Master AutoCAD in Chennai Basic, Advanced & Master Level Training

Basic, Advanced & Master Level CAD Drafting in AutoCAD, Revit, SketchUp & 3ds Max with 100% Placement Assistance.

Build career-defining drafting and 3D modeling skills with Greens Technologies' AutoCAD Course in Chennai. Move from foundational drafting commands and layer setups to architectural floor plans, MEP schematics, 3D solid modeling, rendering and automated sheet sets, working on real civil, mechanical, architectural and electrical blueprints.

Your Trainers

Er. Rajesh Kumar M — Lead CAD Consultant & Senior Structural Engineer
12+ Years Industry Experience

Er. Vignesh Master — Senior Mechanical CAD Specialist
9+ Years Industry Experience

Course Curriculum

Phase 1: GUI, Precision Drafting & 2D Geometry Editing Modules 01–03 · 18 Hours

Set up the CAD workspace, draw precise 2D geometry and edit it accurately.

01. CAD Fundamentals & GUI Setup 6 sessions

- CAD Overview & Industry Scope
- Workspace Navigation & ViewCube
- Drawing Units & Limits Setup
- Absolute & Relative Coordinates
- Polar & Dynamic Input Settings
- Command Line & Ribbon Tweaks

02. 2D Geometry Creation (Draw Commands) 6 sessions

- Line, Polyline & Construction Lines
- Rectangles & Polygons
- Splines, Revision Clouds & Points
- Circle, Arc & Ellipse Methods
- Object Snap (Osnap) Precision
- Object Snap Tracking (Otrack)

03. Modify Commands & Precision Editing 6 sessions

- Move, Copy, Rotate & Scale
- Fillet, Chamfer & Blend Curves
- Stretch, Mirror & Explode Tools
- Trim, Extend & Offset Operations
- Rectangular & Polar Arrays
- Lengthen, Break & Join Utilities

Phase 2: Layers, Annotations, Blocks & Dynamic Xrefs Modules 04–06 · 18 Hours

Organise drawings with layers, annotate and dimension them, and reuse content with blocks and Xrefs.

04. Layers, Properties & Organization 6 sessions

- Layer Properties Manager
- Color, Linetype & Lineweight
- Match Properties Command
- Lock, Freeze, Hide & Isolate
- Layer Filters & Layer States
- Standards & Naming Conventions

05. Annotations, Dimensions & Hatching 6 sessions

- Single & Multiline Text Styles
- Linear, Aligned & Radial Dims
- Dimension Style Customization
- Hatch Patterns & Boundaries
- Gradient Fills & Transparency
- Table Creation & Data Linking

06. Blocks, Attributes & External References 6 sessions

- Block Creation & WBlock Libraries
- Defining Block Attributes
- Dynamic Block Parameters/Actions
- Attaching & Overlaying Xrefs
- Xref Path Management & Clipping
- Attribute Data Extraction

Phase 3: 3D Modeling Foundations, Surfaces & Rendering Modules 07–08 · 12 Hours

Build 3D solids, edit them, apply materials and lighting, and render presentation images.

07. 3D Solid Modeling Foundations 6 sessions

- 3D Workspaces & Visual Styles
- 3D Primitives (Box, Cylinder, etc.)
- User Coordinate System (UCS)
- Extrude & Revolve Operations
- Sweep & Loft Solid Creation
- Boolean Union, Subtract, Intersect

08. 3D Editing, Materials & Rendering 6 sessions

- 3D Move, Rotate, Mirror & Array
- Fillet Edge & Chamfer Edge
- Shelling & Face Editing Tools
- Material Application & Texturing
- Lighting Setup & Sunlight Options
- Rendering Presets & Image Output

Phase 4: Layouts, Plotting & Branch-Specific Capstone Modules 09–10 · 12 Hours

Prepare production drawings for print and PDF, then complete a capstone in your engineering track.

09. Layouts, Plotting & Documentation 6 sessions

- Model Space vs Paper Space Layouts
- Creating & Scaling Viewports
- Page Setup Manager Settings
- Title Block & Border Setup
- Plot Styles (CTB/STB) Config
- PDF Export & eTransmit Bundles

10. Industry Capstone Projects 6 sessions

- Mechanical: Part Assembly & BOM
- 3D Model Presentation Rendering
- Structural Sectional Drawings
- Civil: Architectural Floor Plan
- Electrical: Circuit & Panel Design
- Portfolio Assembly & Review

Projects & Hands-On Labs

Residential Floor Plan Draft
Draft a 2BHK residential layout using layers, precision snaps, doors/windows blocks, hatching, and dimensions.

Architectural Submission Blueprint Set
Create a complete 2D floor plan, front elevation, cross-section cut, and door/window schedule using dynamic blocks.

3D Residential House Villa Model
Convert 2D 2BHK floor plans into a 3D solid architectural model using extrude, presspull, material application, and lighting.

Multi-Disciplinary Capstone Blueprint
Execute a multi-sheet engineering blueprint drawing set (DWG, high-res PDF, 3D renders) complete with title blocks and bill of materials.

Enrol & Contact

Book a free demo class or a 1-on-1 counselling session.
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Website: www.greenstechnologys.com
25 centres across Chennai, Bengaluru, Coimbatore, Trichy and Salem, plus live online batches. Curriculum may be updated by the trainer to reflect current industry practice.