



Autodesk Revit (2–3 Months)

- Module 1: Revit Interface & Project Setup
 - Understanding BIM vs CAD
 - Revit interface and navigation
 - Setting up Levels, Grids, Units
- Module 2: Architectural Modeling
 - Walls, Doors, Windows, Floors, Roofs, Ceilings
 - Stairs and Railings
 - Rooms and Room Tags
- Module 3: Components & Families
 - Loadable vs System Families
 - In-place family creation
 - Editing and customizing families
- Module 4: Views & Detailing
 - Creating Section, Elevation, and 3D Views
 - Drafting Views, Callouts, Annotations
 - Detailing tools and symbols
- Module 5: Scheduling & Quantification

- Creating schedules: Doors, Windows, Rooms, Quantities
- Using filters and formatting in schedules
- Material takeoffs

- **Module 6: Sheets & Presentations**
- Sheet creation, Title Blocks
- Placing and managing views on sheets
- Printing to PDF, Rendering tools, Walkthroughs

- **Module 7: BIM Collaboration Workflow**
- Worksharing with central model
- Linking Revit/AutoCAD files
- Shared coordinates, Interference checking
- Revit to Navisworks overview

- **Module 8: Capstone Project**
- Design and document a small residential/commercial building
- Generate plans, sections, elevations, and schedules
- Final presentation with sheets and walkthrough