COLLEGE OF ENGINEERING
Since 1982
Engineering A Better Tomorrow

An Autonomous Institute
Approved by AICTE, New Delhi
Affiliated to VTU, Belagavi
Recognized by UGC under 2(f) & 12(B)
Accredited by NBA & NAAC

Guest Lecture organized by Department of Electronics and Communication Engineering

Report on Guest Lecture: "What's ECE Hardware to Software - The IN and OUT of the Industry Ecosystem"

The Department of Electronics and Communication Engineering (ECE) organized a guest lecture, **"What's ECE Hardware to Software – The IN and OUT of the Industry Ecosystem,"** on March 15, 2025. The session received an overwhelming response, with 204 participants**.**

The lecture commenced at 10:30 AM with a warm welcome by Tulasi and Tanisha, students of the sixth semester, ECE, who greeted the esteemed guest and the gathering. The chief guest for the session was Kasyap V Karun, Staff Analog Circuit Design Engineer at Samsung, Bengaluru, India. Tulasi formally welcomed the guest, along with Dr. Remashan Kariyadan, Professor, ECE; Dr. Shima Ramesh, HoD-ECE; faculty members; and students of MVJCE. Following the welcome address, Tanisha introduced the chief guest. As a token of appreciation, Dr. Remashan Kariyadan presented a bouquet to the chief guest.

The lecture highlights that, many students enter ECE due to societal expectations, salary prospects, or lack of a clear direction, but long-term growth in the field is promising. Passion for ECE can be measured by interest in electronics news, ability to study without distractions, and specifications beyond basic smartphone features. While CSE graduates often secure higher initial salaries, ECE professionals become more valuable with experience. To excel in ECE, students should focus on deep learning rather than multitasking, track their study sessions effectively, and engage in practical projects. Real-world experience and strong fundamentals matter more than just grades when it comes to job opportunities and career growth.

The resource person outlined the industry trends and job roles in areas like Semiconductors & VLSI, Telecommunications, Automation & Robotics, Signal Processing, Aerospace,

Consumer Electronics, Healthcare, Consulting, and Manufacturing. Higher studies options include specialized PG courses, interdisciplinary fields, integrated PhDs, and government job opportunities through GATE/IES. He also emphasized entrepreneurship, advising graduates to approach it from a top-down perspective—defining products, identifying customers, securing investments, and building a team. The key to success in ECE lies in the mindset of Learn → Implement → Automate → Collaborate, ensuring continuous skill development and innovation.

Welcome address by Tanisha, chief guest Kasyap V Karun and Dr. Remashan Kariyadan, Professor ECE seated at podium.

Chief guest Kasyap V Karun delivering the insights on pathways for ECE graduates.

Discussion on Interview Questions in Seminar Hall.

After the one-and-a-half-hour guest lecture, a question-and-answer session was conducted in the seminar hall (Room No. 25) until 12:45 PM with sixth-semester ECE students. The discussion focused on potential interview questions related to MOSFETs and Operational Amplifiers, specifically targeting semiconductor company placements.

Outcomes:

Students gained clarity on various career pathways in ECE, including industry roles, higher studies, and entrepreneurship.

The students gained a comprehensive understanding of industry trends, job roles, and the skills required in sectors such as VLSI, telecommunications, automation, and biomedical engineering.

Students explored options for postgraduate studies, interdisciplinary fields, certifications, and government job opportunities through GATE/IES.

The students were provided with tips on efficient study techniques, project-based learning, and technical upskilling to enhance their academic and professional growth.

The session guided students in making informed decisions about their future in core ECE domains or interdisciplinary roles.

The discussion on interview questions helped students align their skills with semiconductor company expectations