

BIM and Revit Professional Course

A passport to global opportunities and transformative collaboration
-BSI Group, UK



WHAT IS BIM?

Building Information Modelling is an advanced technology that assists architects, engineers, and construction professions in planning, designing, constructing, and managing the development and building of infrastructure.

The main elements of BIM are

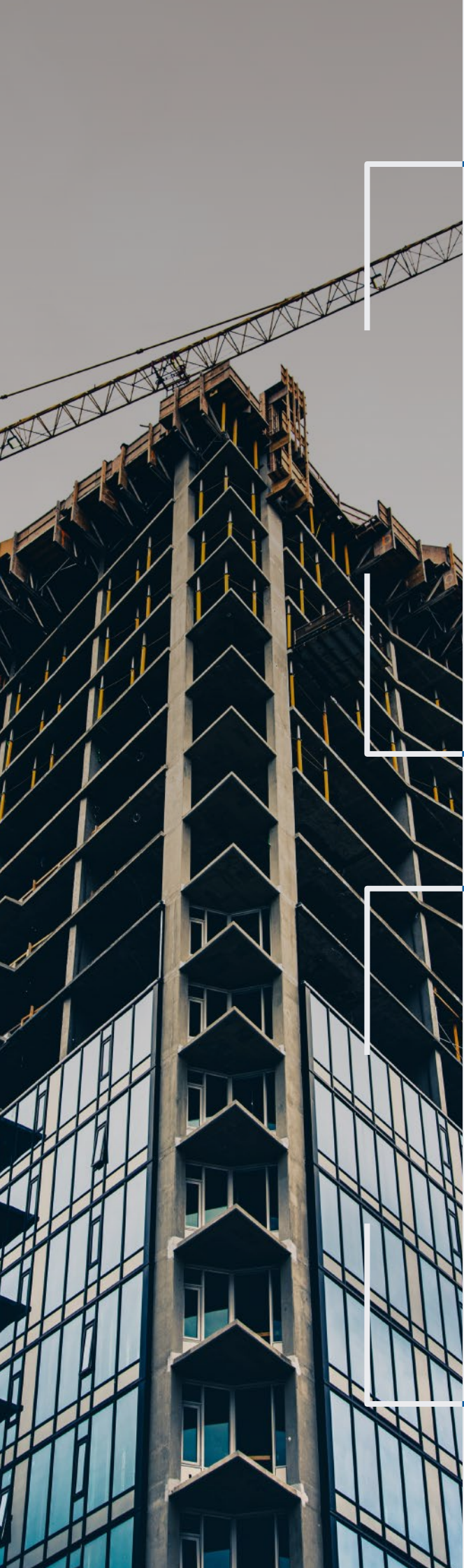
- Information
- Technology
- People
- Processes
- Policies.



COUNTRIES WITH BIM MANDATES

WHY IS BIM IMPORTANT?

It helps coordinate, plan, design and construct with data that is precise and accurate. It helps project costs, feasibility, and schedules. BIM not only allows design and construction teams to work more efficiently, but it allows them to capture the data they create during the process to benefit operations and maintenance activities. This is why BIM mandates are increasing across the globe.

A tall building under construction, showing the concrete frame and scaffolding. A large crane is visible at the top. The building has a modern design with a central vertical core and multiple wings.

WHAT IS THE PROCESS OF BIM?

- Plan
- Design
- Build
- Operate

WHO BENEFITS?

- Project Owners and developers
- Architects and engineers
- Contractors and Manufactures
- Owners- Wealth Management

OBJECTIVES

AFTER COMPLETING THIS GUIDE, YOU WILL BE ABLE TO:

- Demonstrate an understanding of BIM data
- Federate model information from various sources
- Coordinating and collaborate between projects and different disciplines.
- Work with Families (Parametric and Non-parametric) in Revit
- Work with Revit Materials for Revit Projects and Families
- Produce visuals using Revit Rendering tool with Autodesk 360 Cloud Rendering solution
- Brief understanding of Dynamo Plugin
- Clash Detection in Naviswork for Optimized Output and productivity.

WHY

SHOULD STUDENTS LEARN?

- BIM- a process, used in all AEC fields
- Current Trends
- Become familiar with process and softwares
- Career Opportunity and growth

WHO

THIS COURSE IS FOR?

- Beginner Revit users looking to transition from either 2D or alternative 3D software
- Advanced users looking to increase their skills in modeling and managing Revit models





WEEK: 1 AND 2

REVIT MODELING AND COLLABORATION

- Introduction to BIM and Autodesk Revit
- Basic Drawing and Modify Tools
- Setting Up Levels and Grids- Datum
- Import and Export
- Modeling Walls, Doors and Windows
- Working with Curtain Walls
- Working with Components
- Modeling Floors
- Modeling Ceilings
- Modeling Roofs
- Modeling Stairs, Railings, and Ramps
- Site context and Toposurface
- Annotating Construction Documents
- Tagging elements
- Scheduling and Material Takeoff
- Creating Details- 2D
- Creating Construction Documents- Sheets
- Creating Advanced Components- Families
- Coordinating Project- Linked Projects
- Revit Architecture Worksharing and Collaboration

WEEK 3

BASICS OF STRUCTURE & MEP WORKS

- Modelling structural Elements
- Modelling of Mechanical Systems
- Modelling of Plumbing Systems
- Modelling of Electrical Systems

WEEK 4

CLASH DETECTION & SCRIPTING

NAVISWORK

- Introduction to Naviswork
- UI Tour for Naviswork
- Exploring the model
- Reviewing, Redlining, Viewpoints, Sectioning
- Clash Detection

DYNAMO

- Introduction to Dynamo
- Interface and Anatomy
- Code Blocks and Design Scripts
Dynamo for Revit

OUR TEAM



Ar. Shweta Anil Nalawade
BIM Architect

Shweta Anil Nalawade is a registered architect with COA. She holds a B.Arch Degree from Mumbai University and Building Modeling Information- Project Management Certification from RICS, UK. She is a Mumbai based architect and Associate of the firm 'Quartet Designs (NaviMumbai ;Sindhudurg)'. She is a certified Revit Architect (BIM) and practicing since 2018. She has 3 years teaching experience in BIM softwares to students and professionals of AEC background.



Ar. Tarun Kumar
Technical Mentor

Tarun Kumar holds a B.Arch Degree from National Institute of Technology, Hamirpur. Apart from being an architect by profession, Tarun is also a designer for a multinational company-Asian paints. He has more than 3 years of professional experience. In addition, he worked for a real estate company (TDI based in Mohali, Punjab) in the past as an architect and planner. He works as technical mentor in the team since 2020; he has guided more than 1000 students to boost their career.



Ar. Shivani Jaywant Jadhav
Architect

Shivani Jadhav is an architect and also a software enthusiast. She has been working with firms like Mokshrey Design Studio, Noida and Work of Walls, Pune. She believes "Architecture is a profession where we don't work against each other but with each other. She believes architecture is a gift for people to enhance their lives and cities to create identity. The experience of practical training will surely help in the journey towards the architecture world."

COURSE BENIFITS

Career Guidance
Portfolio creation
lifetime recording
24 hours assistance
Number of Modules – 4
Autodesk certification training
Methodology – LIVE Virtual Classes
Course Duration – 1.5 Months– 45 Hrs
Certificate on submission of live project

HOW TO JOIN PROGRAM

Reach us at +916356052740

STEPS FOR THE REGISTRATION

www.pinnacleiit.com from this website create an account from login page.

After that login in the account using the username and password set during registration.

Buy a course (preferable mode – UPI 100% success transaction rate, although you can use credit/ debit card or net banking).

You will get an invoice and confirmation email. Join the WhatsApp group provided in confirmation email. Further details will be provided in WhatsApp group

The Google logo is displayed in its standard multi-colored font (blue, red, yellow, blue, green, red) against a background of a tall, modern glass skyscraper.

4.9 (194 Reviews)



+91 6356 052 740

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