



Faculty Development Program



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Event Outcome






Title : Advancing Architectural Pedagogy Through BIM, 3D Modelling & Fabrication Tools

Date : 2025-12-01 - 2025-12-05

Time : 10:00 - 17:30

Venue : MGB COMPUTER LAB

- Participants will gain hands-on proficiency in Autodesk Revit and Rhino, enabling them to confidently integrate BIM and advanced 3D modelling into studio teaching.
- Participants will learn updated digital workflows and tools that can be directly incorporated into architectural design studios, improving teaching effectiveness and student output.
- Participants will understand the fundamentals of 3D printing and CNC laser cutting, allowing them to mentor students in model-making, prototyping, and digital fabrication.
- Exposure to contemporary digital practices will support faculty in aligning course content with current industry standards and professional expectations.
- The FDP will equip faculty to explore interdisciplinary research, computational design methods, and innovative architectural solutions within academic and studio environments.

	<p>Resource Person 1 - Details Name : Chandrasekaran C Designation : Professor Grade 1, School of Architecture University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 2 - Details Name : Mohafiz Riyaz Designation : Associate Professor Grade 2, School of Architecture University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 3 - Details Name : Santhan Athmanam S S Designation : Assistant Professor Sr. Grade 1, School of Architecture University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 4 - Details Name : Prabhu M Designation : Assistant Professor Grade 2, School of Architecture University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 5 - Details Name : Praveen C K Designation : Associate Professor Grade 1, School of Architecture University/ Company : VIT, Vellore Address : India, 632014.</p>

Resource Person's Profile :

1. Profile of Chandrasekaran C

Dr. Chandrasekaran C Professor, School of Architecture, VIT Vellore

2. Profile of Mohafiz Riyaz

Prof. Mohafiz Riyaz, Associate Professor, School of Architecture, VIT Vellore

3. Profile of Santhan Athmanam S S

Prof. Shanthan A, Assistant Professor Senior, School of Architecture, VIT Vellore

4. Profile of Prabhu M

Prof. Prabhu M , Assistant Professor, VIT Vellore (20134) Phn-9445510023

5. Profile of Praveen C K

Prof. Praveen CK , Associate Professor, VIT Vellore

The School of Architecture is organizing a five-day Faculty Development Program (FDP) from 01 December to 05 December 2025, aimed at strengthening digital design and fabrication competencies among our faculty members. The program is structured to offer an intensive, hands-on introduction to industry-standard tools that are transforming architectural education and practice.

Days 1 and 2 will feature four technical sessions focused on Autodesk Revit, enabling participants to understand Building Information Modeling (BIM) workflows and develop essential skills in architectural modeling and digital documentation.

Days 3 and 4 will include four sessions dedicated to Rhino 3D, where faculty will be trained in advanced 3D modeling techniques, form exploration, and digital design strategies widely used in contemporary architectural practice.

On Day 5, the program will introduce participants to emerging digital fabrication tools. The first session will cover the fundamentals of 3D printing technologies, materials, and applications within architectural prototyping. The second session will focus on CNC laser cutting, including machine operation, file preparation, and model fabrication techniques.

This FDP aims to empower faculty with updated digital design skills, enhance teaching methodologies, and support the integration of computational and fabrication technologies in architectural pedagogy.

**Coordinator's: Prof. PRABHU M 20134 - Assistant Professor Grade 2 - VSPARC
Prof. PRAVEEN C K 21213 - Associate Professor Grade 1 - VSPARC**