

## About the Institute



Sipna Shikshan Prasarak Mandal (SSPM), established in 1995, is committed to imparting high-quality technical education and nurturing professionals equipped for a rapidly evolving technological landscape. Sipna College of Engineering & Technology (SCOET), Amravati, established in 1999, is an autonomous institute affiliated with Sant Gadge Baba Amravati University, Amravati, approved by AICTE, and accredited with **NAAC 'A+'** and **NBA** for five undergraduate programs. The institute is recognized under the **AICTE Margdarshan Scheme** as a mentee of COEP Technological University, Pune, and holds **ISO 9001:2015** and **ISO 14001:2015** certifications. The institute is known for its modern infrastructure, qualified faculty, research culture, and strong collaborations with industries and academic institutions.



## About Department

The Department of Civil Engineering at Sipna College of Engineering & Technology offers a B.Tech. program with an intake of 60 and an M.Tech. in Structural Engineering with an intake of 18. The undergraduate program is accredited by NBA, reflecting its commitment to quality education and continuous improvement. The department is supported by a team of highly qualified and experienced faculty dedicated to academic excellence and student growth. It houses advanced laboratories in structural engineering, geotechnical engineering, environmental engineering, transportation engineering, and concrete technology, with several facilities developed as per NABL standards for reliable testing and consultancy.

## About FDP

The ISTE-approved faculty development program on AI and Digital Technologies in Civil Engineering, organized by Sipna College of Engineering & Technology, Amravati in association with the Indian Society of Structural Engineers (ISSE), Amravati Centre, aims to enhance the digital competencies of faculty, researchers, and professionals through expert-led online sessions scheduled from 15<sup>th</sup> to 20<sup>th</sup> December 2025. This programme focuses on the application of artificial intelligence, machine learning, and modern digital tools in civil engineering, supported by daily assessments as per ISTE guidelines. Eminent academicians and industry experts will deliver sessions on digital transformation and smart infrastructure, enabling participants to strengthen their teaching, research, and consultancy skills. The FDP encourages innovation, interdisciplinary learning, and sustainable engineering practices while offering valuable exposure to industry-relevant methodologies.

# Faculty Development Programme (FDP)

## AI and Digital Technologies in Civil Engineering

*Organized by*

**Department of Civil Engineering,**

**ISTE Approved**

*In association with*

**Indian Society of Structural Engineers**

(ISSE- Amravati centre)

15<sup>th</sup> To 20<sup>th</sup> December 2025



**Sipna College of  
Engineering & Technology,  
Amravati**

**An Autonomous Institute**

Opposite to Nemani Godown, Nimbora,  
Badnera Road, Amravati, (M.S.) 444701

<https://sipnaengg.ac.in/>

## Patron

### Hon'ble Shri. Jagdishji Gupta

President, SSPM

## Chairperson

### Dr. Sanjay M. Kherde

Principal

## Convenor

### Prof. Ravi V. Rothkar

Head of Department

## Coordinator

### Dr. Anurag V. Tiwari

Associate Professor, Civil Engineering

## Co-Coordinator

### Dr. Rani B. Wath

Assistant Professor, Civil Engineering

## Organizing Committee

Dr. Y. S. Khandekar

Prof. S. P. Mahajan

Prof. S. M. Patil

Prof. S. N. Kalbende

Prof. A. S. Attal

Prof. A. A. Pande

Prof. R. R. Badnakhe

Prof. Ms. S. D. Kawre

Prof. S. V. Kawalkar

Prof. S. V. Sabale

Dr. P. A. Deshmukh

## About Training

Mode of Delivery: Live web sessions through online mode.

Requirements to get e – Certificate

- Smart phone/laptop with good internet facility
- Attendance is mandatory 80% minimum
- Online test will be conducted at the end of FDP as per guidelines of ISTE.

## Registration Fee

For ISTE Member : ₹250/-

For Non ISTE Member : ₹300/-

(e-certificates will be provided to all participants)

Last Date of Registration:

12<sup>th</sup> December 2025

Registration Link / QR Code:

<https://forms.gle/a4Tba33MnojamAyr>



## Resource Persons

Sessions will be delivered by eminent experts from reputed academic institutions, and industry, specializing in artificial intelligence applications, digital engineering tools, and smart infrastructure technologies.

## Objectives of the FDP

This programme aims to provide participants with a comprehensive understanding of the emerging AI-driven and digital technologies revolutionizing the civil engineering domain. It focuses on:

- Enhancing technical skills related to digital transformation in civil engineering
- Understanding modern tools for data-driven and sustainable infrastructure development
- Strengthening the capabilities of faculty, researchers, and professionals
- Promoting innovation and interdisciplinary approaches in engineering education

## Outcomes of FDP

- Enhance their understanding of AI and digital technologies relevant to civil engineering
- Strengthen their teaching, research, and consultancy capabilities
- Gain exposure to advanced tools and methodologies used in smart infrastructure
- Develop competencies aligned with the future needs of the construction industry

## Who Should Attend?

- Faculty from Engineering and Polytechnic Institutions
- Civil Engineering Professionals and Consultants
- PG Students and Research Scholars
- Individuals interested in AI and Digital Infrastructure

## For Communication

Dr. Anurag V. Tiwari

M. 8275395752

(avtiwari@sipnaengg.ac.in)

Dr. Rani B. Wath

M. 9764321220

(rbwath@sipnaengg.ac.in)