



**TRAINING DURATION:  
160 HOURS**

# SKILLS BUILDING TRAINING

Join our training program to upgrade your skills and accelerate your career growth with confidence and excellence.

Real-World Industry Experience

Professional Networking Ecosystem

Experiential Skill-Based Training

Personalized Career Roadmapping



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# Master Certificate in Architectural Design

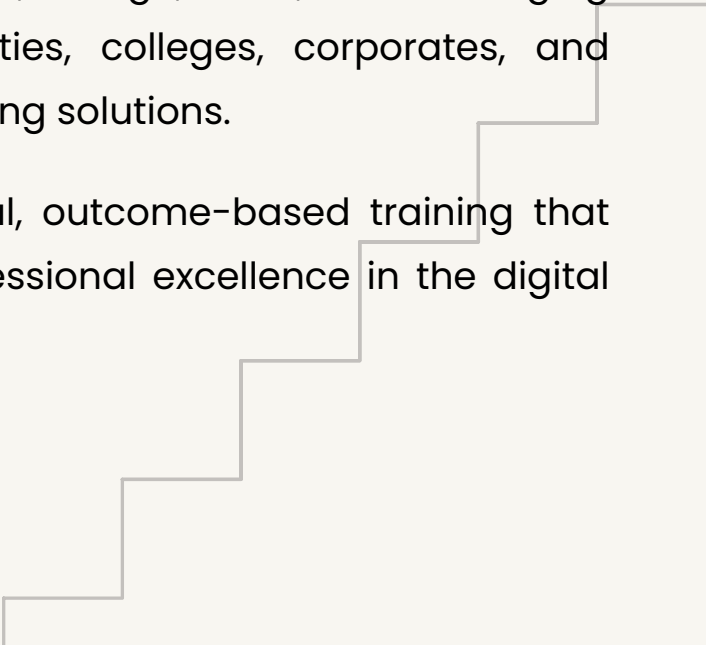
The Master Certificate in Architectural Design is a comprehensive, job-oriented program designed to train students and professionals in architectural drafting, 3D modeling, visualization, and realistic rendering. This program bridges the gap between architectural concepts and professional presentation by combining technical drafting standards with creative visualization tools.

Learners gain hands-on expertise in AutoCAD for architectural drawings, SketchUp for fast conceptual 3D modeling, and 3ds Max with V-Ray for photorealistic rendering and walkthroughs, enabling them to produce industry-standard deliverables used by architects, real estate developers, construction firms, and design studios.

## About Company

Certed Technologies is a leading EdTech and corporate training organization committed to delivering industry-relevant, future-ready skill development programs. With a strong portfolio across IT, design, data, and emerging technologies, we collaborate with universities, colleges, corporates, and training institutes to deliver job-oriented training solutions.

**Mission:** To empower learners with practical, outcome-based training that enhances employability, creativity, and professional excellence in the digital economy.



# Market Scope – Master in Architectural Design

## Industry Overview

The global architecture, construction, and real estate industries are increasingly driven by visual communication and digital design workflows. With rapid urbanization, smart city development, and growing demand for residential and commercial infrastructure, architectural design professionals skilled in drafting and visualization are in high demand.

### Market Trends

Growing reliance on 3D visualization and walkthroughs for client approvals  
Increased outsourcing of architectural drafting and rendering services  
Demand for cost-effective design visualization before construction  
Integration of design software into construction planning and marketing

### Industry Demand

**Architectural designers with strong software proficiency are required in:**

Architecture & interior design firms  
Real estate development companies  
Construction & infrastructure firms  
Urban planning consultancies  
Visualization & animation studios

## Career Opportunities

- Architectural Designer
- 3D Architectural Visualizer
- Interior & Exterior Visualization Artist
- 3D Walkthrough & Rendering Artist
- Freelance Architectural Designer

# Key Benefits of the Program

## ✓ **Industry-Aligned Curriculum**

Designed according to architectural drafting standards and professional visualization workflows.

## ✓ **Hands-On, Project-Based Learning**

Real-world residential, commercial, and landscape projects with complete 2D + 3D outputs.

## ✓ **Multi-Software Expertise**

Integrated training in AutoCAD, SketchUp, and 3ds Max with V-Ray.

## ✓ **Professional Portfolio Development**

Learners build a strong design portfolio showcasing drawings, models, renders, and walkthroughs.

## ✓ **Flexible Learning Modes**

Available in classroom, online, and hybrid formats.

## ✓ **Career & Freelancing Ready Skills**

Skills applicable for employment, freelance projects, and architectural outsourcing work.



# Course Structure

**Duration: 10 Hours**

## Module 1: Architectural Design Fundamentals

### Topics:

- Introduction to architectural design workflow
- Understanding drawings, scales, and architectural symbols
- Basics of building types: residential, commercial, mixed-use
- Reading architectural drawings and site plans
- Introduction to design standards and codes

## Module 2: AutoCAD for Architectural Drafting

### Topics:

**Duration: 50 Hours**

### **Core Drafting Skills**

- AutoCAD interface, commands, layers, blocks, annotations
- Units, scales, dimensioning, and plotting standards

### **Architectural Drawings**

- Site layout and plot planning
- Floor plans (residential & commercial)
- Elevations and sectional drawings
- Door, window, and staircase detailing
- Furniture layout and space planning

### **Advanced Drafting**

- Xrefs and layout management
- Architectural templates and standards
- Print setup and professional sheet composition

### **Deliverables**

- Complete set of architectural 2D drawings
- Layout sheets ready for submission and execution

# Module 3: SketchUp for Conceptual 3D Modeling

Topics:

**Duration: 40 Hours**

## **3D Modeling Basics**

- SketchUp interface and navigation
- Precision modeling tools
- Groups, components, and layers

## **Architectural Modeling**

- 3D modeling from AutoCAD drawings
- Residential and commercial building models
- Doors, windows, stairs, and roof modeling
- Site modeling and landscaping

## **Visualization**

- Materials, textures, and shadows
- Scene creation and camera views
- Basic presentation exports

## **Deliverables**

- Conceptual 3D building models
- Interior and exterior views

## Module 4: 3ds Max for Architectural Visualization

Topics:

**Duration: 45 Hours**

### **3ds Max Fundamentals**

- Interface, navigation, and modeling tools
- Importing AutoCAD and SketchUp files
- Editable poly modeling for architecture

### **Materials & Lighting**

- V-Ray materials and textures
- Interior and exterior lighting techniques
- Daylight and artificial lighting setup

### **Photorealistic Rendering**

- Camera setup and composition
- Global illumination and render settings
- High-quality still renders

### **Walkthroughs & Animations**

- Camera animation paths
- Architectural walkthrough creation
- Rendering short animation sequences

### **Deliverables**

- High-resolution photorealistic renders
- Architectural walkthrough video

## Module 5: Capstone Projects & Portfolio Development

- Residential architectural project (2D + 3D + render)
- Commercial building visualization project
- Landscape or exterior visualization project
- Portfolio compilation and presentation techniques
- Client-ready design documentation

**Duration: 15 Hours**

## Outcomes of the Program

Create professional architectural drawings using AutoCAD

Develop accurate and visually appealing 3D models

Produce photorealistic renders and walkthroughs

Build a strong architectural design portfolio

Work confidently with architects, interior designers, and builders

Present architectural concepts clearly to clients and stakeholders

## Career Roles After Completion

Architectural Draftsman

Junior Architect  
(Design Support)

Architectural CAD  
Technician

3D Walkthrough &  
Rendering Artist

Interior & Exterior  
Designer

Freelance Industries

THANK YOU!



# Contact Us

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