



**A Report on Three-Day Workshop on  
“Advancing Civil Engineering Careers Through Research, Innovation, Industry  
Engagement and Global Opportunities”**  
Organized by Department of Civil Engineering  
In collaboration with  
**MITS Alumni Welfare Association & ASCE MITS Student Chapter**  
from 22.12.2025 to 24.12.2025



**Report Submitted by: Mrs. Kandukuri Anitha, Assistant Professor, Department of Civil Engineering.**

**Venue: Seminar Hall-C**

**Time: 10:00 AM to 5:00 PM**

**Mode of Conduct: Offline.**

**Attendees Count: 100 students**

**Dignitaries Present:**

1. Dr. Dipankar Roy, Professor and Dean – School of Engineering
2. Dr. Vijayakumar. N, Head of the Department of Civil Engineering
3. Dr. Sudheerkumar Y, Associate Professor, Department of Civil Engineering
4. Mrs. Kandukuri Anitha, Assistant Professor, Department of Civil Engineering.
5. Dr. G. Nagaswetha, Assistant Professor, and Alumni Relations Officer Dept. of ECE.

**Resource Person Details:** Mr. P. Karthik, Technical Engineer-1 from Hilti Technology Solutions India; Mr. Sheikh Shakeer Ahmed, Research Scholar at NIT Warangal; Mr. B. Narasimhulu, Senior Steel Detailing Checker at Green Brook Engineering Pvt. Ltd., Bangalore and Mr. K. Sai Krishna, Subsea Engineer – Flexibles & Umbilical's at TechnipFMC.

**Objectives of the Workshop**

1. To create awareness among students about research and innovation opportunities in Civil Engineering.
2. To bridge the gap between academic learning and industry requirements through expert interaction.
3. To expose students to emerging trends and advanced technologies in Civil Engineering.
4. To guide students on career pathways in industry, research, and higher studies.
5. To provide insights into global opportunities, including international education and professional practices.
6. To motivate students to develop technical skills, research aptitude, and professional competence.

**Event details:**

The Alumni Cell, in collaboration with the MITS Alumni Welfare Association and the ASCE MITS Student Chapter, Department of Civil Engineering, organized a three-day workshop on “Advancing Civil Engineering Careers Through Research, Innovation, Industry Engagement and Global Opportunities” on 22-12-2025 to 24-12-2025 from 10:00 AM to 5:00 PM, at Seminar Hall-C, Madanapalle Institute of Technology & Science (MITS).

**A summary of the Workshop is as follows:**

Mrs. Kandukuri Anitha, Assistant Professor, Department of Civil Engineering, delivered the welcome address for the event. She emphasized the importance of the workshop.

Dr. N. Vijayakumar, Assistant Professor and Head of the Department, highlighted the significance of organizing such workshops for enhancing students' technical knowledge and career readiness. He emphasized the importance of industry interaction and research exposure. He encouraged students to actively participate and make the best use of the learning opportunities provided.



**Dr. Dipankar Roy**, Professor and Dean – School of Engineering motivated the students to actively participate and remain focused throughout the three-day workshop on Advancing Civil Engineering Careers Through Research, Innovation, Industry Engagement and Global Opportunities. He emphasized the importance of developing practical design skills to enhance professional growth and employability.

**Dr. G. Nagaswetha**, Assistant Professor in ECE and Alumni Relations Officer, addressed the gathering and spoke about the importance of internships in shaping students' careers. She highlighted how workshops help bridge the gap between academics and industry. She also emphasized the vital role of alumni in mentoring and guiding students. Her address encouraged students to actively engage with alumni initiatives for professional growth.

**Dr. Sudheer Kumar Y**, Associate Professor, addressed the gathering and emphasized the importance of such workshops for overall student development. He encouraged students to actively participate and gain maximum benefit from the sessions. He highlighted the value of learning from industry experts and researchers. He concluded by motivating students to make effective use of the workshop program for their future careers.

**Mrs. Kandukuri Anitha** also welcomed the resource person, emphasized the importance of the workshop, and formally handed over the session to the resource person.

A total of **100 students and faculty members** from the Department of Civil Engineering actively participated in the three-day workshop.

#### **Day 1: 22.12.2025**

**Mr. P. Karthik**, Technical Engineer-1 from Hilti Technology Solutions India, delivered an insightful session on the topic **“In the Moment: How Natural Are You?”**. He emphasized the importance of being present, self-aware, and authentic in both professional and personal life. The speaker explained how natural behavior and emotional intelligence play a key role in effective communication, teamwork, and decision-making. Through practical examples from the workplace, he guided participants on handling pressure, improving confidence, and maintaining balance. The session was interactive and motivating, leaving the audience inspired to adopt a more mindful and natural approach in their careers.



#### **Day 2: 23.12.2025**

**Mr. Sheikh Shakeer Ahmed**, Research Scholar at NIT Warangal, delivered an informative session on **“Research and Innovation in Civil Engineering.”** He highlighted the importance of research in addressing modern infrastructure challenges and promoting sustainable development. The speaker discussed emerging areas such as advanced materials, smart structures, and innovative construction techniques. He also guided students on how to approach research problems, publish quality papers, and pursue higher studies. The session motivated participants to develop a research mindset and actively contribute to innovation in the field of civil engineering.

**Mr. B. Narasimhulu**, Senior Steel Detailing Checker at Green Brook Engineering Pvt. Ltd., Bangalore, delivered an engaging session on **“Navigating the Journey: From Civil Engineering Graduate to Global Steel Detailing Specialist.”** He shared his professional journey and explained the role of steel detailing in global construction projects. The speaker discussed required technical skills, industry software, and quality standards followed in international projects. He also emphasized career opportunities, challenges, and growth paths in steel detailing. The session inspired students to explore global career prospects and plan their professional journey with clarity and confidence.

### Day 3: 24.12.2025

Mr. K. Sai Krishna, Subsea Engineer – **Flexibles & Umbilical's at TechnipFMC**, delivered an insightful session on “**Beyond the Blueprint**.” He explained how civil and offshore engineering concepts are applied in real-world subsea projects beyond theoretical designs. The speaker shared his industry experience in subsea systems, flexible pipelines, and umbilical's used in offshore energy projects. He highlighted the importance of interdisciplinary knowledge, safety, and innovation in complex engineering environments. The session motivated students to look beyond textbooks and understand practical, global engineering applications.

### Outcomes of the Event

1. Improved awareness of research trends and innovations in civil engineering.
2. Enhanced industry–academia interaction for practical exposure.
3. Better understanding of career opportunities in research and industry.
4. Development of technical, research, and professional skills among participants.
5. Increased global exposure and networking opportunities.
6. Motivation for students and faculty towards advanced studies and professional growth.

### Program Outcomes (POs) Covered

1. **PO1: Engineering Knowledge:** Applied civil engineering fundamentals to understand research and industry practices.
2. **PO2: Problem Analysis:** Identified real-world engineering challenges through industry interaction and research discussions.
3. **PO3: Design/Development of Solutions:** Encouraged innovative and sustainable solutions to civil engineering problems.
4. **PO5: Modern Tool Usage:** Awareness of modern tools, technologies, and research methodologies.
5. **PO8: Ethics:** Understanding of professional ethics and responsibilities in global engineering practice.
6. **PO10: Communication:** Improved technical communication, presentation, and networking skills.

### SDG Goals Aligned with the Event

1. **SDG 4: Quality Education:** Promotes advanced learning, research, and skill development in civil engineering.
2. **SDG 8: Decent Work and Economic Growth:** Enhances employability and industry-ready skills.
3. **SDG 9: Industry, Innovation and Infrastructure:** Encourages innovation and sustainable infrastructure development.
4. **SDG 11: Sustainable Cities and Communities:** Supports planning and development of resilient urban infrastructure.
5. **SDG 12: Responsible Consumption and Production:** Promotes sustainable construction practices and resource efficiency.
6. **SDG 17: Partnerships for the Goals:** Strengthens collaboration between academia, industry, and global institutions.

### Conclusion:

The event “Advancing Civil Engineering Careers Through Research, Innovation, Industry Engagement and Global Opportunities” successfully highlighted the importance of integrating research, innovation, and industry collaboration in civil engineering education. It provided valuable insights into emerging technologies, career pathways, and global prospects, while strengthening industry–academia interaction. The program motivated students and faculty to pursue advanced research, adopt modern engineering practices, and prepare for sustainable and globally competitive civil engineering careers.

### Vote of Thanks:

Mr. G. Mahesh Babu proposed a vote of thanks to the resource person, B. Tech Students, for attending the interaction programme and he extended his thanks to the Principal and the Management for their support in conducting the Program. We thank the Alumni cell and ASCE MITS Student Chapter for their continuous support to make this event a success.

### Newspaper Clips:

