7.3 **Institutional Distinctiveness**

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Distinctive Features: Holistic professional development through training and PEC Technical clubs.

Internal Trainings:

Prathyusha Engineering college has high priorities in skill development of students to ensure career opportunities and is envisaged through internal trainings and practice portal training. PEC aims placing all the students irrespective of their academic performance. All students those whoever registers for placement will get placed in the Industries suiting to their technical skills, subject knowledge, interested domain, verbal and aptitude skills. Students with/without Backlog and History of arrears are also placed by imparting special placement training. Conducting the theory courses related to computer programming like Problem Solving using Python for all I Year students, C Programming, Data Structures, Database Management Systems, Web technologies and Internet Programming are conducted in compute laboratory. It is a unique practice at Prathyusha Engineering College which helps the students to practice hands-on of all the concepts that they learn in the course.

The training departments identifies the requirements of various Industries while recruiting freshers and plans for equipping the students towards meeting the expectations of recruiters. These training departments add courses from their first year itself to mould them properly towards the employability skills.

Students are trained in Python, C, C++, Java Programming, aptitude skills, Soft skills, etc., by expert faculty members. Exclusive time slots are allocated for each batch of students from I Year to IV Year. The resources are computer labs specially designed for placement activities are utilized for the same. These labs provide unique sophistication towards the prime features like High Speed Internet Connectivity, high configured system, PC's, Monitor, head phones, speakers and Projectors.

The practice portal through skill rack is provided for all the students to practice coding in PYTHON/C/C++/JAVA, verbal as well as Aptitude to improve their employability skills. Problem solving at different complexity levels

Placement Trainings:

Apart from the knowledge in the regular curriculum courses, students are expected to have sound knowledge in problem solving, analytical thinking, leadership qualities, team playing skills, etc. Holistic development of making the students as a full fledged Engineering Graduate is given Company Oriented Trainings are conducted for the final year students towards the requirements of placing them in MNCs like TCS, INFOSYS, ACCENTURE, WIPRO, ZIFO, etc.

Technical Clubs:

Technical Clubs at Prathyusha Engineering College are unique of its kind and is a platform focusing on equipping the students with the necessary expertise in the domains of the students' interest. Through these technical clubs, seminars, Industry Expert Interactions, workshops and Guided self-learning sessions are arranged to enable continuous learning in the respective technologies. Students are getting molded as a whole with the technical knowledge, problem solving skills, analytical skills, presentation, coordination, team playing skills and are becoming ready towards meeting the expectations of Industries.

All students are encouraged to enroll in minimum 2 clubs out of which one being the Coding Club. Technical clubs on various domain including Data Science, IoT, Mobile Applications, Web application, Cyber security, Robotics Automation, Antenna Design, Signal Processing Image Processing, Wireless Sensor Networks, Auto CAD, Bike Assembly, Car Assembly, Manufacturing Process Club, Professional Lighting Design Club, Manufacturing Process, Electrical Wiring Club, ETAP Club, Architectural Club, Enviro Club Structural Club, Bioinformatics Club etc., have been established and the faculty coordinators and student coordinators are organizing various activities for a consistent learning in the respective domains. Conducting Workshops in new domain such as ICT sales force, Amazon Web services, Gaming Hacking.

The activities of the various clubs on the campus ensure that the students are dynamic and well groomed in social and event management skills. These Clubs are also associated with IEEE (Institution of Electrical and Electronic Engineers), Computer Society of India, ISTE and

Institution of Engineers (IE), ISHRE Societies where students are members and are encouraged to organise events towards knowledge exchange by experts from Industries and Academia.

Skill Development Academy:

Students' skill development academy have been established through the MoUs executed with various Industry Partners and Educational Partners like INFOSYS CAMPUS CONNECT, Ni LabView Academy, COURSERA, ORACLE ACADEMY, ICT ACADEMY, etc.

National level seminars, workshops and learning initiatives are conducted through these academies to prepare our students towards competing with the peers at world level. Focused trainings are conducted for pre-final year students in specific technologies to enable them to get placed in the domains of their interests. Value added courses on CLAD certification training through NI LABVIEW, INFYTQ trainings through INFOSYS Campus Connect, Advanced Tool CATIA V5 Trainings, etc. are organized. These Academies are conducting workshops in current technologies such as sales force, Amazon Web services, Gaming & Hacking.

Internships:

Second, third and final year students of BE program are encouraged to undergo 1 week or 4 weeks long internship in leading organizations as a part of their curriculum. This enables them to get exposure to real time Industry practices. These internships, along with various industrial visits keep the students informed about latest industrial trends and to enable them to learn the nitty-gritty of jobs in real-life work environment.

Students are encouraged to implement course-based projects as an outcome of their laboratory course. This method intends creative imitation leading to research and innovation. Course-based Projects are developed for the laboratory courses of every semester and are presented.