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A Report onExpert Tal k on
"Industrial Energy System & Career guide- Core Industries"
Organised by Department of Electronics and Communication Engineering
in association with MITS-IETE Student Forum (ISF)
on 04.02.2025

Report Submitted by: Mr.Prasanth.V.S, Assistant Professor, Department of Electronics and Communication Engineering, MITS.

Resource Person Details: Mr.B.Satheesh Reddy, Head Trainer, Mcoreta, Mr.Parthasarathy.M, Associate Director, Mcoreta, Mr.Premkumar.D, HR Manager, Mcoreta.

Mode of Conduct: Offline

Time and Venue: 11:00 AM - 1:30 PM at Seminar Hall A

The Department of Electronics and Communication Engineering at MITS organized an Expert Talk featuring B.Satheesh Reddy, Head Trainer, Mcoreta, Parthasarathy.M, Associate Director, Mcoreta, and Premkumar.D, HR Manager, Mcoreta focusing on **"Industrial Energy System &Career guide- Core Industries".** The event is a part of the institution's collaboration with IETE, underscoring its commitment to holistic education and technical excellence.
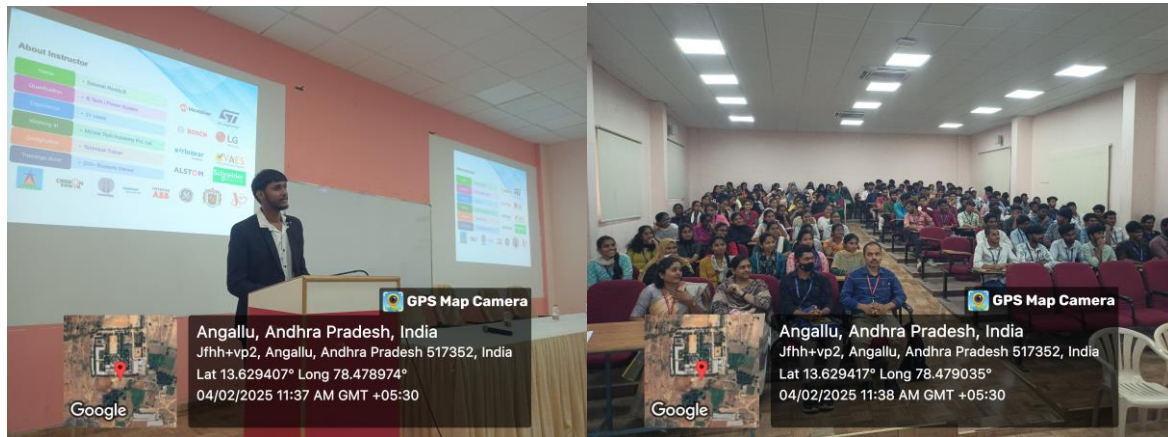
Objective:

The session aims to empower ECE students with practical strategies for personal and professional development.

Program Details:

The program started with a welcome address by Ms.S.Kavi Priya, Assistant Professor, Department of ECE followed by the introduction about the resource person to the audience. She has given a short note on Dr B.Satheesh Reddy, Head Trainer, Mcoreta, Parthasarathy.M, Associate Director, Mcoreta, and Premkumar.D, HR Manager, Mcoreta. Dr.S.Rajasekaran, Prof & Head, ECE Department gave the insight to students about placement in core company and the training needs to excel in the field and how Mcoreta is providing technical trainings to industry

professionals and engineering students in Power, Automation, Industry4.0, etc. Courses are being developed by well experienced industry professionals. The programs are being verified and reviewed by working industry professionals and designated top educational institutes. Many training programs associate with practical learning modules.

Expert Talk:

In the session, titled **"Industrial Energy System & Career guide- Core Industries"** Mr**.**B.Satheesh Reddy focused on **Decarbonization**, **Energy Storage**, **Circular Economy** and **Smart Energy Systems.** Industries are focusing on reducing their carbon footprint, adopting carbon capture technologies and relying on renewable energy sources. The integration of digital technologies IoT and AI is revolutionizing industrial energy systems. Smart grids, sensors and predictive maintenance are becoming more widespread. Reusing waste heat and materials is growing in importance with industries implementing circular approaches to energy consumption.

Mr.Parthasarathy. M focused on renewable energy sources like solar and wind becoming more popular, the need for efficient energy storage systems is rising, allowing industries to store excess energy for future need. Mr. Premkumar.D focused his speech on Skills in demand.

- **Technical Skills**: Expertise in electrical engineering, process engineering, energy management, renewable technologies and systems integration.
- **Analytical Skills**: The ability to analyze energy consumption patterns, perform energy audits and devise cost-saving strategies.
- **Sustainability Knowledge**: Familiarity with green technologies, carbon accounting and sustainable practices in energy use.
- **Project Management**: In large industries, managing energy-related projects, such as implementing new energy systems, requires strong leadership and project management skills.

Outcome:

The program empowered ECE students with practical strategies from the **"Industrial Energy System & Career guide- Core Industries"** enhancing their knowledge towards electronics, Industrial energy systems, skills in demand for academic and professional success.

Concluding session:

The concluding session and the vote of thanks given by Mr. V. S. Prasanth, Assistant Professor, Department of ECE, MITS and thanked the management, Principal, Vice Principal, HOD -ECE, Resource persons, for organizing the event successfully.