



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(Deemed to be University)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA



A Report on "Industry Experience, Career Opportunities and Guidance for ECE Students"

Organised by Department of Electronics & Communication Engineering
in association with Alumni Welfare Association

On 03.10.2026

Report Submitted by: Mr. G. Charan Kumar, Assistant Professor, Department of ECE

Resource Person Details: Mr. D. Santhosh, B.Tech ECE, 2023 batch, and currently working as a Design Verification Engineer at MSDV Technologies, Vijayanagar, Bengaluru.

Report Received on 09.10.2026

Mode of Conduct: Offline

The Department of Electronics and Communication Engineering (ECE), MITS Deemed to be University, organized an online expert interaction session on “Industry Experience, Career Opportunities and Guidance for ECE Students” on 03.10.2026 from 10:30 AM to 12:00 PM in Seminar Hall A.

The session was conducted with the objective of providing ECE students with practical insights into the electronics industry, career opportunities, required technical skills, and professional development.

The resource person for the session was Mr. D. Santhosh, an alumnus of the Department of ECE, MITS Madanapalle, B.Tech ECE, 2023 batch, and currently working as a Design Verification Engineer at MSDV Technologies, Vijayanagar, Bengaluru.

The programme commenced with a welcome address by Mr. G. Charan Kumar, Assistant Professor, Department of ECE, who welcomed the resource person, faculty members, and students. He highlighted the importance of alumni–student interactions in helping students understand current industry requirements and career pathways.

Alumni interactions provide our students with a valuable opportunity to connect classroom learning with real-world industry practices. The experiences and guidance shared by our alumni can help students understand the expectations of the industry, emerging technologies, career pathways, skill requirements, and the importance of continuous learning.



Dr. G. Naga Swetha, Assistant Professor and Alumni Relations Officer, addressed the gathering and emphasized the role of alumni engagement in strengthening the relationship between the department and its graduates. She encouraged students to actively participate in alumni interactions and make use of the professional guidance shared by successful alumni.

Dr. Sanjay Kumar C. Gowre, Professor and Head, Department of ECE, addressed the students and emphasized the importance of developing strong fundamentals, practical knowledge, communication skills, and industry-oriented competencies. He encouraged the students to utilize such expert sessions for understanding the expectations of the electronics and semiconductor industries.

Prof. P. M. Balaji, Assistant Director – Industry Relations, was associated with the programme, supporting the department's broader objective of strengthening industry–academia collaboration and enhancing students' career readiness. The session provided a valuable platform for students to interact with an alumnus working in the industry, clarify their career-related queries, and understand the importance of continuous learning and professional development. During the technical interaction, **Mr. D. Santhosh** shared his experiences as an ECE graduate and discussed his transition from academic life to the professional industry. He provided valuable insights into the role of a **Design Verification Engineer**, the importance of digital electronics fundamentals, and the skills required to build a career in the semiconductor and VLSI domain.

He discussed various **career opportunities available for ECE graduates**, particularly in areas such as VLSI, design verification, semiconductor technology, embedded systems, digital electronics, and related engineering domains. He also highlighted the importance of acquiring practical knowledge along with academic qualifications. The resource person advised students to strengthen their knowledge of core ECE subjects and develop relevant technical skills through projects, internships, online learning, and continuous practice. He also shared guidance on preparing for technical interviews, building a professional profile, improving problem-solving abilities, and understanding current industry trends.

The interaction provided students with an opportunity to understand real-world industry expectations directly from a recent alumnus working in the technology sector. Students actively participated in the session and gained valuable insights into career planning, skill development, and professional growth.

Programme Outcomes

After attending the programme, students will be able to:

1. Understand current **industry trends and career opportunities** in Electronics and Communication Engineering.
2. Identify the **technical skills, tools, and competencies** required for industry roles.
3. Gain awareness of career opportunities in areas such as **VLSI, Design Verification, Embedded Systems, Semiconductor Technology, and related ECE domains**.
4. Develop better awareness of **placement preparation, professional development, and career planning**.
5. Learn from the real-world experiences of alumni and relate academic knowledge to **industrial applications**.
6. Interact confidently with industry professionals and alumni to seek **career guidance and mentorship**.

Programme-Specific Outcomes (PSOs)

The programme supports the following ECE-oriented PSOs:

PSO1: Apply knowledge of electronics, communication, digital systems, and related engineering concepts to understand and address industry-oriented problems.

PSO2: Develop and apply appropriate **technical skills, simulation tools, design methodologies, and verification techniques** relevant to Electronics and Communication Engineering.

PSO3: Demonstrate professional competencies, communication skills, teamwork, adaptability, and continuous-learning abilities required for **successful careers in the electronics and allied industries**.

PSO4: Identify emerging opportunities in **VLSI, semiconductor technology, embedded systems, design verification, communication systems, and other interdisciplinary areas**, and plan appropriate career development pathways.

Vote of Thanks by Dr G Naga Swetha Madam

Dr. G. Naga Swetha, Alumni Relation Officer, proposed the vote of thanks. She expressed sincere gratitude to:

- **Dr. N. Vijaya Bhaskar Choudary**, Founder & Chancellor Sir for his continuous support in fostering a strong alumni ecosystem and promoting lifelong association with the University.
- **Shri. N. Dwarakanath**, Pro Chancellor Sir for providing excellent facilities and continuous support.
- **Mrs. Keerthi Nadella**, Executive Director Madam for spearheading student upskilling, leadership development, and holistic growth initiatives. For upgrading the students
- **Dr. C. Yuvaraj**, Vice Chancellor (In-charge), Sir for his visionary leadership, strategic guidance, and unwavering support towards the progress of the University.
- **Dr. D. Pradeep Kumar**, Registrar (In-charge), Sir for administrative support and coordination
- **Dr. P. Ramanathan**, Principal, Sir for encouraging such career development initiatives
- **Dr. D. Dipankar Roy**, Dean, School of Engineering, Sir for his guidance and support
- **Dr. Sanjay Kumar C. Gowre**, Professor & Head, Sir Department of ECE, for his constant encouragement and departmental leadership
- A special and heartfelt thanks to our distinguished alumnus and resource person, **Mr. D. Santhosh, Design Verification Engineer, MSDV Technologies, Bengaluru**, for taking the time to interact with our students and for sharing his valuable industry experience, career journey, technical insights, and guidance I am sure that his words and experiences will inspire our students and help them make informed decisions about their careers.
- **Faculty members** of the ECE department for their support in organizing the event
- **Students** for their enthusiastic participation and engagement.