

D. Y. Patil College of Engineering and Technology, KasabaBawada, Kolhapur
School of Architecture

Activity Report

Building Construction & Material I Case study

Name of activity	Seminar on Digital Transformation for Built Environment
Course	BIM
Year	Fourth year
Academic Year	2024-2025
Date	3 rd September 2024
Category	Extra-Curricular
Name of resource person/s	Ujwal Mandlik
Faculty coordinator/s	Chaitali shah and Pooja Jirge
No. of beneficiaries	Div. A – 32, Div.-B - 35 Total 67
Class & Division	Fourth year Div. A and B
CO mapped	CO2
PO mapped	PO1, PO 5
PO gap identified as per previous year	PO5
PSO mapped	-

Brief description of the activity

Activity Description:

1. Introduction to BIM: Participants will learn about the basics of BIM, its benefits, and industry trends.
2. BIM Software Overview: Hands-on experience with popular BIM software such as Autodesk Revit, Graphisoft ArchiCAD, or Trimble SketchUp.
3. Modelling and Documentation: Participants will create a simple building model, generate 2D drawings, and explore data extraction and analysis.
4. Collaboration and Coordination: Discussion on the importance of collaboration and data management in BIM workflows.

Learning Outcomes:

1. Understand the fundamentals of BIM and its benefits
2. Familiarity with BIM software and modeling techniques
3. Knowledge of data extraction, analysis, and documentation
4. Understanding of collaboration and data management in BIM workflows

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Application-based learning outcomes:

1. Ability to apply BIM principles and workflows to real-world architectural projects.
2. Understanding of how BIM can improve design, construction, and operations processes.
3. Ability to identify and address potential challenges and limitations of BIM adoption.

Attitude-based learning outcomes:

1. Appreciation for the benefits and value of BIM in architectural practice.
2. Willingness to adopt and integrate BIM into daily workflows.
3. Openness to collaboration and knowledge-sharing with colleagues and industry peers.

Photographs

