

REPORT

on

One-week International Short-Term Training Program

:

"Bridging Academia and Industry in Civil Engineering: A Global Perspective"

Date : 17th - 21st February, 2025



Centurion
UNIVERSITY

Shaping Lives...
Empowering Communities...

Organized by

Department of Civil Engineering
School of Engineering and Technology, Bhubaneswar

in collaboration with

IEEE Student Branch, CUTM

Centurion University of Technology and Management,
Odisha, India

Key Activities :

- **Inauguration Program:** The ceremony featured a welcome address, lighting of the lamp, and speeches highlighting the significance of bridging academia and industry in civil engineering by esteemed dignitaries, including **Dr. Supriya Pattanayak**, Vice Chancellor, CUTM, Odisha, **Dr Biswajit Mishra**, Pro Vice-Chancellor (Academics), CUTM, **Prof. Jagannath Padhi**, Director, CUTM, **Dr. Sujata Chakravarty**, Dean, SoET, CUTM, **Dr. Jyoti Prakash Giri**, HoD, Civil Engineering, SoET, CUTM, Who shared their valuable words.
- **Expert Lectures :**
 - **Day 1 : Resource Experts**
Dr. Mahabir Panda,
Professor, NIT Rourkela
Dr. R Venkata Raghavan,
Assistant Professor, IIT Bhubaneswar
Dr. Prateek Kumar Dhir,
Research Professor, Durham University, UK
 - **Day 2 : Resource Experts**
Dr. Pradip Sarkar,
Professor & Dean (Development & Planning), NIT Rourkela
Dr. Aparupa Pani,
Associate Professor & Associate Dean Research, KIIT University
Er. Abhijit Bairagi,
BIM Expert, AP (**Online Session**)
Er. Bipin Padhy,
Executive Director (Technical), SM Consultants, Bhubaneswar
 - **Day 3 : Resource Experts**
Dr. Amar Nath Nayak,
Retired Professor, VSSUT Burla
Dr. Sujata Chakravorty,
Dean & Professor, SoET, CUTM, Bhubaneswar
Dr. Kamal Kumar Barik,
Associate Professor, SoET, CUTM, Bhubaneswar
Dr. Ponnambalam Rameshwaram,
Scientist, UK Centre for Ecology & Hydrology (**Online Session**)

- **Day 4 : Resource Experts**
Dr. Umesh Chandra Sahoo,
Associate Professor, IIT Bhubaneswar
Er. Manoranjan Mishra,
Former Engineer in Chief, Odisha Work Department
Dr. Kishanjit K. Khatua,
Professor, NIT Rourkela
- **Day 5 : Resource Experts**
Dr. Ramakar Jha,
Professor, NIT Patna

- **Hands-on Session and Demonstration:** Practical training session, including a DGPS (Differential Global Positioning System) practice session, provided participants with hands-on experience. These session helped bridge the gap between theoretical knowledge and real-world applications.
- **Interactive Q&A Session:** Expert panelists engaged in discussions on key topics, allowing participants to interact, ask questions, and gain clarity on various aspects of civil engineering advancements and challenges.
- **Valedictory Session:** The program concluded with a valedictory ceremony where participants and speakers shared their experiences. Key takeaways from the event were summarized, emphasizing the impact and success of ISTTP 2025. At the end of the session, **Dr. Siba Prasad Mishra**, Professor, (Civil Engineering) SoET, CUTM, Bhubaneswar gave the Vote of thanks and concluded the session.

Key Highlights :

- **Expert Insights:** Engaging sessions by distinguished speakers from renowned institutions, covering cutting-edge advancements in civil engineering.
- **Practical Exposure:** Hands-on training and live demonstrations on modern civil engineering technologies.
- **Interactive Sessions:** Q&A sessions fostering industry-academia interaction.
- **Networking Opportunities:** Participants engaged with experts, industry professionals, and peers to discuss research collaborations and career prospects.

Key Outcomes :

- **Enhanced Knowledge:** Participants gained deeper insights into emerging trends and industry best practices in civil engineering.
- **Stronger Collaborations:** The event fostered partnerships between academia and industry professionals, paving the way for future joint projects and research initiatives.
- **Skill Development:** Practical sessions and case studies provided hands-on learning experiences, improving problem-solving skills.
- **Positive Reception:** Attendees appreciated the quality and relevance of sessions, with valuable takeaways for academic and professional growth.
- **Future Engagements:** The program laid a foundation for future conferences, workshops, and training programs to further knowledge sharing in the domain.

Future Scope :

The future of **ISTTP** aims to expand its reach by involving more international industry experts and professionals to enhance knowledge-sharing opportunities. There will be a stronger focus on **hands-on training, incorporating real-world case studies** and **industry-driven challenges** to provide practical learning experiences. Research collaborations between academia and industry will be encouraged to develop innovative solutions for modern civil engineering challenges. Additionally, specialized workshops will be introduced to equip participants with **contemporary civil engineering tools** and **sustainable practices**. Lastly, a dedicated networking platform will be established to foster continued professional growth, mentorship, and collaborations beyond the event.

Feedback from Participants:

Participants appreciated the comprehensive approach of the program, the quality of the speakers, and the **interactive nature of the sessions**. Some suggestions included extending hands-on sessions and incorporating more case studies. Attendees also valued the opportunity to **engage directly with industry experts**, gaining practical insights beyond academic learning. Many participants expressed interest in follow-up workshops and training programs to deepen their **understanding of emerging technologies**. Overall, the event received **highly positive feedback**, with attendees recognizing its impact on their academic and professional development.

Acknowledgements :

Special thanks to the **organizing committee**, **distinguished speakers**, **supporting staff**, and **all participants** for their contributions. Gratitude is extended to institutional leadership for their support in making **ISTTP 2025** a success. We also appreciate the dedicated efforts of **student volunteers** who played a crucial role in ensuring the smooth execution of the event. Their enthusiasm and commitment contributed significantly to the program's success. Lastly, a heartfelt thank you to all attendees for their active participation, insightful discussions, and valuable feedback, which will help shape future editions of **ISTTP**.

Glimpses of the session :

**विकसित भारत अभियान**
1947 TO 2047

4 QUALITY EDUCATION

9 INDUSTRY INNOVATION AND INFRASTRUCTURE

11 SUSTAINABLE CITIES AND COMMUNITIES

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 **Center for Values to Wealth Management**

 **Center for Smart Infrastructure**

Centurion University of Technology and Management, Odisha
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