

**A Report on Expert talk on**  
**“Essential Employability skills for carriers in design and analysis industries”**  
**Organized by Department of Mechanical Engineering**  
**on 11.02.2025**



**Report Submitted by:** Mr. S. Manoj Kumar, Assistant Professor, Department of Mechanical Engineering.  
**Resource Person Details:** Mr. B R MINI VENKATA KRISHNA, CEO, Mayin Krish Ventures Pvt. Ltd., Hyderabad.  
**Participants:** III Year ME students  
**Attendance:** 50 participants (Internal)  
**Venue:** KK009  
**Mode of Conduct:** Offline.  
**Report Received on**27.02.2025.

The department of Mechanical Engineering, has organized Expert talk on “Essential Employability skills for carriers in design and analysis industries” in association with IIC and ED cell on 11.02.2025 (Friday), 11:00 AM to 12.30 PM.

**Objectives:**

- To develop expertise in industry-standard design and analysis tools, software, and methodologies to create innovative solutions.
- To cultivate analytical thinking to assess challenges, generate effective solutions, and optimize design processes.
- To enhance the ability to evaluate data, interpret trends, and make informed decisions to improve design accuracy and efficiency.



The Programme started at 11:00 AM with a welcome address to all the audience by Mr. S. Manoj Kumar, Assistant Professor, Department of ME, MITs, Madanapalle. Later Dr. S. Baskaran, Assoc. Professor & Head ME addressed the gathering. The resource person started the session by extending his hearty thanks to the participants, organizing members, HOD, Principal and Management of MITs Madanapalle, for giving the opportunity to share his knowledge and experience in on “Essential Employability skills for carriers in design and analysis industries”.

## **The Resource Person delivered a Lecture on the Following Topics:**

### **1. Technical Proficiency**

The foundation of any career in design and analysis lies in mastering industry-standard tools, software, and methodologies. Whether it's CAD, simulation software, or data analysis tools, staying up to date with the latest advancements is essential.

### **2. Problem-Solving and Critical Thinking**

The ability to analyze challenges and develop innovative solutions is a key requirement in this field. Design and analysis professionals must be able to think critically, break down problems, and create efficient, cost-effective solutions.

### **3. Communication Skills**

A brilliant idea or design has little value if it cannot be communicated effectively. Whether it is presenting ideas, writing reports, or collaborating with a team, strong communication skills are essential for career success.

### **4. Collaboration and Teamwork**

No project is completed in isolation. Professionals in design and analysis industries often work in multidisciplinary teams, requiring effective collaboration and adaptability. The ability to work harmoniously with colleagues enhances productivity and project outcomes.

### **5. Project Management and Time Management**

Meeting deadlines and managing multiple tasks efficiently is a crucial skill. Understanding how to prioritize tasks, allocate resources effectively, and deliver results on time can greatly impact career growth.

### **6. Adaptability and Continuous Learning**

With technology evolving at a rapid pace, professionals must commit to lifelong learning. Those who embrace change, upskill regularly, and stay ahead of industry trends will always have a competitive edge.

### **7. Attention to Detail**

Accuracy is critical in design and analysis. A minor error in calculations or design can lead to major setbacks. Professionals must cultivate attention to detail to ensure high-quality outputs.

### **8. Innovation and Creativity**

Innovation drives progress. Whether in product design, structural analysis, or system optimization, thinking outside the box and exploring creative solutions lead to breakthrough advancements.

## **Event Outcomes:**

### **1. Enhanced Understanding of Industry Requirements**

Participants have gained a deeper insight into what employers look for beyond technical expertise. The session highlighted how a strong foundation in problem-solving, critical thinking, and teamwork is just as important as mastering design and analysis tools.

### **2. Strengthened Communication and Collaboration Skills**

We have learned that effective communication—both verbal and visual—is a fundamental skill. Whether it's presenting ideas, writing reports, or collaborating with colleagues, clear communication enhances project success and professional growth.

### **3. Increased Awareness of Time and Project Management**

A successful career in design and analysis requires the ability to manage projects efficiently. Today, we discussed the importance of prioritization, meeting deadlines, and optimizing resources to ensure smooth project execution.

### **4. Encouragement for Continuous Learning and Adaptability**

The industry is constantly evolving with new technologies, tools, and methodologies. One of the biggest takeaways from this event is the need for professionals to stay updated, embrace change, and commit to lifelong learning.

## **Vote of Thanks:**

The session concluded at 12:30 PM, followed by a vote of thanks delivered by **Mr. Manoj Kumar** Assistant Professor, Department of Mechanical Engineering. He expressed heartfelt gratitude to the resource person for sharing valuable expertise and for guiding students on employability skills in design specialization.