

Value Added Programme – Introductory Session - Report

1. **Event Title:** Introductory Session on Value Added Programme
2. **Event Date:** 22nd August 2026
3. **Event Venue:** F109, Department of Civil Engineering, SOET, Sandip University, Nashik
4. **Event Duration:** 1:00 pm to 2:00 pm
5. **Event Coordinator:** Dr. S. Sudhakar & Dr. Swati A Patil
6. **Event Resource Person:** Mr. Mayur Wagh, Managing Director, CADD Centre, Nashik
7. **Sustainable Development Goals (SDGs) Mapping: SDG 4 – Quality Education**
SDG 9 – Industry, Innovation and Infrastructure.
8. **Class:** S.E & T.E. Civil Engineering Students

Brief description of Event:

- The Department of Civil Engineering organized an Introductory Session on Value Added Programmes on 22nd August 2026 for II- and III-Year Civil Engineering students. The session introduced **BIM Technology** and **AI-Driven AutoCAD Applications** for Civil Engineering.
- Mr. Mayur Wagh, Managing Director, CAD Centre, Nashik, provided insights into course modules, practical applications, training schedules, and career opportunities.
- A total of **75 students** participated actively, gaining awareness of industry-oriented digital skills and emerging technologies.

Course Objectives:

- To develop practical AutoCAD drafting skills, advanced visualization techniques, architectural and construction drawing capabilities, professional CAD/BIM workflows, and AI-based rendering and presentation skills for Civil Engineering applications.
- To create realistic 3D visualizations, manage cloud-based BIM projects, apply collaborative Revit workflows, develop BIM models from point-cloud data, and integrate BIM technologies for effective project coordination and documentation

Outcomes of the Event:

- Students gained awareness of BIM and AI-driven AutoCAD applications and their relevance to modern Civil Engineering practices.
- Students understood the industry requirements, practical applications, and career opportunities associated with emerging digital technologies.
- The session motivated students to develop industry-ready technical skills and improve their employability, helping bridge the gap between academic learning and industry expectations.



**Dr Swati Patil HoD, Civil Engineering welcoming and introducing
the Resource Person to the students**



Mr. Mayur Wagh interacting with students and introducing the course modules of the Value-Added Programme.



Mr. Mayur Wagh explaining the course modules and highlighting their relevance to Civil Engineering applications.



SANDIP
UNIVERSITY
UGC Recognised
Under Section 2(f) & 12(B) of UGC

NAAC
GRADE **A**

**SCHOOL OF
ENGINEERING &
TECHNOLOGY**



Sandip University

**SCHOOL OF
ENGINEERING & TECHNOLOGY**

DEPARTMENT OF CIVIL ENGINEERING



SANDIP
UNIVERSITY
UGC NAAC
Recognised GRADE A
Under Section 2(f) & 12(B) of UGC

NG

Value Added Program

AI-DRIVEN AUTOCAD APPLICATION TO CIVIL ENGINEERS



COURSE MODULE

- ▶ AutoCAD Fundamentals and 2D Drafting
- ▶ Advanced Drafting and Visualization
- ▶ Architectural and Construction Drafting
- ▶ Professional CAD Documentation and Workflow
- ▶ AI-Driven Visualization and Project Work

COURSE OBJECTIVES

- To develop practical AutoCAD drafting skills, advanced visualization techniques, architectural and construction drawing capabilities, professional CAD/BIM workflows, and AI-based rendering and presentation skills for Civil Engineering applications.

Academic
Year

2026-27

Total
Duration

60 HRS

Semester

SEM III

TRAINING
PARTNER

**MUDRA INSTITUTE OF
DESIGN & TECHNOLOG**
(CADD CENTRE)



COURSE OUTCOMES

- To create accurate 2D and engineering drawings, prepare architectural and construction drawings, develop professional CAD/BIM documentation, and apply AI-based visualization and rendering techniques for realistic project applications.

DR. ABHILASH KUMAR K A
Coordinator

SWATI A. PATIL
HoD, Civil Engineering

DR. P. G. BURADE
Associate Dean Engineering

📍 A/P- MAHIRAVANI, TRIMBAK ROAD, TAL & DIST- NASHIK - 422213

www.sandipuniversity.edu.in

1800 212 2714



SANDIP
UNIVERSITY
UGC Recognised
Under Section 2(f) & 12(B) of UGC

NAAC
GRADE **A**

**SCHOOL OF
ENGINEERING &
TECHNOLOGY**



DEPARTMENT OF CIVIL ENGINEERING



Sandip University

**SCHOOL OF
ENGINEERING & TECHNOLOGY**

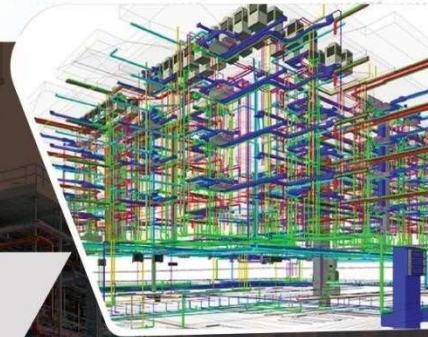
DEPARTMENT OF CIVIL ENGINEERING



SANDIP
UNIVERSITY
UGC NAAC
Recognised GRADE A

Value Added Program

REVIT BIM



COURSE MODULE

- ▮ Twin motion
- ▮ BIM 360
- ▮ BIM Collaboration Pro
- ▮ Scan to BIM:+

COURSE OBJECTIVES

- To develop practical proficiency in BIM technologies, 3D visualization and rendering, cloud-based collaboration, point-cloud processing, Scan to BIM workflows, and industry-standard project coordination and delivery.

Academic
Year

2026-27

Total
Duration

60 HRS

Semester

SEM V

TRAINING
PARTNER

**MUDRA INSTITUTE OF
DESIGN & TECHNOLOGY**
(CADD CENTRE)



COURSE OUTCOMES

- To create realistic 3D visualizations, manage cloud-based BIM projects, apply collaborative Revit workflows, develop BIM models from point-cloud data, and integrate BIM technologies for effective project coordination and documentation.

DR. S.SUDHAKAR
Coordinator

SWATI A. PATIL
HoD, Civil Engineering

DR. P. G. BURADE
Associate Dean Engineering

📍 A/P- MAHIRAVANI, TRIMBAK ROAD, TAL & DIST- NASHIK - 422213

🌐 www.sandipuniversity.edu.in ☎ 1800 212 2714



SANDIP
UNIVERSITY

UGC Recognized
Section 3(u)(ii) & 12B of UGC

NAAC
GRADE **A**

SCHOOL OF
ENGINEERING &
TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING

SS *SP*

Event Coordinator

Dr. S. Sudhakar & Dr. Swati A Patil

Department of Civil Engg

SOET Nashik

SP

HOD

Dr. Swati A Patil

Department of Civil Engg

SOET Nashik

SANDIP UNIVERSITY
NASHIK

School of Engineering and
Technology, Civil Engineering