



2024

COMPLETE BIM ENGINEER



#Welcome_to_world_of_opportunities



COURSE HIGHLIGHTS

- ✓ REVIT Arch + Strct + MEP : Beginner to advanced level
- ✓ Faculties from largest MNCs across India
- ✓ Syllabus designed by BIM Industry veterans
- ✓ Go 100% doubt free with trainer's personal attention
- ✓ Tool Tests for complete "REAL TIME" interview simulation
- ✓ One - to - one Mock-Interviews & Feedbacks by BIM Industry Professionals
- ✓ Blog writing for best shot at rewarding career
- ✓ Mentorship sessions from BIM Coordinators
- ✓ A/V profile portfolio & resume for best placement opportunity
- ✓ **A 100% Dedicated placement support**

COURSE SYLLABUS



MODULE FIRST



Autocad for BIM



- Introduction to AUTOCAD
- Importing 2D plans in REVIT
- Creating 3D Model using 2D cad plant

- Exporting 2D sheets in AUTOCAD
- Linking CAD file in REVIT
- Controlling 2D CAD plan using Visibility Graphics

**SECOND
MODULE**

MODULE SECOND



5 weeks

Complete Revit Architecture with QS



- Introduction to REVIT
- Creating levels, grids
- Introduction to properties & project browser

- Creating openings & complex shapes using MODEL IN PLACE

- Estimation of Architectural Members
- Rendering & Walk-through

- Creating Architectural 3D-Model using Build, Circulation & Model
- Creating rooms, areas & assigning furniture & architectural components

- Creating toposurface using massing and site.
- Introduction to Visibility Graphics

THIRD
MODULE

MODULE THIRD



8/9 weeks

Modelling of RCC Elements with BBS



- Modelling of structural elements
 1. Footing
 2. Column
 3. Beam
 4. Slab
- Manual BBS Calculations
- REVIT BBS Calculations
- Structural Reinforcement modelling & detailing of complex structures
- Rebar Modelling using BS 8666:2020
- Structural sheet creation
- Exporting models into IFC & NWD formats

**FOURTH
MODULE**



MODULE FOURTH



1 week

Post Modelling Works : Naviswork



- Linking IFC, NWD formats & performing clash detections.
- Sectioning & review tools
- Rendering & walk-through in NAVIS
- Generating Clash reports & clash resolution
- Use of annotation & Measurement tools

**REVIT
MEP**



MODULE FIFTH



REVIT MEP + FIRE FIGHTING



Revit MEP Basics :

- Exploring the User Interface,
- Ribbon Framework, Guidelines for Using the User Interface,
- About Building Elements, About Families,
- Basic Drawing Tools, Basic Modifying Tools

Viewing the Model :

- About Views, Creating Views,
- View Properties, View Templates,
- Object Visibility Settings,
- About Section Views, About Elevation Views,
- About 3D Views

Starting a New Project :

- About Projects, Project Settings, Project Templates
- About Revit File Types,
- Creating Project Templates,
- Linking Revit Models, Linking Revit Architecture Projects,
- About Mechanical Settings,
- About Electrical Settings,
- Importing and Editing DWG Details



MODULE SIXTH

REVIT MEP + FIRE FIGHTING



HVAC Systems :

- Creating an HVAC System,
- Adding Mechanical Equipment and Air Terminals, Creating and Modifying
- Ductwork,
- Ducts and Duct Fittings, Duct Accessories etc.

Piping Systems :

- Creating Hydronic Piping,
- Pipes and Pipe Fittings,
- Pipe Accessories

Plumbing Systems :

- Creating Plumbing Systems,
- Adding Plumbing Fixtures,
- Adding Plumbing Equipment,
- Plumbing Pipes and Pipe Fittings,
- Assigning slope to the Drainage Pipes



MODULE SIXTH

REVIT MEP + FIRE FIGHTING



Fire Protection Systems :

- Creating Fire Protection Systems,
- Adding Sprinklers, Pipe and Pipe Fittings

Electrical Systems :

- Adding Light Fixtures, Adding Devices,
- Modelling Cable Tray,
- Adding Cables and Electrical Equipment

Families :

- Introduction to Families,
- Basic Family Creation tools,
- Creation of families,
- Duct Pipe and Electrical connectors,
- Editing of Existing Families
- Detailing and Drafting:
- Creating Callout Views,
- Working with Detail Views,
- Working with Drafting Views



MODULE SIXTH

REVIT MEP + FIRE FIGHTING



Annotations and Schedules:

- Adding Tags, Adding Dimensions,
- Symbols, and Text Creating Legends,
- Working with Schedules

Collaboration:

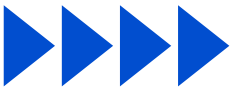
- Running an Interference Check,
- Multiple Disciplines and Linked Files,
- Interference report

Work sets and Work sharing:

- Concepts of Revit Work sharing,
- Creating the Central File, Creating Work sets,
- Understanding How Central and Local Files communicate, Closing a Work shared Project
- Understanding Editing Requests, Detaching a File from Central

Printing and Publishing :

- Introduction to Printing,
- Managing Print Settings,
- • Printing to PDF, Printing to DWF

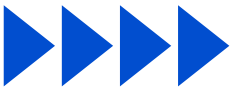


MOCK INTERVIEWS

Mock-Interviews and TOOL TESTS to ensure
your smooth interview experience



*"With our Mock-Interview Panel, from the **largest structural firms in the Civil Engineering Industry**, you are rest assured to crack real life job-interviews with confidence and right attitude"*



AV RESUME BUILDING

We build **video resume** for **each candidate** to accelerates the job search process.



" In our exclusive course, we incorporate this crucial element to empower candidates with the skills to create impactful video resumes, enhancing their chances of securing jobs more quickly."



MOCK INTERVIEWS

MEET OUR MOCK INTERVIEW PANEL



Er. Jaydeep Gade [KASHEC]

"Mr. Jaydeep, the BIM maestro, effortlessly transforms dreams into detailed digital realities with his awe-inspiring expertise."

Er. Dipti Dhuri [AECOM]

"Ms. Dipti, the brilliant BIM specialist, orchestrates a symphony of efficiency and precision, raising the bar for excellence in every project she touches."



Er. Vaibhav Mahajan [SANVEO]

"Mr. Vaibhav is a distinguished BIM MEP expert. His expertise allow him to offer constructive feedback, enabling candidates to identify their strengths and areas for improvement, fostering growth."







WHY JOIN TUXDA?

Director's Message

- *Embark on an exciting journey towards becoming a skilled BIM Engineer! Join my BIM course, where your growth is my top priority. With a genuine interest in nurturing your talents, I am committed to providing you with comprehensive knowledge and practical skills. The course covers the full syllabus in just 3.5 months, ensuring an efficient learning experience.*
- ***Here's the best part :*** *The fees for this invaluable opportunity are extremely affordable, making it accessible for all aspiring BIM professionals. Don't miss out on this chance to enhance your career prospects and unlock endless possibilities in the world of Building Information Modeling.*

Enroll today and let's shape your future together!  

Regards,
Hitesh Chaudhari
Founder @TuxDa

**STILL
IN DOUBT?**

Let's Talk

CLICK HERE

