

Department of Electronics and Communication Engineering, NIE

The Department of Electronics and Communication Engineering (ECE) at The National Institute of Engineering (NIE), under the aegis of the VLSI Virtuoso Club, successfully organized a **Panel Discussion on “Industry and Placements”** on **28 February 2026 at 10:00 AM** in Azeez Sait Hall. The session brought together distinguished alumni currently working in leading technology companies to share their professional experiences and guide students in preparing for successful careers.

The event served as a valuable platform for students to gain practical insights into industry expectations, emerging career opportunities, and effective placement preparation strategies across domains such as electronics, semiconductor technology, software engineering, and cybersecurity.

The panel featured accomplished alumni from the ECE department:

- **Mr. Aditya Joshi** (Cybersecurity Engineer, Alstom; Batch of 2023) spoke about cybersecurity in industrial systems, emphasizing the importance of secure digital infrastructure. He highlighted the need for strong programming skills, networking knowledge, and awareness of cybersecurity practices.
- **Mr. Shreyas S. R.** (Pre-Silicon Design Verification Engineer, AMD; Batch of 2021) provided insights into the semiconductor industry, focusing on VLSI design and verification. He stressed the importance of digital electronics fundamentals, Verilog/SystemVerilog, and verification methodologies.
- **Mr. Arjun Maiya** (Solution Architect for AIOps, MLOps, and DevOps, Applied Materials; Batch of 2022) discussed the growing role of automation, artificial intelligence, and cloud technologies. He encouraged students to build skills in software development, machine learning, and DevOps tools.
- **Mr. Shrinidhi S. Kulkarni** (Software Engineer 2, Juniper Networks; Batch of 2023) shared his experience in networking and software development, highlighting the importance of data structures, coding practice, and problem-solving skills for technical interviews.

The session began with a welcome address introducing the objectives of the program and the panelists. Each speaker shared their journey from academics to industry, offering practical advice on skill development, internships, and career planning. The discussion also included an interactive segment where students engaged directly with the panelists, clarifying their doubts and seeking personalized guidance.

Key topics discussed during the session included industry expectations from engineering graduates, the importance of strong fundamentals in electronics and programming, the role of internships and projects in building a strong resume, and emerging opportunities in semiconductor design, cybersecurity, and software engineering.

The event was conducted under the guidance of **Dr. Nagendra Parashar**, Principal of NIE, and **Dr. Rajalakshmi Kishor**, Head of the Department of ECE, with coordination by faculty members **Mrs. Shruthi R** and **Mr. Yajunath Kaliyath**.

Overall, the panel discussion was highly informative and well-received by students. It successfully bridged the gap between academia and industry by providing real-world perspectives and actionable guidance, thereby helping students better prepare for their future careers.