



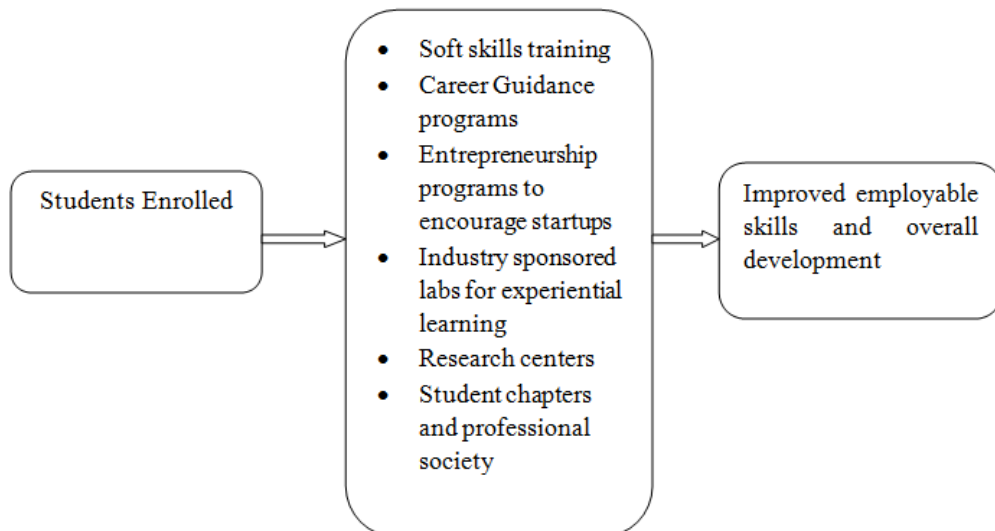
### INSTITUTIONAL DISTINCTIVENESS

**Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust.**

#### **Student Support System to enhance employable skills**

PSNA College of Engineering & Technology, located in the 150-acre campus with built-up area of more than 12-lakh sq. ft. PSNA is a vibrant technical institute of higher education with world-class infrastructure, and up-to-date teaching facilities, Affiliated to Anna University, Chennai, approved by AICTE, New Delhi, and accredited by the National Assessment and Accreditation Council (NAAC) and National Board of Accreditation (NBA), PSNA challenges the status quo and make discoveries that reshape the future. PSNA provide innumerable support and provide ample opportunities to help the students develop the requisite skills and expertise to make them employable graduates. The Training & Placement Cell guides the students to develop their ability to articulate their skills and domain knowledge to the prospective employers. Training module is designed to compete with the industry expectation.

#### **Student Support System**



#### **Soft Skill training**

Soft Skill training is working on communication abilities, personality traits, personal attributes, etc. which are significant professionally and socially. These skills assist students with a lot of things in the workplace. Soft skills play a significant role in the



success and growth of the individual. It is vital for the students to be capable to communicate well with others as every profession and role consists interacting with the colleagues, superiors, clients, and others. Students with good soft skills are also very adaptable to the new role and environment irrespective of the field or industry. Soft skill training helps them to improve their personal attributes along with communication abilities.

Training Model - Soft skills framework		Semester
Communication	Listening	III
	Speaking	III
	Reading	III,IV
	Writing	III,IV
Personal Development & Interview Preparedness	GD Skills	V,VI
	Interview Skills	V,VI
	Resume Building	V,VI

### **Career guidance programs**

It is a comprehensive, developmental program specially designed to assist students in building and implementing informed educational and occupational preferences. A career guidance program develops student's competencies in self-knowledge, educational and occupational exploration, and career planning. The institution also organized training programs to motivate the students to participate in various competitive examinations and to create awareness about the various competitive exams available for them. It helps them to get updated and prepare the students to face the challenges of the competitive exams.

### **Cognitive skills training**

Cognitive skills are the core skills learner brain uses to think, read, learn, remember, reason and pay attention. Working together, these skills take incoming information and move it into the bank of knowledge students' use every day at college, at workplace and also in life. Each of their cognitive skills plays a significant part in processing new information. Cognitive skills training program is about practicing the brain to think faster and learn easier. Movement and visual competencies activities combine the senses; enhance body and attention control, spatial orientation and internal timing. It helps in enhancing students Problem solving and reasoning skills.



<b>Training Model - Cognitive skills framework</b>		<b>Semester</b>	
<b>Problem solving &amp; reasoning</b>	<b>Quantitative Ability</b>	Speed Math	IV, V, VI
		Numerical Ability	III, IV, V, VI
		Problem Solving	IV, V, VI
		Analytical Ability	III, IV, V
		Higher Order Thinking	V, VI
	<b>Reasoning Ability</b>	Logical Sense & Spatial Ability	IV, V
		Creative Thinking	IV, V
		Think Out of Box	IV, V
		Critical Thinking	IV, V
		Lateral Thinking	IV, V
		Visual Reasoning	IV, V
<b>Verbal ability</b>	Basics & Sentence Structure	IV, V	
	Vocabulary	III, IV, V	
	Reading Comprehension	IV, V	
	Para Jumbles	IV, V	
	Error Spotting	V	
	Idioms	V	
	Critical Reasoning	V	
	Sentence Correction & Completion	V	

### **Research centres and professional societies**

PSNA Established Research Centres in collaboration with leading MNCs. Department of Civil Engineering offers Testing and Consultancy works in materials testing, Water analyzing, soil testing, mix design and in assessing their suitability for construction works. PSNA Student Chapter of Mechanical Engineering - The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE) helps to protect the Environment, improve Indoor Air Quality, help Energy Conservation, and provide continuing education and career guidance to student members. Indian welding society was inaugurated to provide in-depth knowledge about various welding process and also conducts several Guest Lectures, Industrial Visits. SAE – PSNA Collegiate club helps to Continuously Enrich Knowledge Base of Practitioners in Mobility Industry and Institutions in the Service of Humanity.

In PSNA Department of Electrical & Electronics is actively involved in establishing and running the SIEMENS Authorized Industrial Automation Laboratory (7th of its kind in India) and Drives Laboratory (1st of its kind in India) in association with SIEMENS



India Pvt Ltd, which creates a training Partnership between PSNA and Siemens Ltd. Department of Electrical & Electronics has created a laboratory supported by VOLTECH Engineers (P) Ltd, Chennai. The advantages of Voltech center of Excellence are such as tighter quality control, prior analysis and realistic representations will truly enhance the students on technical skills which the industries need. PSNACET, Department of Computer Science and Engineering has PSNA - AICTE Lab for Cognitive Computing, IBM Software Laboratory for Emerging Technology, Software Simulation Laboratory. Research Laboratory for Research and Development & Industry related Projects, Cloud Laboratory for Industry related Projects in association with Cloud Kinetics Pvt. Ltd and Software Development Laboratory. INTEL@ Intelligent System Lab has been set up to enhance student's employability skill, ACCs, Iisc Bangalore and IIIT-Bangalore sponsored Intel Boards worth Rs. 30 Lakhs for Intel Intelligent Lab for students' projects. World's leading US based Robotic Process Automation Company Automation Anywhere has joined hands with PSNACET to establish Centre-of-Excellence (BOT Lab) to train and certify the next generation of automation engineers for global IT Industry. The Department of Biomedical Engineering is facilitated with the Laboratories like Diagnostic and Therapeutic Equipment Laboratory, Medical Electronics Laboratory, Biochemistry and Microbiology Laboratory, Physiological Data Acquisition Laboratory, Bio signal and Image Processing Laboratory.

### **Entrepreneurship Programs**

Under the sponsorship of National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology, Government of India the college have organized Entrepreneurship Awareness Camps, Entrepreneurship Development Programs, Women Entrepreneurship Development Programs and Technology based Entrepreneurship Development Programme to promote and strengthen the students in Science and Technology entrepreneurship.