

**Department  
of  
Civil  
Engineering  
NEWSLETTER  
2025-26**

**Vision of the  
Department**

To achieve excellence in civil engineering education by promoting innovation, research, and commitment to societal values.

**Mission of the  
Department**

**M1:** To impart quality education through updated curriculum, skilled faculty, and Innovative teaching.

**M2:** To develop industry-ready professionals by means of inculcating creative thinking and industry collaboration.

**M3:** To promote innovation and research by establishing center for supporting interdisciplinary projects.

**M4:** To develop socially responsible civil engineers through practical training and lifelong learning.

# SKN Sinhgad College of Engineering, Pandharpur.

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## **One Week Value Addition Program on Analysis & Design of RCC Structures using ETABS**

The Department of Civil Engineering organized the VAP on 14th July to 19th July 2025, to bridge the gap between academic curriculum and practical software-based analysis. Students developed and analysed a 3D model of an RCC G+10 structure using ETABS. Through expert-guided sessions, students understood modelling strategies, loading concepts, structural behaviour, and design practices.

### **Objectives:**

The objectives of this VAP are,

1. To develop 3D models of RCC G+10 buildings.
2. To apply loads as per relevant IS code provisions.
3. To perform 3D structural analysis and interpret the results for design of structural elements.

### **Outcomes:**

1. Students were able to prepare a 3D structural Model using ETABS software
2. Students can apply various loads to the 3D structural model
3. Students can analyse the Model and interpret the results.
4. Students can perform design & detailing using ETABS software.

**Total Participants: 58 Final Year Civil Engineering Students**



**Hands-on Structural Engineering: Student performing ETABS analysis**

## **One Week Value Addition Program on REVIT – For Engineers**

The Department of Civil Engineering successfully organized a One Week Value Addition Program on "REVIT – For Engineers" from 14th to 17th August 2025. The program aimed to enhance the technical skills and practical knowledge of students in Building Information Modeling (BIM) using REVIT software, which is widely used in engineering design and construction. A total of 70 students from Third Year B. Tech actively participated in the program, gaining hands-on experience and deeper insights into modeling, drafting, and project visualization. The sessions were conducted by Mr. Parag Deshmukh, an expert trainer from CADD DESK, Pune, who guided the participants through advanced tools and industry-relevant applications, fostering both conceptual understanding and practical proficiency.

### **Objectives:**

1. To enhance the technical proficiency of engineering students in using REVIT software for architectural and structural modelling, drafting, and project visualization.
2. To expose students to industry-standard tools and workflows, enabling them to apply BIM techniques in real-world engineering projects.
3. To develop problem-solving, design thinking, and collaborative skills through practical exercises and expert guidance, preparing students for future professional challenges.

### **Outcomes:**

1. Students gained hands-on experience with REVIT software.
2. Enhanced understanding of architectural and structural design workflows.
3. Exposure to industry practices and professional collaboration tools.



**Hands-on BIM Modelling: Student creating a building model in Revit**

## A workshop on advance surveying by using DGPS

The Department of Civil Engineering, in association with the Civil Engineering Students Association (CESA), organized a one-day workshop on Advanced Surveying using DGPS on 12th September 2025. The workshop aimed to enhance students' practical knowledge of modern geospatial techniques. Resource experts demonstrated real-time DGPS applications in land surveying and data collection. Students actively participated in hands-on field exercises to understand accuracy and positioning methods.

### Objective

- To introduce students to the principles of DGPS, its working, accuracy enhancement over conventional GPS.
- To demonstrate applications of DGPS in surveying and mapping, civil engineering, construction etc.
- To provide hands-on experience of DGPS receivers / tools.

### Outcomes

- Students gained practical experience in operating DGPS equipment and understanding high-precision surveying techniques.
- Participants learned data collection, processing, and interpretation methods used in advanced geospatial applications.
- The workshop enhanced students' competency in modern surveying tools, improving their readiness for industry and fieldwork projects.



**Hands-on Training: Students learning advanced surveying techniques using DGPS**

## STUDENT ACHIEVEMENT

### Gold Medal Achievement

We are proud to announce that Ms. Sumitra Sangolkar has brought exceptional glory to our department by securing TWO Gold Medals from Punyashlok Ahilyadevi Holkar Solapur University, Solapur, reflecting her remarkable academic dedication and excellence.

#### Gold Medal Achievements

##### BE Civil Engineering

Awarded to the highest scorer among all Civil Engineering students across affiliated engineering colleges.

##### Structural Designing

Awarded for securing the highest marks in Design of Steel Structures, Design of Concrete Structures I, and Design of Concrete Structures II across all Civil Engineering branches of affiliated colleges.

she was also honoured with a Certificate of Appreciation by the Builders' Association of India (BAI), Solapur Centre.



### Academic Excellence Recognized: Mr. Swaroop Dhokate got Admission to IIT Bombay

Mr. Swaroop Dhokate, a graduate of the Department of Civil Engineering, has achieved a significant academic milestone by securing admission to the Indian Institute of Technology (IIT) Bombay for Postgraduate studies in Structural Engineering.

His selection to one of India's premier technical institutions reflects his strong academic foundation, dedication, and passion for advanced learning in the field of structural engineering. The institute congratulates Mr. Swaroop on this proud achievement and wishes him great success in his postgraduate journey.



Mr. Swaroop Dhokate

Alumini Dept of Civil Engineering