



## **IFS Academy Certified Career Program in Architectural Design & Visualization**

**(with 100% Placement Assistance)**

**(Duration: 04 Months)**

### **Course Curriculum**

➤ **AutoCAD for Architects: 40 Hrs**

Getting started, Object Property & Layer Management, Drawing Geometry, Tools for Creating Key Geometry, Tools for Manipulating Geometry, Creating Drawing Sheets, Dimensioning and Annotating Drawings, Setting Up a Layout, File Management, Plotting & Printing, Architecture Application Exercises.

➤ **Building Information Modeling using Revit Architecture: 60 Hrs.**

Introduction to BIM and Autodesk Revit; Basic Drawing and Editing Tools; Setting Up Levels and Grids; Modeling Walls; Working with Doors and Windows; Working with Curtain Walls; Working with Views; Adding Components; Modeling Floors; Modeling Ceilings & Roofs; Modeling Stairs, Railings, and Ramps; Construction Documents; Creating Tags, Schedules and Details.

➤ **3D Modeling using SketchUp Pro: 60 Hrs.**

Quick Start, Core Concepts, Push Pull & Accuracy, Drawing Tools, Selection & Grouping, Components and Layers, Move Tool, Follow Me and Inference Locking, Importing and Editing Textures, Creating Different Items, Exporting Options, Photorealistic Rendering and LayOut Essentials.

➤ **3D Modeling, Animation & Rendering using  
AutoDesk 3DS Max: 60 Hrs**

Introduction to Autodesk 3ds Max, Autodesk 3ds Max Configuration, Assembling Project Files, Basic Modeling Techniques, Modeling From 2D Objects, Materials,

### ➤ **VRay for Architects: 40 Hrs**

Getting Ready to Render with V-Ray, Critical V-Ray Concepts, Key Lighting Tools, Global Illumination, Camera, The V-Ray Materials, Introduction to image sampling, The Physical Workflow, V-Ray's Effects Tools, Using Render Elements, V-Ray RT, Advanced Optical, Lighting and Environment Effects and V-Ray Hands on Examples

**Note:** VRay will be taught in conjunction with 3DS MAX.

### ➤ **Adobe Photoshop for Architects: 60 Hrs**

Introduction to Photoshop, Workspace, Web, screen and app design, Image and color basics, Layers, Selections, Image adjustments, Image repair, restoration and transformations, Drawing and painting, Text, Video and animation, Filters and effects, Saving and exporting, 3D and technical imaging, Color Management.

**Project: Architecture Stream:** Using Photoshop features like Trees, People, Lens Flare, Filters, Brushes, VRay Passes and City PSD. Other assignments includes exterior lighting setup, Render Elements Setup, Auto Color Correction Tools, Adjustment Layers, Glass Blending Modes, Adding Vegetation, Lighting Photo Filters, Placing People, Lens Distortion Effects, Fixing Water with VRay Passes, Faking Caustics, Adding Landscape to Background, Lens Flare and Final Polishing.

### ➤ **Soft Skills Training**

Résumé writing, Aptitude Test, Technical Test, Group Discussion Techniques, Interview techniques, Communication & Presentation Skills, Personality Development.

**Note:** For in depth contents of the above programs, please refer our individual Modular course curriculums.

IFS Academy, Pune

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