

Architecture Design

A comprehensive two-year program covering architectural drafting, BIM modeling, 3D visualization, photorealistic rendering, and professional presentation workflows using industry-standard software including AutoCAD, SketchUp, Revit, 3ds Max, V-Ray, Lumion, and Adobe Photoshop.

Duration 2 Years	Training Mode Offline Classroom Training	Certification Industry Certificate	Practical Labs 100% Hands-on
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Tools & Tech: AutoCAD • SketchUp Pro • Adobe Photoshop • Autodesk Revit • Autodesk 3ds Max • V-Ray • Lumion

Detailed Course Curriculum & Modules

MODULE 01 AutoCAD Architecture & Drafting • AutoCAD Interface, Workspace, Coordinate Systems & Navigation • Drawing Tools: Line, Polyline, Circle, Arc, Rectangle, Polygon, Hatch • Editing Tools: Move, Copy, Rotate, Mirror, Scale, Offset, Trim, Fillet • Precision Drawing with OSNAP, Polar Tracking & Dynamic Input • Annotation: Text, Dimensions, Leaders, Tables & Annotation Scaling • Blocks, Dynamic Blocks, External References (XREF) & Block Libraries • Layout, Paper Space, Viewports, Plot Styles & PDF Plotting • Architectural Drafting: Floor Plans, Elevations, Sections, Site Plans & Working Drawings	MODULE 02 SketchUp Pro • Interface, Navigation, Templates & Drawing Units • Modeling Tools: Line, Rectangle, Push/Pull, Follow Me, Offset, Scale & Rotate • Components, Groups, Dynamic Components & Component Libraries • Advanced Modeling: Terrain, Roof Design, Staircases, Landscape & Furniture • Materials: Texture Mapping, UV Positioning & Custom Materials • Scenes, Camera Views, Walkthrough, Section Planes & Animation • Extensions, Essential Plugins & Productivity Tools • Layout Integration, Dimensioning & Presentation Sheets
MODULE 03 Adobe Photoshop for Architecture • Interface, Workspaces, File Management & Layer Management • Selection Tools: Marquee, Lasso, Quick Selection, Pen Tool • Image Editing: Crop, Transform, Content Aware Fill & Healing Tools • Layer Styles, Smart Objects, Adjustment Layers & Masks • Architectural Presentation: Site Plan Coloring, Floor Plan & Elevation Rendering • Rendering Enhancement: Sky Replacement, Lighting Effects, Shadows & Vegetation • Post Production: Color Correction, Camera Raw, Filters & Blending Modes • Portfolio Design: Presentation Boards, Architectural Sheets & Competition Boards	MODULE 04 Autodesk 3ds Max + V-Ray • 3ds Max Interface, Navigation, Object Creation & Editable Poly Modeling • Architectural & Furniture Modeling, Interior & Exterior Assets • Materials: Physical Materials, UV Mapping & Texture Mapping • Lighting: Standard Lights, V-Ray Lights, HDRI & Interior/Exterior Lighting • V-Ray Rendering: Camera, GI, Sampling, Render Elements & Noise Reduction • Advanced Visualization: Proxy Objects, Scatter Systems & Vegetation • Post Production: Render Passes, Photoshop Integration & Color Correction

Practical Projects & Industry Capstones

- Residential Villa Design
- Duplex House Design
- Multi-Storey Building
- Apartment Complex
- Commercial Building
- Office Interior Design
- Landscape Design
- Complete BIM Project
- Photorealistic Exterior Visualization
- Photorealistic Interior Visualization
- Architectural Walkthrough Animation
- Professional Architecture Portfolio

■ Industry Certification Authorized certificate verified globally via online portal.	■ 100% Placement Support Resume review, mock interviews, and recruiter connections.	■ Lab Access & Mentorship Dedicated workstation lab hours with expert guidance.
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