2018
Dr. K. MAHADEVAN	Power System Stability	Institutional Video Lecture Series	26/12/2018
Dr. M. REVATHY	Basics of Computer Networks	Institutional Video Lecture Series	26/12/2018
Dr. V. MAGUDEESWARAN	Memory and Programmable Logic	Institutional Video Lecture Series	26/12/2018
Dr. N. UMA MAHESWARI	Apriori Algorithm in Data Mining	Institutional Video Lecture Series	26/12/2018
Dr.J.BENADICT RAJA	Instruction Level Parallelsim	Institutional Video Lecture Series	26/12/2018
Dr. R. BHASKARAN	Global System For Mobile Communication	Institutional Video Lecture Series	26/12/2018
Dr. A. VINCENT ANTONY KUMAR	Data Mining : Communication Classification	Institutional Video Lecture Series	26/12/2018
Dr .VE. JAYANTHI	Op Amp_Linear Application	Institutional Video Lecture Series	26/12/2018
Mrs. P. SUTHA	Artificial Neural Network for Pattern Classification	Institutional Video Lecture Series	26/12/2018
Dr. S. MANIMARAN	Framework of Marketing	Institutional Video Lecture	26/12/2018

Dr. P.JAGANATHAN	Evolutionary Computational Techniques For Data Mining	Series Institutional Video Lecture Series	26/12/2018
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1650	25	1650	0	25	2	9	260	0
Added	0	0	0	0	0	0	0	240	0
Total	1650	25	1650	0	25	2	9	500	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

500 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
PSNA DIGITAL LIBRARY	http://192.168.10.5/gsd1

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
688	650.05	797.5	673.8

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

ACADEMIC PROCESS QP details the academic process identifying the process input, process output, process interface and process monitoring requirements. In addition, the procedures detailing the sub process like 1. Academic Planning which includes • Inter departmental Program (Service Program) Planning • Finalization of Electives • Time table Preparation 2. Delivery of Program • Theory Classes • Laboratory Works • Project Work • Summer Projects • Comprehension for UG programs • Seminar Sessions 3. Attendance 4. Monitoring the Class Activities 5. Assessment 6. Reference Materials 7. New Faculty Evaluation 8. In plant training 9. Feedback • Class committee meetings • Students' feedback: 10. Control of Nonconforming Services 11. Department Meetings 12. Performance Analysis LIBRARY QP details the process of monitoring library services. The purpose is to provide library services to faculty and students for updating them with the latest developments in the relevant field. It details the process of monitoring library services like Purchase of Books and Journals, Receipt of Books, Reference Books, Subscription of Periodicals, Non Book Material, New Arrivals, Issue and Return of Books/Back volumes// Non

book materials, Stock Verification, Identification and Maintenance of Books, Photocopy Service and Library General Rules. GENERAL MAINTENANCE QP details the maintenance process. General maintenance includes maintenance of buildings, electrical equipments/facilities, Fire Extinguishers and Housekeeping. The purpose is to carry out both preventive and breakdown maintenance of infrastructure facilities. Deviation in completing of preventive maintenance is monitored once in three months. These are reviewed by Principal and suitable corrective and preventive actions are planned. PHYSICAL EDUCATION QP details the process of providing physical education services. The Physical Education Director heads the Department of Physical Education. In addition to the PED, faculty members are also provided (Director of Physical Education (both male and female) to assist him in planning and conducting sports and games. In order to maintain the indoor stadium, a Stadium Incharge is also provided. Markers are also provided to assist the PED in the conduct of the sports and games and maintenance of the facilities. Their specific responsibilities and authorities are given above. The Department of Physical Education of PSNACET provides facilities for both outdoor and indoor games for the interested students to practice as well as conduct of intramural and extramural events in sports and games. Multipurpose indoor stadium provide courts for badminton and table tennis. Fitness centre is also provided as part of the Physical Education department.

http://psnacet.edu.in/psna_iqac.html

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Sports Quota	46	6863900
Financial Support from Other Sources			
a) National	Central /State Govt	2130	16036095
b)International	Nil	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Special seminar on C programming	23/02/2019	120	Dr.M.Rajinikannan ,ASP/MCA, PSNACET
Zoho Training	03/06/2019	150	PSNA Faculty members
Java PRP training	10/06/2019	150	PRP Certified Faculty members
Seminar on Higher Studies in US	12/07/2018	280	Mrs.Shanthi Mohan, US Embassy, Chennai
Guest Lecture on Career Opportunities	28/09/2018	60	Mr.Udhaya Shankar, NASSCOM, Chennai

Soft skill development	02/07/2018	60	Evel Career Builders
Remedial coaching	19/12/2018	15	PSNA Faculty members
Yoga	30/07/2018	18	Arivu Thirukovil (Temple of Consciousness)
Bridge courses	06/08/2018	18	PSNA Faculty members
Aptitude Training	02/07/2018	59	M/s.Top Freshers, Chennai59
Aptitude Training	03/07/2018	64	M/s.EduRights, Chennai
Aptitude Training	04/07/2018	60	M/s. FACE, Coimbatore
Aptitude Training	05/07/2018	60	M/s.Infoziant, Chennai
Skill Rack Assessment Practice	29/08/2018	131	Skill Rack
Yoga, Meditation	22/08/2018	72	Valga valamudan Ashramam
Java PRP Training	18/06/2018	138	PRP Certified Faculty members and Wipro
Placement Training	02/07/2018	64	IIHT APTITUDE TRAINING
Placement Training	28/08/2018	30	TCS SPECIFIC TRAINING
Placement Training	05/09/2018	30	CTS SPECIFIC TRAINING
REACH'19 (Android Development Workshop)	08/03/2019	8	College of Engineering, Guindy Anna University, Chennai
Mentoring	23/07/2018	60	Corresponding Mentor
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Java PRP Training	138	138	54	31
2019	Skill Rack Assessment	131	131	104	85

	Practice				
2019	Aptitude Training	243	243	201	194
2019	Career Awareness Programme CAP'19	56	190	Nil	167
2019	Placement Training	64	64	Nil	6
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
70	1250	850	11	475	54
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.E	BIOMEDICAL ENGINEERING	Anna University, Guindy.Chennai	M.E.Medical Electronics
2019	1	B.E	BIOMEDICAL ENGINEERING	Karunya Institute of Technology and Sciences	M.Tech., BIOMEDICAL ENGINEERING
2019	1	B.E	Computer Science Engineering	Alagappa Institute of Management, Karaikudi	MBA
2019	1	B.E	Computer Science Engineering	Kalasalingam Business School, Virudhunagar Kumaraguru	MBA
2019	1	B.E	Computer Science	College of Technology,	MBA

			Engineering	Coimbatore	
2019	1	B.E	Computer Science Engineering	RVS Institute of Management, Coimbatore	MBA
2019	1	B.E	Computer Science Engineering	Sri Saraswathi Thiagarajar College, Pollachi	MBA
2019	1	B.E	Computer Science Engineering	Bishop Heber College, Thichy	MBA
2019	1	B.E	Mechanical Engineering	Government college of Engineering, Salem	ME
2019	1	B.E	Mechanical Engineering	Sri Krishna College of Engineering and technology, Coimbatore	MBA
2019	1	B.E	Mechanical Engineering	Bannari amman institute of technology, Sathyamangalam	ME
2019	1	B.Tech	Information Technology	PSNACET	ME
2019	1	B.Tech	Information Technology	PSNACET	ME
2019	1	B.Tech	Information Technology	PSNACET	ME
2019	1	B.Tech	Information Technology	PSNACET	ME
2019	1	B.Tech	Information Technology	PSNACET	ME
2019	1	B.Tech	Information Technology	Sri Krishna Institute of Management	MBA
2019	1	B.E	Civil Engineering	Sri Krishna	M.E Structural

				college of engineering, Coimbatore	Engineering
2019	1	B.E	Civil Engineering	Sri Krishna college of engineering, Coimbatore	M.E Structural Engineering
2019	1	B.E	Civil Engineering	Thiagarajar college of engineering, Madurai	M.E Environmental Engineering
2019	1	B.E	Civil Engineering	Sri Krishna college of engineering, Coimbatore	M.E Structural Engineering
2019	1	B.E	Civil Engineering	SSN college of engineering, Chennai	MBA
2019	1	B.E	Civil Engineering	Thiagarajar college of engineering, Madurai	M.E Infrastructure Engineering
2019	1	B.E	Civil Engineering	PSNA college of engineering and technology, Dindigul	M.E Structural Engineering
2019	1	B.E	Civil Engineering	PSNA college of engineering and technology, Dindigul	M.E Structural Engineering
2019	1	B.E	Civil Engineering	ECU EDITH Cowan university, Australia	M.S
2019	1	B.E	Civil Engineering	PSNA college of engineering and technology, Dindigul	M.E Structural Engineering
2019	1	B.E	Civil Engineering	Kamaraj college of engineering and technology,	M.E Structural Engineering

				virudhunagar	
2019	1	B.E	Civil Engineering	PSG college of technology, Coimbatore	MBA
2019	1	B.E	Civil Engineering	Thiagarajar college of Engineering, madurai	M.E Infra structure Engineering
2019	1	B.E	Civil Engineering	Thiagarajar school of management, madurai	PGDM
2019	1	B.E	Civil Engineering	Udaya school of engineering, kanyakumari	M.E Structural Engineering
2019	1	B.E	Civil Engineering	K.S.R college of engineering, Tiruchengode	M.E Structural Engineering
2019	1	B.E	Civil Engineering	PSNA college of engineering and technology, Dindigul	M.E Structural Engineering
2019	1	B.E	Civil Engineering	PSNA college of engineering and technology, Dindigul	M.E Structural Engineering
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
Any Other	10
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Biohipsters	Institution level	120
IEEE EMBS SPS MEDTROUVER	Institution level	60
Women's Day Celebration	Institution level	100
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Runner	National	1	Nill	92131612 1042	Sasi Kumar.M
2019	Winner	National	1	Nill	92131712 1012	Derek Jetter.T.X
2019	South zone inter university Winner	National	1	Nill	18MESE15	Mani bharathi.S
2019	Second Prize	National	1	Nill	17EC236	M.Siddha rth
2019	Second Prize	National	1	Nill	17EC212	N.Samy Nathan
2019	First Prize	National	1	Nill	17EC188	Rajalaks hmi.S
2019	First Prize	National	1	Nill	18ECtr3	K.Priyad arshini
2019	First Prize	National	1	Nill	17EC58	A.Muruge swari
2019	First Prize	National	1	Nill	18EC144	S.Prem Kumar
2019	First Prize	National	1	Nill	18EC133	Nandhini.R
2019	First Prize	National	1	Nill	18EC165	Rajalaks hmi.B
2019	First Prize	National	1	Nill	18EC214	S.Sujitha
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The College has various academic and administrative bodies that have student representatives in them. This representation helps them to create more avenues to develop technical skill, updating knowledge on the subjects, personality development, leadership skills and service to society through the following Societies/Associations CSI,SAE,IEEE,ISTE,IETE,Aero Club,NSS, Roctract club, Blood donors club etc., Further, students give their representation in the class committee which includes faculty members, students with good academic and slow learners. The class committee gives full freedom and wisdom for the students to define and plan their teaching learning process. In addition to that students have been given full autonomy to elect members for the association. Technical Chapters and club activities such as Roctract, RedCross etc engage the students to take part many events, programmes through it. For these clubs, a number of activities are conducted every year to enhance various skills of the students. Students act as organizers and volunteer for many programmes. In google's club(Developers student club) the students build their

professional and personal networks, get access to Google developer resources, and work together to build solutions for local problems in peer to peer learning environment. And also we conduct inter college technical symposium every year. Students organize many events such as paper presentation, multimedia presentation, quizzes and non technical events. In addition to all, students play important role in hostels also in the development facilities as well as day to day activities. The student committees have been formed to monitor mess, maintenance, hostel library, and computer centre and recreation activities. Mentor system is maintained by the department. Each faculty is assigned with students and proctor meeting is conducted by the tutor to their students to address their issues during the course period. They are advised to follow the college rules and regulations for the successful completion of the course. In mentor system students are continuously monitored, motivated and counselled whenever necessary. Online Feedback system is maintained by the college for the students to give feedback on their concern subject. Based on the feedback remedial actions are taken whenever necessary.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

3000

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

1989 1993 Batch 07072018 Silver Jubilee Alumni Reunion. 1990 1994 batch 20072019 silver Jubilee Alumni reunion. Silver Jubilee Reunion Guest Lectures was held on 19.7.2019 by 1994 Alumni. 2003 civil engineering passed students get -together on 03082019. Career Awareness Programme CAP 2019 was held on 4.3.2019 and 5.3.2019 by 2014 Alumni. Career Awareness lectures were held on 16.2.2019 for III ECE students. BME Department alumni meet was conducted on 9.2.2019. A guest lecture was given on the topic "Evolving Career in IT" by 1988 Alumni Mr.Ravi Ramasamy, Senior Director of American Red Cross, Washington on 23.7.2018.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Decentralization The entire system is effectively decentralized for a better governance and performance. The strategic plans and major decisions related to academic and administrative tasks are thoroughly discussed in the Governing Council meeting. The decisions taken are executed by the Head of the institution. Decision making authority is well decentralized in this system. The college has supported decentralization and participative management as a form of good governance. The Principal, who is the academic head of the institution, is given sufficient freedom by the management to fulfill the vision and mission of the Institution. Academic responsibilities are fairly divided among all the faculty members by their heads of various departments. The Committees are framed for the various curricular, cocurricular and extracurricular activities to be executed and this ensures transparency in

policy execution. The responsibilities are communicated to the faculty members through regular department meetings. Various co curricular and extracurricular activities are conducted through students having a faculty incharge. The Principal holds regular meetings with the heads of the departments. In these meetings, various issues are taken up for discussion before arriving at a final decision. The HODs monitor the functioning of the departments and they conduct regular meetings with the faculty members. The HODs and the faculty members ensure proper implementation of the policies prepared by the Governing Council. Participative Management Yes, the college promotes a culture of participative management. Participative management levels are Management, Principal, and Heads of the departments, Faculty members and Students. At each level they take active part in planning and implementation of policy and matching it with the policy of the institute. Faculty is involved in planning and implementation of the academic and teaching learning processes. • A faculty is assigned as class incharge and is responsible for the academic performance of the class. • The class incharges discuss with respective HODs regarding the action plans to be followed for the overall improvement in the academic performance of the students. • Every faculty is allocated with a set of 15 students for mentoring and he/she is responsible for the overall development of the students. • All the faculty members involve in organizing various events at department level and at college level. • In the class committee meetings students participate and give their suggestions for various kinds of assistance needed in academics, cocurricular and extracurricular activities and the same is effectively implemented by the concerned authorities.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	Quality improvement strategies adopted by the institution for each of the following (with in 100 words each): As an affiliated college, the Institution follows Anna University curriculum. Through curriculum Enrichment Committee, we discuss with Internal and external experts from academia and experts from Industry and Alumni for Enriching the Curriculum. After discussion, the steps are being taken to bridge the gap between industrial needs and our curriculum by conducting value added courses and hands on training. The curriculum deliverance is communicated through academic calendar, college official website, department notice board and staff log book.
Teaching and Learning	Outcome based education method is followed in our institution. The creation of learning environment in classes which includes critical thinking, case analysis and creativity. For all programmes practical

orientation is insisted in the form of projects, Mini projects, industrial visit, guest lectures, workshops, seminars. Teaching and Learning process is strengthened with the help of elearning resources, Online Learning (Moodle) software. Faculty development programmes and inservice training are conducted once in a year to enrich their teachinglearning methods. Remedial classes are given to slow learners. Training for placements, Mock interviews and group discussion are a part of academic exercises helping them in placements.

Examination and Evaluation

Departmental examination cell is responsible for conducting three internal assessment tests. The internal question papers are designed based on blooms taxonomy that derives Knowledge, Comprehension, Application, Analysis, Synthesis, and Evaluation. The answer papers are evaluated from the 3 days after the completion of the exams using central evaluation. Internal marks are allotted based on the assessment test marks. The attendance as well as internal assessment marks are communicated to the parents through mobile, letters and parent teachers meeting conducted every semester to review the performance of the students.

Research and Development

Faculty members and students are motivated to publish their research papers in reputed national and international journals / conferences. Faculty members are guiding the students to do grantin aid research under student project scheme.

Library, ICT and Physical Infrastructure / Instrumentation

Library: Library Advisory Committee ensures that sufficient number and volume of books and ejournals. Digital library facilities are maintained through library software. ICT: All class rooms, tutorials rooms, seminar halls, computer laboratories are enabled with ICT tools. National Programme on Technology Enhanced Learning Centre comprising video outlet has been established. Physical infrastructure/instrumentation: 3 A/C Auditoriums, guest rooms, medical centre with two ambulances, 3 cafeteria, coffee day, 3 ATMs, adequate parking space, 60 buses, 5 A/C Conference Halls and, Hostels for boys and girls with the capacity to

accommodate 4000 students, 2600 networked terminals with 260 Mbps internet and WiFi enabled campus, HT supply backup capacity generators, 450 CCTVs, indoor stadium.

Human Resource Management

HOD from each department forwards faculty and staff requirement to experts Committee consisting of Principal, Dean Academic, HOD, senior faculty and External subject expertise for further action as per the AICTE Anna University norms. Adequate number of qualified teaching and supporting staff are appointed through procedures of open advertisement, demonstration interview by the expert committee. The institution supports faculty members for their continued service in the institute, for pursuing higher studies, conducting research by spending time away from institute.

Industry Interaction / Collaboration

The college has signed total number of 26 MOUs with different industries and training centers. The Institution has collaboration with the following industries, IBM, Bangalore, INTEL, Bangalore, Automation Anywhere, Bangalore, VOLTECH, Chennai. The institution emphasizes upon career development of the students. This can be achieved by establishing MoUs with reputed core industries to enhance Industry Institute Interaction activities like internships, industrial visits, inplant trainings, value added courses, industrial projects, guest lecturers etc., for the benefit of students. Total placement offers issued to students during this academic year is 885 in CTS, TCS, HCL and other various reputed companies.

Admission of Students

The selection is purely provisional and always subject to the confirmation from Anna University / Directorate of Technical Education, Chennai by single window system for U.G Degree Programme (General Quota). The candidates who possess the Diploma in Engineering / Technology are eligible to apply for Lateral entry admission to the third semester in the branch corresponding to the branch of study. The candidates for seeking admission to the P.G Degree Programme shall be required to have passed an appropriate Under Graduate Degree Examination as per the Tamil Nadu Common Admission (TANCA) criteria.

Total number of students enrolled in the institution is 1079 in UG and is 11 in PG Course.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Yes
Administration	Yes
Finance and Accounts	Tally ERP
Student Admission and Support	ERP
Examination	ERP

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr.V.E.Jayanthi, Dept of BME	SeminarIEEE MINI POCO	IEEE	660
2018	Mr.P.Mohan Kumar, Dept of BME	SeminarIEEE MINI POCO	IEEE	550
2019	Mr.P.Mohan Kumar, Dept of BME	WorkshopNational Institute of Technology, Trichy, Pattern Recognition And Computational Intelligence	National Institute of Technology, Trichy.	1100
2019	Dr.C.Chitra, Dept of ECE	Two days TNSCST Sponsored National Level Workshop On "Health Awareness Program for Women with special focus on Cancer Awareness" on 23.1.19 to 24.1.19 at SSMIET, dindigul.	TNSCST	200
2019	Dr.C.Chitra, Dept of ECE	Two day national level seminar on CSIR sponsored "Artificial Intelligence in	CSIR	400

		Medical and healthcare Applications" on 13.6.19 and 14.6.19 at SSMIET, dindigul.		
2019	Dr.K.Meena alias Jeyanthi, Dept of ECE	Two days TNSCST Sponsored National Level Workshop On "Health Awareness Program for Women with special focus on Cancer Awareness" on 23.1.19 to 24.1.19 at SSMIET, DINDIGUL.	TNSCST	200
2018	Dr. S.Mythili, Dept of ECE	TEQIP III sponsored two days workshop "Festival of learning IoT and cloud" at TCE on Nov 15 16 2018	TEQIP	900
2019	Ms. T. Thangam, Dept of ECE	Two day national level seminar on CSIR sponsored "Artificial Intelligence in Medical and healthcare Applications" on 13.6.19 and 14.6.19 at SSMIET, dindigul.	CSIR	400
2019	Dr.M.Revathy, Dept of ECE	Two day national level seminar on CSIR sponsored "Artificial Intelligence in Medical and healthcare Applications" on 13.6.19 and 14.6.19 at SSMIET,	CSIR	400

		dindigul.		
2019	Mr. M.Krishna murthy, Dept of ECE	Two day national level seminar on CSIR sponsored"Artif icial Intelligence in Medical and healthcare Applications" on 13.6.19 and 14.6.19 at SSMIET, dindigul.	CSIR	400
2019	Dr.M.Thiruveni, Dept of ECE	Two days TNSCST Sponsored National Level Workshop On "Health Awareness Program for Women with special focus on Cancer Awareness" on 23.1.19 to 24.1.19 at SSMIET, dindigul.	TNSCST	200
2019	Dr.M.Thiruveni, Dept of ECE	CSIR sponsored national level seminar on recent trends in modelling of imaging technology radiation monitoring devices in industries on 19.8.1820.8.18 at PA college of engineering, Pollachi.	CSIR	300
2019	Mrs.M.Deivaka ni, Dept of ECE	Two days TNSCST Sponsored National Level Workshop On "Health Awareness Program for Women with special focus	TNSCST	300

		on Cancer Awareness" on 23.1.19 to 24.1.19 at SSMIET, dindigul.		
2019	Mrs.M.Deivakani, Dept of ECE	Two day national level seminar on CSIR sponsored "Artificial Intelligence in Medical and healthcare Applications" on 13.6.19 and 14.6.19 at SSMIET, dindigul.	CSIR	400
2019	Ms.T.Suganyathevi, Dept of ECE	Two days TNSCST Sponsored National Level Workshop On "Health Awareness Program for Women with special focus on Cancer Awareness" on 23.1.19 to 24.1.19 at SSMIET, DINDIGUL.	TNSCST	300
2019	Mrs.M.Kasthuri, Dept of ECE	Two day national level seminar on CSIR sponsored "Artificial Intelligence in Medical and healthcare Applications" on 13.6.19 and 14.6.19 at SSMIET, DINDIGUL.	CSIR	300
2019	Mr.J.Kumarnath, Dept of ECE	Two day national level seminar on CSIR sponsored "Artificial Intelligence in Medical and healthcare	CSIR	400

		Applications"on 13.6.19 and 14.6.19 at SSMIET, DINDIGUL.		
2019	Mrs.B.Kamalas oundari,ept of ECE	Two day national level seminar on CSIR sponsored "Artificial Intelligence in Medical and healthcare Applications" on 13.6.19 and 14.6.19 at SSMIET, DINDIGUL.	CSIR	400
2019	Ms.T.Murugajo thi, Dept of ECE	Two days TNSCST Sponsored National Level Workshop On "Health Awareness Program for Women with special focus on Cancer Awareness" on 23.1.19 to 24.1.19 at SSMIET, DINDIGUL.	TNSCST	300
2019	Dr.D.Vasudevan, Dept of MECH	ISERMAT 2019, SSN college of Engineering, Chennai.	SSN college of Engineering	3000
2019	Mrs.P.G.Akila, Dept of ECE	Two days TNSCST Sponsored National Level Workshop On "Health Awareness Program for Women with special focus on Cancer Awareness" on 23.1.19 to 24.1.19 at SSMIET, DINDIGUL.	TNSCST	200
2019	Mrs.S.Sathya Devi, Dept of	Two days TNSCST	TNSCST	300

	ECE	Sponsored National Level Workshop On "Health Awareness Program for Women with special focus on Cancer Awareness" on 23.1.19 to 24.1.19 at SSMIET, DINDIGUL.		
2019	Mrs.S.Sathya Devi, Dept of ECE	CSIR sponsored national level seminar on "Artificial Neural network for solving medical diagnosis problems"at N.S.N CET, Karur on 6.2.19.	CSIR	300
2019	Ms.M.Niranjana Priyadarshini, Dept of ECE	Two days TNSCST Sponsored National Level Workshop On "Health Awareness Program for Women with special focus on Cancer Awareness" on 23.1.19 to 24.1.19 at SSMIET, Dindigul.	TNSCST	300
2019	Mrs.M.Divya, Dept of ECE	Two days TNSCST Sponsored National Level Workshop On "Health Awareness Program for Women with special focus on Cancer Awareness" on 23.1.19 to 24.1.19 at	TNSCST	300

		SSMIET, Dindigul.		
2019	Mrs.N.Lavanya devi, Dept of ECE	Two day workshop on Pattern recognition and computation intelligence on 24.1.1925.1. 2019 at NIT, Trichy.	NIT, Trichy.	400
2019	Mrs.N.Lavanya devi, Dept of ECE	CSIR sponsored national level seminar on "Artificial Neural network for solving medical diagnosis problems"at N.S.N CET on 6.2.19.	CSIR	300
2019	Mrs.Divya Francis, Dept of ECE	Two day workshop on Pattern recognition and computation intelligence on 24.1.1925.1 19 at NIT, Trichy.	NIT, Trichy.	400
2019	Mrs.Divya Francis, Dept of ECE	Two day national level seminar on CSIR sponsored "Artificial Intelligence in Medical and healthcare Applications" on 13.6.19 and 14.6.19 at SSMIET, DINDIGUL..	CSIR	300
2018	Mr.A.Prasanth, Dept of ECE	Two day workshop on "Recent trends and research challenges in deep learning" at TCE on Aug 30.8.1831.8.18	Thiagarajar college of Engg, Madurai	600
2018	Mr.S.Vijaypra sath, Dept of ECE	Two day workshop on recent trends and research	Thiagarajar college of Engg, Madurai	600

		challenges in deep learning at TCE on Aug 30.8.1831.8.18		
2018	Mrs.G.Sasi, Dept of ECE	DSTSERB sponsored national level seminar on "Integration green energy with smart grid through IoT at satyabama university on 19.6.1820.6.18	DSTSERB	800
2018	Mr.S.Murugubopathy, Dept of MECH	Recent developments in renewable energy technologies, SRMIST	SRMIST	2126
2019	Mr.S.Murugubopathy, Dept of MECH	ISERMAT 2019, SSN college of Engineering, chennai.	SSN college of Engineering, chennai.	3000
2019	Mr.S.Murugubopathy, Dept of MECH	Energy system modelling and simulation using cycle tempo software, NIT - Trichy.	NIT - Trichy.	1300
2019	Mr.S.Murugubopathy, Dept of MECH	ICEE 2019, Hindustan college of engineering and technology, Coimbatore	Hindustan college of engineering and technology	2250
2019	Mr.S.Sabareesan, Dept of MECH	ISERMAT 2019, SSN college of Engineering, Chennai.	SSN college of Engineering	3000
2018	Mr.M.Nagaraja, Dept of MECH	Intellectual property rights, Sethu institute of technology, Madurai.	Sethu institute of technology	700
2018	Dr.K.Selvaraj, Dept of IT	Convex optimization for 5Gwireless communicationst heory and practice, Thiagarajar college,	Thiagarajar college of Engg, Madurai	2342

		Madurai.		
2018	Dr.P.Ganeshkumar, Dept of IT	Hands on Training Programme on Machine Learning Basics Using Python, MIT, Anna University, Chennai.	MIT, Anna University, Chennai.	1250
2018	V.Sakthivelmugan, Dept of IT	TEQIP sponsored two days workshop on festival of learning IoT cloud, Thiagarajar college, Madurai.	Thiagarajar college of Engg, Madurai	1371
2018	A.Sangeetha, Dept of IT	Workshop on "Intellectual Property Rights" SITCE, Madurai.	SITCE, Madurai.	800
2018	K.Rajkumar, Dept of IT	Workshop on "Intellectual Property Rights" SITCE, Madurai.	SITCE, Madurai.	800
2019	Dr.M.Anandaraj, Dept of IT	Recent Advances in Energy efficient computing and communication, St.Xavier catholic college of Engineering, Nagarcovil.	St.Xavior catholic college of Engineering, Nagarcovil.	2500
2019	Dr.K.Selvaraj, Dept of IT	Recent Advances in Energy efficient computing and communication, St.Xavier catholic college of Engineering, Nagarcovil.	St.Xavior catholic college of Engineering, Nagarcovil.	982
2019	Dr.A.Vincent Antony Kumar, Dept of IT	One day workshop on "Unnat Bharat Abiyan" IIT,	IIT, Chennai.	7837

		Chennai.		
2019	Dr. K.Muthumayil Dr.M.Anandaramaj, Dept of IT	NCSSS summit (9) and workshop, IIT Anna University, Chennai.	IIT Anna University, Chennai.	6540
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Short term training program "Body Area networks for improvement in health care"	Nil	10/06/2019	15/06/2019	8	Nil
2018	Enterprise Application Development on IBM Bluemix	Nil	26/12/2018	29/12/2018	11	Nil
2019	Predictive modelling using IBM SPSS Modeller	Nil	07/01/2019	10/01/2019	10	Nil
2019	Mobile Application Development by IBM Work light	Nil	27/02/2019	02/03/2019	13	Nil
2018	Wipro PRP	Nil	03/12/2018	26/12/2018	15	Nil
2018	Anna university sponsored Faculty Development Programme on "Information	Nil	26/11/2018	08/12/2018	30	Nil

	Technology Essentials "					
2018	IBM Cloud Computing	Nil	26/12/2018	29/12/2018	9	Nil
2019	IBM Mobile Technology	Nil	27/02/2019	02/03/2019	5	Nil
2019	Intel Face Internet of Things	Nil	06/03/2019	11/03/2019	2	Nil
2018	Workshop	Nil	29/10/2018	30/10/2018	10	Nil
2018	Training Programme	CNC Training Programme	03/09/2018	15/10/2018	5	10
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Short term training program "Body Area networks for improvement in health care"	8	10/06/2019	15/06/2019	6
Problem Solving and Python Programming (FDP)	4	18/07/2018	24/07/2018	7
Next Generation Wireless Networks	34	29/04/2019	03/05/2019	5
Crypto currency mining	1	08/02/2019	09/02/2019	2
Theory of computation	5	10/06/2019	12/06/2019	3
Computer aided diagnosis of retinal images (CADR) using machine learning techniques: Innovations and research	1	14/06/2019	15/06/2019	2

perspective				
A Hands on training Programme on Devices and Tools of Internet of Things and its Realtime applications	9	25/06/2018	30/06/2018	6
Insights of research welding engineering and additive manufacturing	1	14/09/2018	15/09/2018	2
Smart supply chain in industry 4.0 research trends and challenges	1	18/04/2018	24/04/2018	7
Student Induction Programme" held in CEG Campus, Anna University (FDP)	1	10/06/2019	16/06/2019	7
Student Induction Programme" held in CEG Campus, Anna University (FDP)	1	13/05/2019	15/05/2019	3
IBM Mobile Technology	5	27/02/2019	02/03/2019	4
IBM Cloud Computing	9	26/12/2018	29/12/2018	4
INTEL FACE	2	06/03/2019	11/03/2019	7
Automation Anywhere	1	02/07/2019	05/07/2019	4
Artificial Neural Network for Solving Medical Diagnosis Problems	1	02/02/2019	06/02/2019	5
Convex optimization for 5G wireless communications theory and practice	1	21/06/2018	23/06/2018	3

FDP in Predictive Modeling using IBM SPSS Modeler under IBM Software Training under Career Education Program	1	07/01/2019	10/01/2019	4
TEQIP sponsored two days workshop on festival of learning IoT cloud	1	15/11/2018	16/11/2018	2
Workshop on "Intellectual Property Rights"	2	08/11/2018	09/11/2018	2
NCSSS summit(9) and workshop	2	21/06/2019	22/06/2019	2
One week FDP on "signals and system" at Sethu Institute of Technology, Madurai.	1	04/06/2018	11/06/2018	7
Six day induction /refresher programme "A hands on programme on devices and tools of Iot and its real time application "at PSNACET, Dindigul.	5	25/06/2018	30/06/2018	6
DSTSERB sponsored national level seminar on "Integration green energy with smart grid through IoT" at Satyabama university	1	19/06/2018	20/06/2018	2
Industry connect at Sri Eshwar college	1	10/08/2018	11/08/2018	2

of engineering, Coimbatore.				
Two day workshop on "Technical writing and publication with computer tools hands on training" at IITDM	1	08/09/2018	09/09/2018	2
TEQUIP III sponsored two days workshop "festival of learning IoT and cloud at TCE ,Madurai.	1	15/11/2018	16/11/2018	2
Two day workshop on "Recent trends and research challenges in deep learning" at TCE ,Madurai.	2	30/08/2018	31/08/2018	2
CSIR sponsored national level seminar on "Recent trends in modeling of Imaging technology radiation monitoring devices in Industries "at PA college of engineering, Pollachi.	2	19/09/2018	20/09/2018	2
Two day workshop on " Android controlled walking robot (quadruped)RoboticsProtex"at PSNACET, Dindigul.	1	05/10/2018	06/10/2018	2
NAAC sponsored 2 days national level seminar on "Innovative strategies to	1	27/12/2018	28/12/2018	2

enhance teaching learning process" at P.A CET , Pollachi.				
Two days TNSCST Sponsored National Level Workshop On "Health Awareness Program for Women with special focus on Cancer Awareness" at SSMIET, Dindigul	2	23/01/2019	24/01/2019	2
Two day workshop on "Pattern recognition and computation intelligence " at NIT.trichy	2	24/01/2019	25/01/2019	2
Two day national seminar on "Nanocomputing in Cognitive Radio networks" at Hindusthan CET,Coimbatore.	7	21/02/2019	22/02/2019	2
Five days FDP "Problem solving and python programming" at MIT campus ,Anna university, Chennai.	1	13/05/2019	17/05/2019	5
One week AICTE FDP on "Body Area Network" at PSNACET ,Dindigul.	1	10/06/2019	16/06/2019	7
Two day national level seminar on CSIR sponsored"Artificial Intelligence in Medical and	15	13/06/2019	14/06/2019	2

healthcare Applications" at SSMIET,Dindigul.				
Two Day Workshop On "Cyber Safety And Security "at Anna University, Chennai.	2	21/06/2019	22/06/2019	2
National level seminar smart grid for rural development	1	25/07/2019	26/07/2019	2
Health Communication: Barriers, Breakthroughs Best Practices (HCB3) Online	2	25/02/2019	02/03/2019	6
Self Awareness Higher Goals in Education	1	20/05/2019	24/05/2019	5
DST SERB sponsored seminar on Machine learning Wireless Sensor Networks: Networking to Application Perspectives	2	16/11/2018	17/11/2018	2
AICTE sponsored FDP on Students Induction Program on at Easwari Engineering college , Chennai	1	26/11/2018	28/11/2018	3
INTEL FACE FDP on IBM SPSS Modeller at PSNA CET ,DINDIGUL	6	07/01/2019	10/01/2019	4
TNSCST sponsored workshop on Health Awareness	3	23/01/2019	24/01/2019	2

Program for Women with special focus on Cancer Awareness at SSM Institute of Engineering and Technology, Dindigul.				
Cisco networking academy Conference in Bangalore.	1	11/02/2019	12/02/2019	2
FDP on IBM work light at PSNA CET, Dindigul.	5	27/02/2019	02/03/2019	4
FDP in Predictive Modeling using IBM SPSS Modeler under IBM Software Training under Career Education Program	1	07/01/2019	09/01/2019	3
Academic Leadership Workshop	1	09/04/2018	10/04/2018	2
A hands on training programme on devices and tools of internet things and its real time applications	1	25/06/2018	30/06/2018	6
Energy systems modeling and simulation using cycle-tempo software	1	18/12/2018	19/12/2018	2
Design of machine Elements	5	13/04/2019	18/04/2019	5
Academica industry Conclave 18	1	15/10/2018	16/10/2018	2
Recent advancements in	2	12/11/2018	14/11/2018	3

solar energy conversion and storage

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	5	Nil	15

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Contribution to Provident Fund, Contributions towards Group Insurance coverage</p> <ul style="list-style-type: none"> • Marriage leave, Maternity leave, On duty, Vacation leave, TA DA for attending seminar, workshops, conferences, Yoga camps 	<ul style="list-style-type: none"> • Contribution to Provident Fund, Contributions towards Group Insurance coverage, Maternity leave, Vacation leave, On duty, Uniforms for drivers • Yoga camps, Medical check up. 	<p>Management Scholarship is given each year for the following categories:</p> <ul style="list-style-type: none"> • Sports scholarship, Financial support for Student innovative projects • Student competition, 24 hours medical support, Well equipped infrastructure for disabled students, Students counselling, Yoga camps.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal Audit all expenses of revenue nature are audited by the internal audit team. The Internal Auditor of the college Mr.Rathina sabathy, Trichy makes a thorough audit of the expenditures of the institute in every month. The Audit Team, headed by Mr. M. Shahabudeen works under the head office and Financial advisor of the Educational and Charitable Trust. In every end of financial year, the external audit team is deputed by the management and the audit team audits stock registers and all the Planned Expenditures of the institution.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
PSNACET, Management	3000	Guest lecture for students

[View File](#)

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Dr. K.	Yes	BME

		Vivekanandan, Professor, Department of CSE, Pondicherry university.		Department
Administrative	Yes	Mani Subbiah, Chennai, Auditor	Yes	Mr.Rathina sabathy, C. A., Trichy..

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Regular meeting is conducted and effective feedback from the parent is taken based on the students needs. 2. Placement assistance will be taken from the parents. 3. In that, serial test marks, semester CGPA, attendance discipline activities were discussed. 4. The counseling was given to weaker students and were motivated them to score good marks. 5. The Students those who scored above 8.5 CGPA were encouraged to aim for university rankings. Information Technology department Conducted Parent Teachers meeting as given below, for First Year B.Tech (20192023) batch on 31.7.2019 for Third Year B.Tech (20172021)batch on 25.01.2019 for Final Year B.Tech (20162020)batch on 16.02.2019.

6.5.3 – Development programmes for support staff (at least three)

Information Technology department was conducted the development programmes are 1.Five day training on Intel IOT Lab 2.One day workshop on Big Data Analytics 3.Two days workshop on IBM Watson IOT Support staff is encouraged to pursue higher studies. Encouraging participation for supporting staff in orientation programmes, seminars, workshops and conferences. Awareness program on health and safety is also organized.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

All departments maintain the standards of NBA and NAAC and thereby retaining the accreditations. To strengthen the industry and institutional relationship the department collaborates more number of MOU'S with industries. Research Publication SCOPUS and SCI are improved. Student feedback system software had been developed. Entrepreneurship activities are motivated for selfemployment. Students to be given coaching for GATE and competitive examination. Feedback mechanism from students, academic peers, administration and other stakeholders is strengthened by providing online link. Students and faculty are encouraged to undergo online courses like NPTEL, MOOC etc. Faculties are encouraged to pursue PhD in their field and publish more research articles in journals.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	FDP on Quality Enhancement Through Self	26/06/2019	26/06/2019	26/06/2019	200

	Evaluation by Dr. N.Jay asankaran Advisor, NMIMS University VIT University, Vellore Fmr Vice Chancellor, Kanchi University Director General, BIM Tiruchirapalli.				
2019	Orientation programme on Engineering Career for Tomorrow by Dr. Jayaprakash Gandhi	11/04/2019	11/04/2019	11/04/2019	450
2019	FDP Programme on Faculty focus '2018, NITTTTR Chennai.	16/04/2019	16/04/2019	21/04/2019	100
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women's Day	08/03/2019	08/03/2019	500	50

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
10

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Rest Rooms	Yes	10
Physical facilities	Yes	10
Ramp/Rails	Yes	10

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	16/10/2018	1	Tree Plantation Ceremony	Importance of trees, Conservation of water	50
2018	1	1	27/12/2018	1	Energy Awareness Campaign	Energy Conservation	15
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Rules and Regulations governing the teaching and non teaching staff of the college	01/01/2018	Every staff shall attend college in a neat and presentable dress with a clean shaven face Staff member should be punctual in reporting for work and also in engaging theory and laboratory classes. No member shall absent himself/herself from his/her duties without prior permission No member shall engage himself/herself in any political activity. Every teaching staff member shall strive his/her best to effectively teach the students and to monitor their performance by conducting periodical tests, assignments etc. No member shall engage himself/herself in any demonstration on activity which is prejudicial to the normal academic work in the college
Code of Conduct for Students	01/01/2018	All students should wear neat, clean and decent dress. Students are forbidden to write any marks on the walls or

desks of the class rooms. Students are not permitted to leave the college premises during working hours. Ragging, eve teasing ,quarrelling etc., spoil the peacefulness of the college .Students are ,therefore , advised against indulging in such undesirable activities which invite disciplinary action. Any articles such as calculator, books, and instruments etc., found in the college premises must be handed over with all relevant details to the Principal.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Republic day	26/01/2019	26/01/2019	250
Energy Awareness Campaign	27/12/2018	27/12/2018	15
Free Eye Check up Camp	24/12/2018	24/12/2018	50
Tree Plantation Ceremony	16/10/2018	16/10/2018	50
Free Medical Camp	28/09/2018	28/09/2018	35
Independence day	15/08/2018	15/08/2018	200
Blood Donation Camp	18/07/2018	18/07/2018	150
International Day of Yoga	21/06/2018	21/06/2018	200
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Planting tree saplings is an integral part of different programmes of the college.
- The solar panels have been installed in the college hostel premises.
- The institution has constructed rainwater harvesting facilities.
- Recycled water is used for maintaining green campus.
- Dried leaves are used as mulch.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 Title: Student Mentoring System
 Goals To be the advisor for the particular student till the completion of the course To convey the academic progress of a student to their parents regularly. To maintain the complete profile of the students for monitoring the growth of the students
 Context The teachers meet students periodically, collects the pros and cons of their day to day activities and counsel them to remove the difficulties in their academic performance this method is called 'Mentoring system' students' personal issues

are also discussed and a proper guidance and support is provided to ensure the comfort of students in the campus. The Mentor Scheme is a unique opportunity for students to come in contact with experienced faculty members to gain one-to-one careers advice, support and guidance into their profession. A faculty member is a mentor for a small group of 15-20 students. A mentor is allotted to a group of students in the first year itself and mentor and the group move together up to the final year. The Practice Each class will be allotted with a faculty advisor, batch coordinator and tutor for academic and personal guidance. The duties of these officers are to carefully monitor the student activities like regularity of attendance, the performance of the students in internal assessment tests and semester examinations and participation in seminars. Our institute has excellent mentor system followed with 15-20 student allotted for each faculty and so individual attention is given to all students.

It gives emotional support to the students and lessens their anxiety. The mentor monitors all the activities of the students till they complete the course. The marks obtained in various tests are informed (by the mentor) 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 performances of such slow learners are monitored by the mentors in the subsequent internal test, so that the improvement in the performance is ensured. Mentor asks the students to meet regularly for the discussion about their academic, personal problems, cocurricular and extracurricular activities. Moreover, the mentors are available all the time to support and counsel the students even for their personal problems. The mentor is constantly in touch with the parent/guardian of the respective students through phone calls and text messages. Mentor maintains the complete profile of the students to monitor the growth of the students. The students can also approach the mentor for any redressal of grievances. Students who are at the risk of failure and drop out are identified by the mentors based on their performance in internal assessments and university examinations. The process of posting attendance, internal marks, maintenance of students record is also fully automated. Through this fully automated web system, the faculty can enter the details by accessing the server with authorized credentials. Evidence of Success The attendances of the students have been found improved after counselling by the mentors. The direct communication between mentor and students has improved the teacher-student relationship. The academic performances of students have been improved.

Problems Encountered and Resources Required Finding time to arrange more numbers of mentor students meeting is difficult in the busy academic schedule. The newly joined faculty members from other colleges who are not accustomed with the mentorship scheme take some time to do it. **Best Practice 2 Title: Industrial Visits** Goals To help students gain first hand information regarding functioning of the Industry To provides an opportunity to plan, organize and engage in active learning experiences both inside and outside the classroom To provides an insight into the real working environment of the Industry To help the students to see the industrial working environment To create interaction between institutes and industry To help the students to enhance their interpersonal skills and communications Context Industrial visit is a part of the education, during which students visit companies and get insight of on the internal working environment of the company. The industrial visit also provides an insight on how companies work and also useful information related to the practical aspects of the course which cannot be visualized in lectures. Industrial visit is a part of almost all courses like engineering, MBA and MCA etc. It is mandatory in our affiliating university hence it also fulfils certain curriculum requirements. Industry visits sensitize students to the practical challenges that organizations face in the business world. Industrial visits also give greater clarity about various management concepts for students as they can practically see how these concepts are put into action. Visits to

manufacturing firms are useful for students. To understand the nuances and realities of the shop floor, this in itself is a rare exposure. The Practice Industrial visit is considered as one of the most tactical methods of teaching and learning. The main reason behind this - it lets students to know things practically through interaction, working methods and employment practices.

Moreover, it gives exposure from academic point of view. The institution encourages the students to go for industrial visit semester wise/yearly. The students collect the information about the background of the companies either from placement cell or from the staff coordinator of the department. The student coordinators approach the head of the department and discuss about the industry to which they wish to visit. They prepare a requesting letter and send it to the industry to seek permission to visit with tentative dates. After getting permission they prepare the schedule and get approval from HoD and the Head of the institute. Normally students are accompanied by a male and a female faculty member to have smooth industrial visit. The students are well instructed by accompanying faculty about the do and don'ts during the industrial visit. They are also advised to interact with industrial person to clarify their doubts. The students are asked to submit a report after the completion of the industrial visit. Evidence of Success The industrial visits provided an insight on how companies work and also useful information related to the practical aspects of the course. The students came to know the needs of the industry and groom themselves accordingly. The students got an opportunity to see the industrial working environment. Problems Encountered and Resources Required The process to get permission from an industry is not easy It is found difficult to arrange the industrial visits in between the busy academic schedule. The accompanying faculty members felt difficult to alternate their regular classes as well as to come away from their family on the industrial visit day. Some students have got tired and found absent to the college on the very next day of industrial visits.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://psnacet.edu.in/naac2018.php>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Since the institution is located in the rural area, it gives foremost concentration on the teaching learning process for the fulfilment of its mission and vision. The academic calendar is prepared well in advance and displayed in notice boards. The subject allotment is completed at least 30 days before the commencement of the semester. This enables the subject handling faculty to prepare the lesson plan, course materials, question bank, short questions with answers, tutorial work book and laboratory manuals. The course coordinator of each subject conducts the meeting among the subject handling co staff members and monitors the delivery of the contents at regular intervals. The contents beyond syllabus of each course are mentioned in the lesson plan and class record. The list of experiments along with its procedure is explained by the faculty laboratory to the students in the instruction class before the commencement of lab session. The students are assisted by at least 2/3 faculty members while carrying out the experiments in the laboratory class. The institution has Internal Quality Assurance Cell (IQAC) with senior faculty members. It monitors overall teaching learning process of the department. The main objective of IQAC is to develop and assure the quality of academic activities in the college. Scrutiny about the quality of internal test question papers, conduct of internal academic audit, monitoring the remedial class for weak students and maintaining the department files are the major functions of

IQAC. Every semester class committee meetings are conducted in order to discuss about academic and non academic issues. It is like the 'Quality Circle' with the overall goal of improving the teaching learning process. The class committee coordinator, year coordinator, faculty members handling subjects, tutors and student members are present during the class committee meeting. The academic and non academic issues are expressed by the students during meeting. The minutes of the meeting is submitted to the higher officials for further scrutiny. Every semester parent's meetings are conducted in order to convey the progress of their ward and receive the suggestions for the career improvement. Students are also encouraged to participate in the various cocurricular activities.

Provide the weblink of the institution

www.psnacet.edu.in

8.Future Plans of Actions for Next Academic Year

- To achieve within top 25 position in affiliated colleges of Anna University, Chennai in terms of student progression.
- To achieve 100 percentage Placement for the eligible students.
- To establish Centre of Excellence in disrupting technologies.
- To produce good number of University Ranks
- To enhance the employability skills of students by conducting suitable training programmes.
- To increase Research and Development activities inside the campus and hence to make each faculty member to publish articles in Scopus or Web of Science or Science cited Indexed Journals.
- To organize more outreach programmes for the empowerment of rural population.