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A Report on Guest Lecture on
"Emerging Trends and Skill Sets in Core Electronics Careers"
Organized by Department of Electronics & Communication Engineering
In Association with MITS IEI Student's Forum
on 15.11.2025

Report Submitted by: Dr. G. Reddy Hemantha, Assistant Professor, Dept. of ECE, Mrs. K. Revathi, Assistant Professor, Dept. of ECE,

Resource Person Details: Mr. Jalla Reddy Tharun, Aveva MES Developer, INXT – Industry IoT Business Unit, LTIMindtree, Bangalore.

Participants: 80 (Students and Faculty)

Mode of Conduct: Online

The Department of Electronics and Communication Engineering, in association with the MITS IEI (ECE) Student Forum, organized a guest lecture on **"Emerging Trends and Skill Sets in Core Electronics Careers"** on **15th November 2025**. The primary objective of this session was to introduce students to the evolving technological landscape within core electronics industries and guide them toward essential skills required for current and future career opportunities.

The session began with a formal welcome address by Dr. S. Rajasekaran, Convenor and HoD, Department of ECE, who extended his greetings to the dignitaries, resource person, faculty members, and student participants. He emphasized the importance of such academic-industry-oriented guest lectures in preparing students for cutting-edge research and professional careers.

The technical session was delivered by **Mr. Jalla Reddy Tharun**, an experienced MES Developer in the Industry IoT Business Unit at LTIMindtree. His session emphasized the increasing convergence of electronics, automation, IoT, and industrial software systems. Key topics covered in this session are: Current Industrial Trends in Electronics, Essential Skill Sets for Electronics Engineers, Industry IoT and Manufacturing Execution Systems (MES), Career Opportunities and Future Technologies.

The session included a vibrant interactive segment where students raised questions about career roadmaps, core vs. software industry roles, and the importance of multidisciplinary knowledge. Mr. Tharun shared practical insights from his industry experience, motivating students to build strong fundamentals while adapting to emerging technologies.

Outcomes of the Lecture

The lecture effectively helped students:

- Gain clarity on evolving core-electronics industry demands.
- Understand skill sets required for both entry-level and advanced roles.
- Explore career opportunities in IoT, automation, MES, and digital manufacturing.
- Recognize the importance of hands-on project work and continuous learning.

The guest lecture on **"Emerging Trends and Skill Sets in Core Electronics Careers"** was highly informative and insightful. It bridged the gap between academic learning and industry expectations, motivating students to prepare for competitive roles in the electronics sector. The session received positive feedback from participants, who appreciated the practical perspectives and industry-aligned guidance shared by the speaker.

The event concluded with a **Vote of Thanks** delivered by **Dr. G. Reddy Hemantha, Assistant Professor and IEI coordinator, Department of ECE**, who expressed sincere gratitude to the **MITS Deemed to be University Management**, **Dr. C. Yuvaraj sir , Vice Chancellor**, **Dr. P. Ramanathan sir, Principal**, **Dr. S. Rajasekaran sir , Head of the Department of ECE** for their continued support in organizing alumni engagement programs that benefit students.