
BIM EXCELLENCE PROGRAM

Participate in a comprehensive three-month program focusing on exploring Archicad and BIM extensively, enabling you to produce high-quality architecture ranging from LOD 0 to LOD 500. Our structured five-stage curriculum ensures a thorough understanding of each feature and establishes a solid foundation for your future endeavors.

Duration : 30 Hours

First Level: Foundations of BIM (LOD 0-100)

The Foundations of BIM course is tailored for beginners seeking a comprehensive introduction to the world of Building Information Modeling. From understanding core concepts to hands-on exploration of essential tools, this course provides a solid base for your BIM journey. Dive into LOD 0 to 100, covering project initiation, basic modeling, and collaborative practices. This course sets the stage for a successful BIM career.

Stage 1 (8 Hours): Schematic drawings (LOD 0)

- Complete Project setup (Units, Dimensions, Levels, Locations).
- Making Architectural Building Elements for each floors (Wall, Slab, Doors, Windows, Objects, Stairs, Railings, Curtain walls).
- Creating a Master Layout and floor plan layouts in Archicad (title block and autotext).
- Creating schedule of zones and Conceptual sketches including circulation plan.
- 2D drawings floor plans elevations sections including levels.

Stage 2 (11 Hours): Detailed BIM Model (LOD 100)

- Create attributes to the projects (Layers, Surface, Building Materials, Composites, Custom Profiles).
- Applying Attributes and properties to the model.
- Creating layer combinations and Electrical drawings, Plumbing Models, HVAC modelling if necessary.
- Adding the views to new set of layouts, Making views (Different Types of Plans, Sections, Elevations and 3Ds).
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- 3D Visualization and Specifications & Calculations

Second level: Intermediate BIM Mastery (LOD 200-300)

The Intermediate BIM Mastery course is designed for individuals ready to navigate the complexities of Building Information Modeling. Dive into advanced tools, detailed modeling techniques (LOD 200-300), and project collaboration strategies. This course is ideal for those seeking to enhance their skills and tackle more complex BIM projects through hands-on, project-based learning.

Stage 3 (6 Hours): Construction drawings (LOD 200)

- Dimension all the necessary drawings.
- Add all the required Annotations such as Labeling, Dimensions, Texts to each of the drawing sets and update the layouts.
- Detailed Working Drawing (Structural, MEP) issued to site
- Conceptual sketches including circulation plan.
- Energy Simulation and Clash Detection

Stage 4 (6 Hours): Interoperability (LOD 300)

- Structural IFC exports and MEP IFC Exports.
- Rendering DAE/SKP/FBX file exports.
- BIMx file exports for different stakeholders
- GFC PDFs for sites and approvals and Preparing Sharable PLN files
- Sharable PLA files and Issue manager Constructability

Third Level: BIM Specialization (LOD 400 - 500)

The Advanced BIM Specialization course is crafted for experienced professionals ready to master the intricacies of high-level BIM applications. Delve into intricate modeling, advanced coordination, project management (LOD 400 - 500), and real-world case studies. The course concludes with a capstone project, allowing you to showcase your expertise in complex BIM scenarios.

Stage 4 (3 Hours): Presentation (Twin model, Maintenance model) (LOD 400 - 500)

- BIMx Model Presentation.
- Walkthrough presentation.
- Teamwork file sets.