

22 YEARS
ANNIVERSARY
CELEBRATION

EduCADD

Leaders Through Quality Education



INTERIOR DESIGN & ARCHITECTURE



**COURSE
SUMMARY**



**INSTITUTE
FOR INTERIOR
DESIGN**

EduCADD, pioneers in skill-based learning for over two decades to promote career oriented courses in most in demand domains for aspiring professionals. Through its wide network of centers, we offer offline and mentored online training programs in IT, Interior Design, PPM, web technologies and for K12. The company, which was set up in 1999 to help the nascent CAD industry overcome its Skill resource challenges, today ranks among INDIA's leading training companies owing to its vast, yet comprehensive array of Skill development programs. With a footprint across 3 nations and with over 70+ centers, EduCADD offers skill development solutions to individuals, institutions and enterprises.

EduCADD's Interior Design & Architecture course aims to give you skills and self-confidence you need to pursue a satisfying career in this industry, whether it is working with a design firm or starting your own interior design business. Our blended program offers key domain topics and an exhaustive Computer Aided Design Modelling and Design tool. We'll help you develop your creativity and show you how to use colour, texture, fabric, style, furnishings, accessories and lighting in a way that reflects your own personal taste and that of your clients. You will also learn how to present your ideas to clients and tips on how to get started in your own business. By the end of the course, you will be qualified enough to create have produced your initial portfolio to show your prospective clients or employers.

Our program provides hands-on interior architecture and design classes guided by our experienced faculty. Our courses teach the skills needed to help you succeed in a number of careers, including project designer, visualization specialist, or Building Information Management (BIM) designer

GET STARTED TOWARDS A

CAREER YOU'LL LOVE



It is important to achieve a true understanding of client's need and expectations. Most of the time what a client they say they want and what they actually do want and expect can be different. Your challenge is to communicate and gain successful outcome for client. With our comprehensive mentored training we equip you with a tool box of domain and tool knowledge with marketable and project management skills.

Key Areas Of Learning

EduCADD

Leaders Through Quality Education

Domain skills

Design Elements

Building Materials

Space Planning

Color Theory

Furnishing Accessory

Elevations & Materials

Plans & Sections

HVAC & Security Systems

Landscaping & Vastu

80 Hrs

+

Software skills

AutoCAD

Sketch Up

PhotoShop

80 Hrs

+

Presentation skills

Gantt Chart

3D Printing

15 Hrs

Add-On Skills

V Ray

20 Hrs

3DS Max

40 Hrs

Revit

40 Hrs

Oracle Primavera

40 Hrs

Ms Project

40 Hrs

Professional in Interior Design

Professional in Interior Design

Volume - 1

- Introduction to interior Architecture & Design.
- Design Elements.
- Space.
- Elements of Design.
- Architectural Drawing.
- Orthographic & Isographic Projection.
- Sciography Shades & Shadow Objects.
- Introduction to Building Materials.
- Paints and Varnishes.
- Design Process.

Volume - 2

- Ceiling Space & Walls.
- Pipeline & Drainage System.
- Natural lighting & Artificial Lighting.
- Space Management & Fixtures.
- Air-conditioning & Ventilation.
- Protecting Against Fire / Termites.
- LANDSCAPE Design.
- Contract Formation & Estimation.
- Building Regulations / Sanctions.
- Basic Principles of Vastu.





AutoCAD for Interior Design

Autodesk AutoCAD is computer-aided design (CAD) software that architects, engineers, construction professionals, and designers rely on to produce 2D drawings and documentation to create floor plans, elevations, and furniture layouts.

AutoCAD

- Getting Started with AutoCAD
- Drawing Constructions
- Objects & Editing Tools
- Drawing Organization & Commands
- Unit Introduction
- Working with Objects & Layouts
- Annotating the Drawing
- Dimensioning & Hatching Objects
- Blocks & Tables





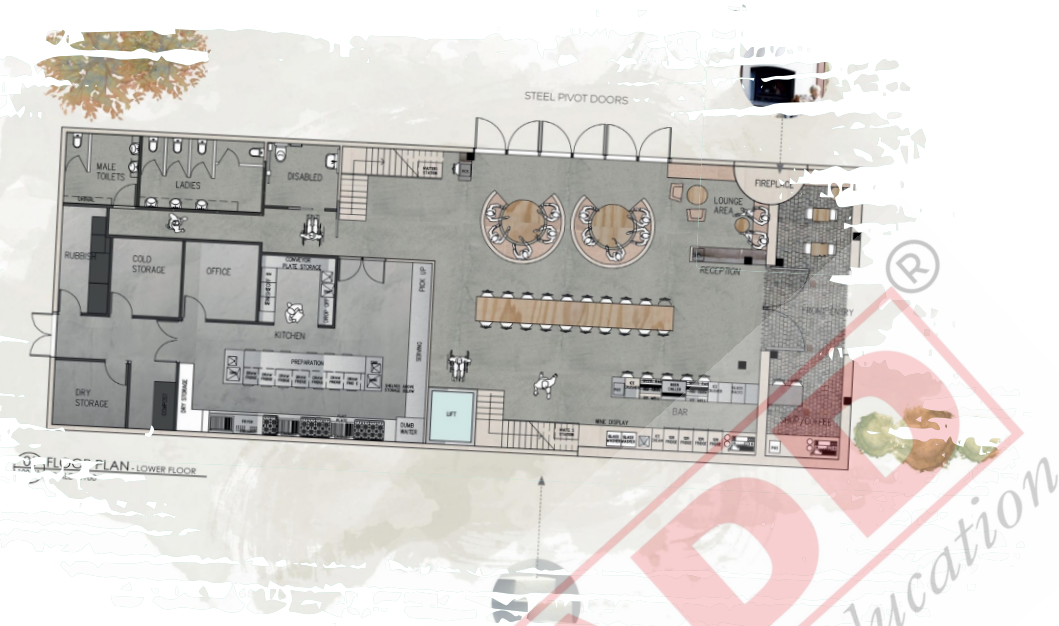
SketchUp for Interior Design

Trimble SketchUp (formerly Google SketchUp) is an all-purpose 3D modeling tool. Covers the basics of creating 3D models before showing how to create space plans, model furniture, cabinetry, and accessories, experiment with colors and materials, incorporate manufacturers' models into project plans, and create final presentations and animated walk-throughs

Sketchup

- Introduction to Sketchup
- Working with Tools
- Modelling Furniture
- The Pencil and free hand tools
- Groups
- Drafting, Modelling, and Furnishing a Floor Plan
- Interiors Vs Exteriors
- Elevation Views
- Modelling a Two-Story House
- Painting with Colors, Textures, and Photo-Matching
- Enhancing and Presenting the Model Annotate the Model
- The Walkthrough
- Plugins and layout





PhotoShop for interior design

Adobe Photoshop is the industry standard for digital image work. Its powerful editing capabilities allow you to select detailed areas in your drawings and add colour, texture and pattern. From simply resizing to manipulation, Photoshop can transform your work. The extensive range of design tools will help you to express your creative concepts with ease

PhotoShop

- Introduction to Photoshop
- Overview with Panels and Work-space
- Working with Layers
- Masking Techniques
- Photos Retouching Process
- Working with tools
- Filters, Styles and Effects
- Types of Gradient
- Compositing Techniques
- Image Editing Techniques
- Creating 3D shapes
- 3D Object Manipulation
- Lighting and rendering a 3D scene





V-Ray for interior design

V-Ray is a powerful third party rendering engine which is used in almost all the computer graphics Technique. This particular rendering engine has the ability to give the most Photo realistic rendering output. You will be learning about the V-ray rendering engines and how the 3D scene reacts for each settings change. You will also be seeing how to set the light, material camera and the some of the V-Ray modifiers in order to get the photorealistic output.

V-Ray

- VRAY for 3Ds Max
- V-Ray rendering Engine
- V-Ray image sampling
- V-Ray Light Common setting
- GI for Exterior and interior scenes
- V-Ray Physical Camera
- V-Ray Material
- V-Ray Aerial Prospective
- V-Ray Displacement Mod
- V-Ray Render Elements





Gantt Chart for Interior Design Project

Gantt charts are used for planning and scheduling projects in project management. A gantt chart is a horizontal bar chart that's incredibly useful because it allows you to simplify complex projects into an easy-to-follow plan and track the status of tasks as work progresses. Gantt charts also help you keep track of project deadlines, milestones, and hours worked, it gives a clear understanding to the client about how long each step of interior design construction works will take, which will allow avoiding misunderstandings and frustration

Gantt Chart

Overview

Starting the Process

Converting a simple bar chart into Gantt Chart

Using the chart as a graphic in order application

Extending Gantt Charting for Project Management

About the Macros

Controlling the project



3D Printing (Additive Manufacturing) in Interior Design

Additive manufacturing works by bringing the design of an object — its shape — into a computer model and then dividing that model into separate layers that are stacked to form the final object. The process reimagines a 3D object as a series of stackable layers that forms the finished object making miniatures. Instead of imagining something and trying to explain it to your clients, why not make it instead? A smaller version of the sculpture you plan to place in their living room goes a long way in showing them how everything will tie together, and you no longer have to rely on vague drawings and picture.

3D Printing

- Introduction to 3D Printing
- Brief history of Additive Manufacturing
- Understanding the advantages of 3D Printing
- Exploring types of 3D Printers
- Applications of 3D printing
- Software Interfacing and file format
- Getting Started with slic3R
- 3d Scanning
- Project





Revit for interior design

Autodesk Revit is widely known for its architectural drafting capabilities, but its features also lend themselves well to interior design projects. After using AutoCAD or Sketchup, The next upgrade to the latest Building Information Modeling software that all the major architecture firms and developers are using? Having a hard time getting off the AutoCAD dinosaur train? Want to save drafting time and use a program that coordinates your changes to populate instantly? By learning Revit for Interior Designers you can easily change all that.

REVIT

- Overview of the Revit User Interface
- Quick Start: Small Office
- Floor plans (First Floor)
- Floor plans(Second and Third Floors)
- VERTICAL - Stair by Sketch
- Roof Design Options
- Creating & Viewing Exterior Elevations
- Dimensions & Tagging
- Sections and Details
- Wall Sections
- Layouts Cabinets & Furniture.
- Schedules
- Site & Rendering
- Construction document Sheet





3ds Max for interior rendering

Autodesk 3ds Max provides professional interior designers and design studios industry leading 3D interior rendering tools that give them the power to bring their concepts to life.

3DSMax

- Introduction to 3ds Max
- Modeling using basic primitives
- Transforming objects
- Arranging objects using utility tools
- Modeling using parametric modifiers
- Spline modeling
- Landscaping and modeling using Compound object
- Construct using Architectural objects
- Views- Lights and Cameras
- Textures- Basic & Advance
- Particle Systems & Forces
- Importing other formats
- Basics of Animation
- Walk- through
- Rendering





Project Planning & Management control

Once the final design is approved, the execution or implementation phase marks the realisation of the design. Contractors' bids are sought and the designer prepares a detailed schedule of works, Realization of these objectives requires systematic planning and careful implementation, To this effect, application of knowledge, skill, tools and techniques in the project environment. Project Planning is a unique process, consist of a set of coordinated and controlled activities with start and finish dates, undertaken to achieve an objective conforming to specific requirements, including the constraints of time cost and resource.

Project Planning & Management control

- Introduction to Project Management
- Project life cycle
- Beginning a Project (Meetings & Surveys)
- Residential & Contract Surveys / Drawings
- Residential Specifications
- Contract Specifications
- Renovations





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