



## Department of Electronics & Communication Engineering

**2024-25**

### **Seminar on “Industry Requirements in VLSI Domain”**

**Date:** 27-09-2024

A seminar on “**Industry Requirements in VLSI Domain**” was conducted on **27 September 2024** to provide students with insights into the skills and knowledge required to build a successful career in the VLSI industry.

The session focused on the current trends and demands in the VLSI sector, including chip design, verification, physical design, testing, and semiconductor manufacturing. The resource person explained the importance of strong fundamentals in digital electronics, Verilog/VHDL, and semiconductor concepts.

Students were also introduced to various EDA tools and industry practices used in VLSI design and development. The speaker highlighted the need for continuous learning, internships, and practical exposure to meet industry expectations.

The seminar was informative and helped students understand the technical competencies and professional skills required in the VLSI domain, motivating them to prepare for careers in the semiconductor industry.

### **National Institute of Amateur Radio (NIAR) Hyderabad**

The Electronics and Communication Engineering (ECE) department of Priyadarshini Institute of Science and Technology for Women organized an industrial visit to the National Institute of Amateur Radio (NIAR), Hyderabad. The visit provided students with a deeper understanding of radio communication, wireless technologies, and emergency communication systems, reinforcing their classroom learning with practical exposure. Students were given an opportunity to operate radio transceivers and understand the working of antennas and signal modulation techniques. NIAR experts explained how amateur radio operators communicate globally without internet or cellular networks. A session on how amateur radio assists in emergency communication during natural disasters such as

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earthquakes, floods, and cyclones. Case studies of NIAR's contributions to disaster relief operations were shared to highlight the real-world impact of amateur

