Department of Electronics & Communication Engineering

2025-26 Activities

PCB Design Workshop: From Basics to Brilliance

A five-day workshop titled “PCB Design: From Basics to Brilliance” was conducted from 10 February 2026 to 14 February 2026 for students to enhance their knowledge and practical skills in Printed Circuit Board (PCB) design. The workshop aimed to provide participants with a strong foundation in electronic circuit design and modern PCB development tools.

During the workshop, experts introduced the fundamentals of PCB design, including schematic creation, component selection, circuit layout, routing techniques, and design rules. Participants were also trained to use industry-relevant PCB design software to convert circuit diagrams into PCB layouts.

Hands-on sessions were an important part of the program, where students practiced designing simple electronic circuits and creating PCB layouts. The workshop also covered topics such as multilayer PCB design, signal integrity, troubleshooting, and best practices for manufacturing.

The program helped students gain practical exposure to PCB design processes and improved their understanding of electronic hardware development. Overall, the workshop was highly informative and beneficial, enabling participants to bridge the gap between theoretical knowledge and real-world engineering applications.

KTPS:

The Department of Electronics and Communication Engineering (ECE), Priyadarshini Institute of Science and Technology for Women, organized an Industrial Tour to Kothagudem Thermal Power Station (KTPS) on 31 January 2026, as a part of the academic curriculum.

The industrial visit was conducted with the objective of providing practical exposure and enhancing students' understanding of power generation systems, control mechanisms, and industrial safety practices. During the visit, students gained valuable insights into the working principles of thermal power plants, including boiler operations, turbine systems, generators, and control rooms. The visit was highly informative and helped students bridge the gap between

theoretical knowledge and real-time industrial applications. The interaction with industry professionals enriched the learning experience and motivated students toward industry-orientedl earning.
The program was successfully conducted under the guidance and support of the college management and faculty members.

One-Day Online Webinar on “Job Opportunities in the VLSI/Semiconductor Industry”
Date: 11-09-2025

A one-day online webinar titled “Job Opportunities in the VLSI/Semiconductor Industry” was conducted on 11 September 2025 to create awareness among students about career prospects in the semiconductor and VLSI sectors.

The webinar focused on providing insights into the VLSI design flow, semiconductor manufacturing, and emerging opportunities in the rapidly growing semiconductor industry. The resource person explained various career paths such as chip design, verification, physical design, testing, and embedded systems.

Students were introduced to the skills, software tools, and technologies required to build a career in the VLSI domain. The speaker also discussed the importance of internships, industry certifications, and continuous learning to succeed in this field.

The session was interactive, allowing participants to ask questions regarding career planning, higher studies, and job requirements in the semiconductor industry. Overall, the webinar was informative and helped students understand the growing demand for skilled professionals in the VLSI and semiconductor sector.

One-Day Seminar on “Emerging Technologies”
Date: 20-08-2025

A one-day seminar on “Emerging Technologies” was conducted on 20 August 2025 to create awareness among students about the latest technological advancements and innovations in the field of engineering and technology.

The seminar highlighted several emerging technologies such as Artificial Intelligence (AI), Internet of Things (IoT), Machine Learning, 5G communication, and automation. The resource person explained how these technologies are transforming industries and creating new career opportunities for engineering graduates.

Students were encouraged to develop technical skills, participate in research activities, and stay updated with current technological trends. The session also emphasized the importance of innovation, problem-solving, and interdisciplinary learning in modern engineering fields.

The seminar was interactive and informative, providing valuable insights into the future of technology and motivating students to explore advanced areas in science and engineering.