

Revit

Training Program

Who can do?

- Matriculation people who like to learn REVIT Software.
- Working people in mechanical, civil, electrical, architects, Interior designing who are willing to learn new methodologies of REVIT 2D and 3D.
- Who want to get good and reputable jobs in the market and are like to enhance their skills in REVIT Software.

**100,000+ Students
have been Trained**

since
1997

**Program is
offered by**

**3D EDUCATORS
INT**
22 Years of
Excellence in
Training &
Development

**Invest in
People the
only Asset
that Appreciates**



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Course Outline

This Course is comprehensively designed for engineers, who are concerned with the civil, architect, mechanical. The course will cover the detail interactive trainings on computers. Where at 3dEducators have the state of art labs with well-equipped latest and updated computers.

- Complete tools of REVIT
- Designing on 2D and 3D
- 3D Modeling and Techniques
- Parametric Modeling
- Collaborate in Real Time
- Stay Coordinated
- Interactive Visualization
- Steel Detailing
- Working with Files and Objects
- Transforming Objects
- Overview Lab

Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators.

Program Structure

No of classes per week	01 Class
Duration of each class	02 – Hour

Other Learning Activities

Classroom Assignments	02
Presentations by Trainees	01
Total Labs	16
Final Project	01

Revit 2D

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Revit Architecture Course Content

1. Introduction to Revit Architecture

1. Overview of BIM and Revit
2. Understanding the Revit interface
3. Navigating views and projects
4. Customizing the workspace

2. Basic Drawing and Editing Tools

1. Creating walls, floors, ceilings, and roofs
2. Adding doors, windows, and components
3. Using basic editing tools (move, copy, rotate, mirror, etc.)
4. Working with levels and grids

3. Building Design and Modeling

1. Creating and modifying building elements:
 1. Walls (basic, stacked, curtain walls)
 2. Floors and ceilings
 3. Roofs (flat, sloped, and complex shapes)
 4. Stairs, ramps, and railings
2. Adding structural elements (columns, beams, and foundations)

4. Views and Visibility

1. Creating and managing views (floor plans, elevations, sections, 3D views)
2. Adjusting view properties and visibility settings
3. Using view templates
4. Working with camera views and walkthroughs

5. Annotations and Documentation

1. Adding dimensions, text, and tags
2. Creating and managing schedules (door, window, room, etc.)
3. Using detail components and drafting views
4. Adding legends and keynotes

6. Families and Components

1. Understanding Revit families (system, component, and in-place families)
2. Loading and placing family components
3. Creating and modifying custom families
4. Using parametric families

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8. Collaboration and Worksharing

1. Understanding worksharing and worksets
2. Setting up a central model and local files
3. Collaborating with team members
4. Managing revisions and changes

9. Construction Documentation

1. Creating sheets and adding views
2. Annotating and detailing construction documents
3. Generating schedules and quantity takeoffs
4. Preparing and printing sheets

10. Advanced Topics

1. Using design options and phasing
2. Performing energy analysis and sustainability studies
3. Integrating Revit with other software (e.g., AutoCAD, Navisworks, etc.)
4. Automating tasks with Dynamo (visual programming)

11. Project-Based Learning

1. Applying skills to real-world architectural projects
2. Creating a complete building model from start to finish
3. Generating construction documents and presentations

Key Features of Revit Architecture

- **BIM Workflow:** Revit emphasizes a BIM workflow, allowing users to create intelligent 3D models that contain both geometric and non-geometric data.
- **Parametric Modeling:** Changes made to the model are automatically updated across all views, ensuring consistency.
- **Collaboration:** Revit supports multi-disciplinary collaboration, enabling architects, engineers, and contractors to work on the same model.
- **Visualization:** High-quality renderings, walkthroughs, and animations help stakeholders visualize the design.

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ONLINE LIVE CLASSES FACILITY AVAILABLE

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to info@3deducators.com with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it info@3deducators.com. Then further correspondence shall be made by our institute official.

DISTANCE NOT MATTER

You can join in the live classes Sessions of 3D EDUCATORS – TRAINERS & CONSULTANTS from anywhere of the world.

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PRECAUTIONARY MEASURES

- During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- If you have taken the admission in the course online lonely, then ethically it is recommended and suggested that you alone in the class.
- Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

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Get the Admission Form

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