



# ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ



"ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ



## Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India

Dr. Prasad B. Rampure, M.E., Ph.D.  
Registrar

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Ref. No.: VTU/BOS/A12/2026-27/ 290

Date: 17 APR 2026

### Circular

Sub: 5-Day Workshop on Building CAD and 3D Modelling

Ref: 1) Chairperson, BOS in Civil Engineering email dated  
16-04-2026

2) Hon'ble Vice Chancellor's approval dated 17-04-2026

With reference to the above, this is to inform you that laboratory skill-oriented course in the upcoming 3rd Semester of Civil Engineering is newly introduced under the B.E. 2025 Scheme. The Board of Studies in Civil Engineering, VTU has proposed for conducting a 5-day workshop on "**Building CAD and 3D Modelling**" across all VTU regions in two slots to train the faculty to enable effective course delivery.

The workshop is intended to train faculty members on Building CAD, 2D drafting, 3D modelling, and BIM-based workflow using industry-relevant tools such as AutoCAD and Revit. The workshop is being organized by VTU in association with its MoU partner, **M/s Medini Technologies**, without collecting any registration fee from VTU faculty.

A detailed brochure of the workshop is enclosed along with this Circular. You are hereby requested to bring the contents of this Circular to the notice of all the concerned faculty members of your college and encourage them to participate in the workshop.

Encl: As above

Rampure/17/4/26  
Registrar

To

- 1) The Principals of all Engineering Colleges (Constituent, Non Autonomous and Autonomous) under VTU.
- 2) The Chairpersons/Programme Coordinators of all VTU PG Centres at Muddenhalli, Belagavi, Mysuru and Kalaburagi Regions.

Copy to:

- 1) The Regional Director (I/c), VTU Regional Offices at Bengaluru, Belagavi, Kalaburagi & Mysuru for information and circulation.
- 2) The Secretary to VC, VTU, Belagavi.
- 3) PS to Registrar, VTU, Belagavi.



Visvesvaraya Technological University,  
Belagavi, Karnataka, INDIA

**5 Day's  
Faculty Development Program on  
BUILDING CAD & 3D MODELLING**

In Association with  
Technology Partner



Department of Civil Engineering, VTU Belagavi	4 <sup>th</sup> to 8 <sup>th</sup> May 2026.
Eduphygital Medini COE, VTU RO, Kalaburagi	4 <sup>th</sup> to 8 <sup>th</sup> May 2026.
Eduphygital Medini COE, VTU RO, Mysuru	11 <sup>th</sup> to 15 <sup>th</sup> May 2026.
Civil Engineering Department, BMSIT & M, Yelahanka, Bengaluru	11 <sup>th</sup> to 15 <sup>th</sup> May 2026.

Registration link:

<https://forms.cloud.microsoft/r/6h1aMLh8ty>





## CHIEF PATRON

**Dr. S. Vidyashankar**

Hon'ble Vice Chancellor, VTU, Belagavi

## PATRONS

**Dr. Prasad Rampure.** Registrar, VTU, Belagavi

**Dr. U J Ujwal.** Registrar Evaluation, VTU, Belagavi

**Dr. Prashantha Nayaka G.** Finance Officer, VTU. Belagavi

**Dr. Sanjay H A.** Dean Academics- VTU, Belagavi  
Principal, BMSIT & M, Bengaluru

**Dr. Rajakumara HN.** Chairperson, BOS – Civil Engineering (UG & PG) &  
Mining Engineering (UG), VTU

**Dr. Santosh M Nejakar.** Director IQAC, VTU Belagavi

**Dr. NAGRAJ S. PATIL.** Chairman & Associate Professor, Dept. of Civil Engineering, VTU,  
Belagavi

**Er. Pradeep Kallur.** Founder, MD,  
Medini Technologies |Autodesk Learning Partner. Bengaluru

## ADVISORY COMMITTEE

**Mr. Arun Kumar Radhakrishnan,** Senior Engagement Education Manager - Autodesk

**Dr. Govardhan Bhat-**Associate Professor, NIT Raipur

**Dr. Anush K Chandrappa,** Associate Professor, IIT, Bhuvaneshwar

**Er. Vijay Kote,** BIM Specialist, AECOM-UAE

## ORGANISING COMMITTEE

**Dr. H.M. Nanjundaswamy,** Regional Director, VTU Mysuru

**Dr. Shubhangi D C.,** Regional Director, VTU Kalaburagi

**Dr. Keerti Gowda,** Member BOS – Civil Engineering, VTU, RO Mysuru

**Prof. Brij Bhushan,** Assistant Professor, VTU Kalaburagi, VTU, RO Kalaburagi

**Dr. G Aruna,** Associate Professor & HOD, BMSIT&M, Bengaluru

**Dr. Lalit Kumar Gupta,** Assistant Professor, BMSIT & M, Bengaluru

## Team Medini Technologies

## COORDINATOR

**Dr. Nagraj Patil, VTU Belagavi | Ph: 9964648328**

**Prof. Shobha R, BMSIT&M | Ph: 9901333533**

**Prof. Brij Bhushan, VTU Kalaburagi | Ph: 9620002525**

**Dr. Keerti Gowda, VTU Mysuru | Ph: 9964024281**

**Rashmi Jadhav, Medini Technologies | Ph: 8971721005**

# A Faculty Development Program on Building CAD & 3D Modelling.

## OBJECTIVE:

Learn the foundational concepts and applications of tools used in Building CAD & 3D Modelling. Understand how BIM is connecting and creating lot of opportunities in industries. Understand how to connect 2D to 3D modelling. From Scratch to 3D modelling. Begin your journey by gaining an understanding of the core concepts of 2D to 3D Modelling.

Learn firsthand how to turn flat 2D drawings into dynamic 3D models using Revit, allowing you to better visualize designs and coordinate across disciplines. Also understand how to get access to the softwares.

## CONTENT TO BE COVERED:

### 01. Installation Guide & 2D Building Plan (Day 1)

Download the software and resources you need. How to give access to the Lab systems. Discover building information modeling (BIM) and its transformative impact on architecture, engineering, construction, and operations of built assets. How to start in AutoCAD as per industry standards. And start with AutoCAD basics. Learn how BIM redefines the design process by transitioning from 2D drafting to 3D modelling with intelligent objects.

### 02. Modeling using advanced tools in AutoCAD (Day 2)

Residential plan: Detailed plan with rooms, doors/windows (standard sizes: doors 900x2100mm, windows 1200x1200mm), furniture blocks, dimensions 1:100 scale.

### 03. Introduction & Hands on 3D Modeling (Day 3)

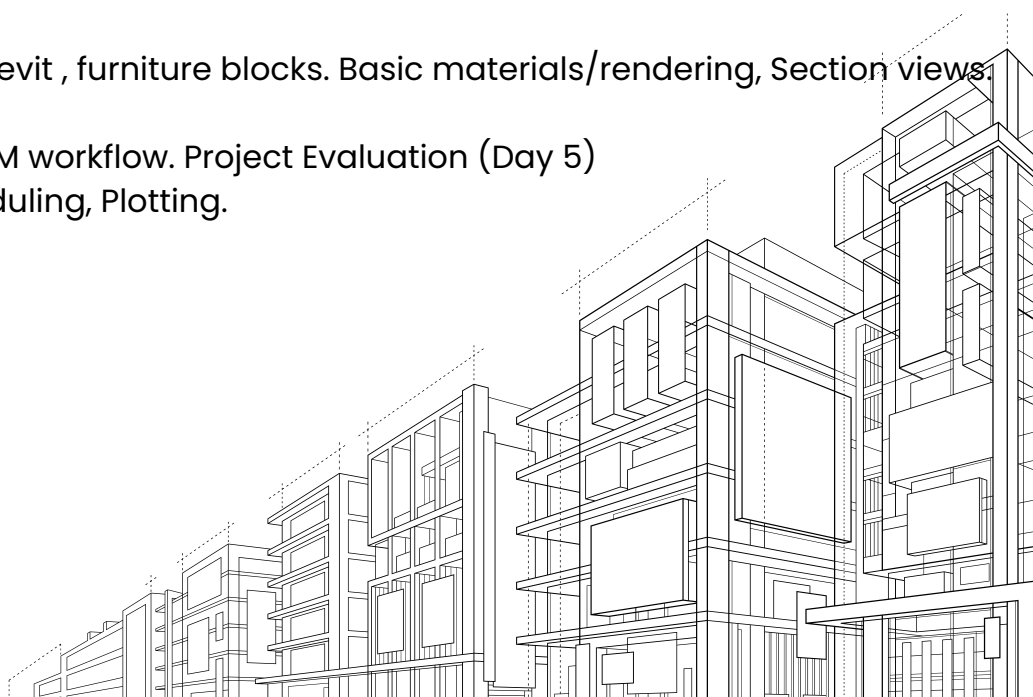
Hands on 3D modeling topics in the curriculum using Revit Understanding UI, Levels, plan with rooms, doors/windows.

### 04. (Day 4)

Detailed Modeling using Revit , furniture blocks. Basic materials/rendering, Section views.

### 05. Documentation in a BIM workflow. Project Evaluation (Day 5)

Data management, Scheduling, Plotting.



## **PROGRAM DETAILS:**

Mode of Training: Offline & Online

Target Audience: Faculties of Civil Engineering and its associated branches

Attendance is Compulsory

No Registration Fees.

## **ELIGIBILITY:**

The faculty members, Research scholars & PG Scholars of the AICTE approved institutions.

## **CERTIFICATION:**

Faculties will get certificate from Autodesk for attending FDP

## **CONCLUSION:**

This Faculty Development Program will empower participants to gain Up-to-date knowledge to deliver the classes with updated curriculum. It helps in gaining confidence to teach software-integrated design. It also helps in guiding students on academic and industry-relevant projects and bridge the gap between academics and industry.

## **After completing this course, you'll be able to:**

1. Describe CAD interface, units, layers, snaps, and aids for building drafting.
2. Create detailed 2D plans, elevations, sections of institutional buildings using layers, hatches, dimensions.
3. Develop 3D models of buildings, generate multi-views, and apply basic rendering.
4. Organize complex drawings with blocks, XREFs, layouts for collaboration and standards

For any queries, please feel free to contact us:

**Email: [connect@medini.in](mailto:connect@medini.in) | Ph: +91 9686765949**

