

5-Day Industry-Oriented Faculty Development Programme on “Advanced Construction Technologies” by Department of CIVIL Engineering

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CONVENOR

Dr. G V L N Murthy
Associate Professor &
Head of the Department

COORDINATORS

- Dr. A. Venkata Krishna
Associate Professor
- Dr. M S V K V Prasad
Associate Professor
- Dr. V. Gajendra
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ORGANIZING COMMITTEE

- Mr. D. Satish
Assistant Professor
- Mr. Ch. Ravi Kiran
Assistant Professor
- Mr. JASR Maruthi
Assistant Professor
- Mr. V. Manikyal Rao
Assistant Professor

DAY WISE PROGRAMME SCHEDULE
Every Day 6:30 PM onwards

Day	Topic	Speaker	Organization
DAY 1 31.08.2026	Challenges in Building the World's Tallest Rail Bridge	Ankala Saibaba, IRSE CEO, Abhilan Bridge Tech Consultants	Abhilan Consultants
DAY 2 01.09.2026	Understanding Moisture and Its Impact on Pavement Performance: Integrating Environmental Effects into Pavement Design	Dr. Rahul Reddy, Technical Manager, Roads at Zydex Group	Zydex
DAY 3 02.09.2026	Emerging Technologies in Sustainable Pavement Engineering: Laboratory Innovations to Field Implementation	Dr. M. Nagendra Reddy, Technical Head - Research and Business Development, Eco-additives India Pvt. Ltd.	eco Additives
DAY 4 03.09.2026	Eyes in the Sky: Monitoring Infrastructure from Space	Dr. Subash Yegina, Senior Research Scientist, Pixxel Space	pixxel
DAY 5 04.09.2026	Advanced and Sustainable Construction Materials	G. Suresh Kumar, Regional Head, Technical Services, UltraTech Cement Ltd.	UltraTech

NO REGISTRATION FEE

CLICK HERE FOR REGISTRATION OR VISIT THE LINK
<https://forms.gle/dFGSa5f593pQVBsG8>

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SWARNANDHRA
COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)
Seetharampuram, Narasapur,
West Godavari District, Andhra Pradesh

5-Day Online
INDUSTRY-ORIENTED
FACULTY DEVELOPMENT
PROGRAMME
ON
ADVANCED CONSTRUCTION TECHNOLOGIES

31 AUGUST – 04 SEPTEMBER 2026

KEY NOTE SPEAKER
31.08.2026
6:00 PM onwards

Dr. K Sudhakar Reddy
Professor
Department of Civil Engineering
Indian Institute of Technology- Kharagpur

INDUSTRY PARTNERS

Organized by
Department of Civil Engineering

ABOUT THE INSTITUTION

Swarnandhra College of Engineering and Technology (CET Code: SWRN) was established in the year 2001 at Seetharampuram, Narasapur, West Godavari District, Andhra Pradesh by The Visista Educational Society with a vision to empower the students to become technologically sound, innovative and emotionally matured to face the challenges of the globalized world economy. Swarnandhra offers UG Programs: CIVIL, EEE, MECH, ECE, CSE, IT, Robotics, AIML, AIDS, CSE-Data Science, CSE-Cyber security, BBA and BCA, PG Programs: CAD/CAM, PE, VLSI, CSE, CSE (AIML), Structural Engineering, MBA and MCA. The Institution has four JNTUK recognized research centers.

VISION

“To produce global competent, ethical and dynamic professionals by creating Centre of Excellence in Technical Education for societal empowerment.”

MISSION

- M1 : To provide quality education with knowledge and skills for rural and urban students.
- M2 : To collaborate the industries with academia for empowering the students to meet global standards.
- M3 : To induce highly ethical entrepreneurship in young minds with good leadership quality for the society.
- M4 : To enhance the institution in Research and Development by human intellectual capability.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 2009. The department is offering UG and PG Courses (Structural Engineering Specialization). The department has well experienced facilities and well-established laboratories. Faculty members of the department are engaged in innovative research activities and enriching the knowledge of students by involving themselves in live projects. The department students are doing their projects in reputed organizations like Airport Authority of India (AAI), National Highways Authority of India (NHAI) and NITs. It has also strong association with industries like Chettinad Cements, JSW Cements providing students with opportunities for internships and placements.

VISION OF THE DEPARTMENT

“To make the students strong in both technical and practical aspects to meet the national and international requirements.”

MISSION OF THE DEPARTMENT

- M1 : To facilitate the graduates in acquiring technical exposure to create innovative ideas through state-of-the-art curriculum and conducive learning environment.
- M2 : To provide quality education for successful career and higher studies in Civil Engineering that emphasizes academic and technical excellence in profession and research, effective communication, teamwork and leadership to meet the challenges of the society.
- M3 : To improve the professional skills of the rural students to fulfil the present industry and society requirements.

OBJECTIVES OF THE FDP

- To familiarize faculty with advanced and emerging construction technologies.
- To provide industry-oriented knowledge and practical insights.
- To promote sustainable and innovative practices in Civil Engineering.
- To bridge the gap between academia and industry.

TOPICS TO BE COVERED

- Challenges in Building the World's Tallest Rail Bridge
- Understanding Moisture and Its Impact on Pavement Performance: Integrating Environmental Effects into Pavement Design
- Emerging Technologies in Sustainable Pavement Engineering: Laboratory Innovations to Field Implementation
- Eyes in the Sky: Monitoring Infrastructure from Space
- Advanced and Sustainable Construction Materials

OUTCOMES

- Understand advanced construction technologies and practices.
- Apply knowledge of sustainable construction and pavement technologies.
- Understand satellite-based infrastructure monitoring.
- Identify applications of advanced construction materials.
- Integrate industry practices into teaching and research.

ELIGIBILITY AND REGISTRATION

It is open to faculty members of AICTE approved institutions, research scholars, participants from government organizations and industry professionals. Registration is mandatory for attending the FDP and to get the certificate.

Note: E-certificate will be provided to all the eligible participants.

From 31-08-2026 to 04-09-2026 participants had the privilege of listening to eminent experts from diverse areas of the construction and infrastructure sector. Each session has brought a valuable blend of industry experience, research insights, emerging technologies, sustainability and practical applications. All the sessions have covered a wide spectrum of contemporary topics from the challenges involved in major railway infrastructure and pavement performance to sustainable pavement technologies, satellite-based infrastructure monitoring, and advanced and sustainable construction materials. These sessions have reinforced an important message: the future of civil engineering lies in the integration of technology, sustainability, innovation and practical engineering knowledge. As faculty members and educators this Industrial Oriented FDP provide an opportunity not only to update our technical knowledge but also to bring industry-oriented practices and emerging technologies into our classrooms, laboratories and research activities. The knowledge and experiences gained during these five days will inspire to explore new ideas, strengthen our research, improve our teaching practices and prepare our students to meet the evolving demands of the civil engineering profession.

The total registered participants around 310. Each day feedback given by 190 and over all feedback given by participants around 200.