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REVA University

Organising Team

Prof. Jayachandra
Assistant Professor, SoCE, REVA University

Prof. Harish Sagar
Assistant Professor, SoCE, REVA University

Prof. Lovely Sabat
Assistant Professor, SoCE, REVA University

Resource Person

Mr. Anil Ghaste
Team Head-Autodesk Certified Trainer
and Technical Director, ISCT (Global Info. Tech)

Learning Partner



Deliverables

- Participants will receive Autodesk-certified course completion certificates, acknowledging their successful participation in the training program.
- They will be granted access to Autodesk's academic tools, enabling hands-on experience with licensed software throughout the duration of the FDP.
- Participants will complete BIM project that demonstrates their understanding of advanced BIM concepts.
- As a practical outcome, each participant will complete a guided mini project that demonstrates the application of BIM and Revit concepts covered during the sessions.

Schedule

- Day 1:**
Introduction to BIM & Revit Basics
- Day 2:**
BIM Fundamentals & Beginner Modeling
- Day 3:**
Intermediate Revit Modeling & BIM Workflows
- Day 4:**
Documentation, Visualization, & BIM Dimensions
- Day 5:**
Practical Integration & Future of BIM



REVA
UNIVERSITY
Bengaluru, India

Driven by AI

Five-day Faculty Development Program on

Digital Transformation in Civil Engineering: Building Information Modeling (BIM) with Autodesk Tools



Organised by

School of Civil Engineering

in association with AUTODESK &
ISCT Group

Date: August 04 to 08, 2025

Venue: CAD Lab 2nd Floor, Sir M V Block

Rukmini Educational
Charitable Trust

www.reva.edu.in

About REVA University

REVA University is a State Private University established in Karnataka State under the Government of Karnataka Act No. 13 in the year 2012 in Bengaluru, the IT capital of India. REVA University, recognised by the University Grants Commission (UGC) and approved by the All India Council for Technical Education (AICTE), has an A+ grade from NAAC.

REVA University prides itself in contributing to every student's holistic development. The University currently offers 38 full-time undergraduate programmes, 31 full-time postgraduate programmes, 20 PhD programmes, and certification and diploma programmes. The University offers programmes in Engineering, Architecture, Science and Technology, Commerce, Management Studies, Law, Arts & Humanities, and Performing Arts. Courses are offered in Certificate/Diploma and Post Graduate Diploma too. REVA University facilitates research leading to a Doctoral Degree in all disciplines. The programmes offered by REVA University are well-planned and designed based on methodical analysis and research with emphasis on knowledge assimilation, practical applications, hands-on training, global and industrial relevance, and their social significance.

Teachers and instructors with illustrious academic experience are the architects of the meticulously designed curriculum and program modules offered at REVA University. They come with industrial exposure and experience that often translates through their teaching, thus bridging the gap between the industry and academia.

About The School of Civil Engineering

The School of Civil Engineering is led by a highly experienced professor and is supported by well qualified faculty members. The school has state-of-the-art classrooms and well-equipped laboratories. It offers B.Tech in Civil Engineering and M.Tech programs in Computer Aided Structural Engineering, Transportation Engineering & Management and Construction Technology & Management. The school also has

research program leading to doctoral degree. The curriculum of both graduate and postgraduate degree programs has been designed to bridge the gap between industry – academia and hence they are industry application oriented. The REVA University offers Civil Engineering Programme to produce quality engineers who are effective and efficient in problem solving and providing economical and sustainable infrastructural solutions.

About ISCT Global InfoTech & AUTODESK

ISCT Global InfoTech, in collaboration with Autodesk, offers state-of-the-art design and engineering software solutions for architecture, construction, manufacturing, and media. By leveraging Autodesk tools, they enhance design precision and productivity. Through expert support and training, they empower professionals to streamline workflows and achieve excellence across diverse industry sectors.

About FDP

This 5-day Faculty Development Program focuses on Building Information Modeling (BIM) using Autodesk Revit. Designed for faculty in Civil Engineering and allied disciplines, it introduces integrated BIM workflows across the project lifecycle.

The program covers BIM standards, Levels of Development (LOD 100–300), and multidimensional BIM (3D to 6D). Hands-on sessions emphasize Revit-based architectural and structural modeling techniques. Participants will engage with advanced tools for documentation, detailing, visualization, and clash detection. Workflow integration for cost estimation (5D) and facility management (6D) is introduced.

A structured approach ensures transition from basic modeling to collaborative project environments. Real-time exercises and a mini project enhance practical understanding of BIM applications. Autodesk-certified instructors will guide participants through industry-relevant use cases. Successful participants will receive course completion certificates and access to Autodesk's academic suite.

Objectives

- To introduce participants to core BIM concepts, standards, and workflows through hands-on training.
- To provide foundational knowledge and practical skills in using Autodesk Revit for design and modeling.
- To familiarize participants with BIM Levels, Level of Development (LOD), and BIM Dimensions (3D to 6D).
- To apply BIM tools in real-world scenarios including construction, structural design, documentation, and estimation.

Learning Outcomes

- Understand BIM concepts, standards, Levels of Development (LOD), and BIM dimensions (3D to 6D).
- Develop hands-on proficiency in Autodesk Revit for architectural and structural modeling.
- Learn to create construction documentation, renderings, and perform quantity estimations using BIM tools.
- Apply integrated BIM workflows in design, construction, and facility management processes.

Registration



No Registration Fee

