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Welcome to [GyanHub](#)'s **AutoCAD Training Program**! Our 18-module curriculum is designed to transform you from a beginner to a proficient AutoCAD professional. Each module is packed with practical exercises, assignments, and quizzes to ensure a hands-on, engaging learning experience.

### **Our Mission:**

At GyanHub, we make education accessible, personalized, and flexible, enabling students to learn at their own pace, on their own time, and from any location. Our extensive range of high-quality courses, from foundational to specialized, is designed to fit within your busy schedule and budget. By leveraging modern technologies, we ensure that each student has an engaging and interactive learning experience. Our mission is to create an affordable, motivating, and supportive learning environment where students feel empowered to achieve their fullest potential, no matter where they start from.

### **Our Vision:**

Our vision is to become a global leader in flexible, high-quality education, offering learners everywhere the opportunity to thrive. We aim to partner with top-tier organizations and industries to provide joint ventures, specialized training, and course revisions that keep pace with evolving educational and professional needs. By continually adapting our curriculum and utilizing cutting-edge technology, GyanHub will equip students with the skills and knowledge to succeed in a fast-changing world. We envision a future where GyanHub is a cornerstone for lifelong learning, transforming the lives of learners globally and helping them build meaningful, successful careers.

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# Training on AutoCAD

## Syllabus



Extensive 25-Day AutoCAD Training Syllabus (Day-wise)		
Day	Topic	Details
Day 1	<b>Basic AutoCAD Settings</b>	History of AutoCAD, Overview of AutoCAD Interface, Units, Limits, Zoom, Pan, Mouse and Keyboard Navigation, and Setting Up Workspace.
Day 2	<b>Drawing Toolbars</b>	Line, Polyline, Circle, Arc, Rectangle, Ellipse, Polygon, Construction Lines, and Hatch.
Day 3	<b>Modify Toolbars</b>	Move, Copy, Rotate, Mirror, Trim, Extend, Offset, Scale, Fillet, Chamfer, Array, and Explode.
Day 4	<b>Annotations</b>	Adding Text, Multiline Text, Dimensions, Leaders, and Annotative Text Styles.
Day 5	<b>Layers</b>	Creating and Managing Layers, Layer Properties, Layer Filters, Layer States, and Templates.
Day 6	<b>Groups and Blocks</b>	Creating, Modifying, and Inserting Blocks, Dynamic Blocks, Annotative Blocks, and Group Management.
Day 7	<b>Properties and Tool Palettes</b>	Editing Object Properties, Quick Properties, Using Tool Palettes, and Customizing Tool Palettes.
Day 8	<b>Utilities</b>	Measuring Tools, Calculating Areas and Distances, Quick Select, and Drawing Recovery.

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Day 9	<b><i>XREF and Design Center</i></b>	Working with External References (XREFs), Inserting and Managing XREFs, Using the Design Center for Block Management.
Day 10	<b><i>Printing - Fit to Paper</i></b>	Setting Up Print Layout, Page Setup Manager, Printing Fit to Paper, and Handling Print Settings.
Day 11	<b><i>Printing in Scale and Layout Templates</i></b>	Plotting to Scale, Creating Layout Templates, Batch Printing, and Managing Plot Styles.
Day 12	<b><i>Inserting Maps, Photos, and Coordinates</i></b>	Attaching Geographic Location, Importing and Managing Maps, and Using Coordinate Systems in Drawings.
Day 13	<b><i>MRT and Building Codes/By-laws</i></b>	Understanding Mandatory Rule of Thumb (MRT), Building By-Laws, and Building Codes.
Day 14	<b><i>Location Map</i></b>	Creating a Location Map, Adding Landmarks
Days 15-17	<b><i>Building Plan Development</i></b>	Creating Floor Plans, Room Layouts, Walls, Windows, Doors, Staircases, and Adding Furniture Layouts, etc.
Days 18-19	<b><i>Building Elevations</i></b>	Drafting Front, Side, and Rear Elevations, Adding Exterior Details, and Applying Annotations.
Day 20	<b><i>Building Sections</i></b>	Cutting Sections Through Building Plans, Adding Annotations, and Detailing.
Days 21-23	<b><i>Structural Drawings</i></b>	Developing Structural Plans, Columns, Beams, Footings, Reinforcement Details, and other structural drawings.
Day 24	<b><i>Final Printing and Presentation</i></b>	Setting Up Final Layouts, Adjusting Scale, Adding Title Blocks, Batch Printing, and Final Plot Presentation.
Day 25	<b><i>Course Wrap-Up</i></b>	Final Project Presentation, Feedback Session, Q&A, Certification, and Closing Ceremony.

*If the course is not completed within 25 days, additional days will be provided to ensure its completion.*

For any queries: 9763695665(whatsapp/call)

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## **Module 1: Getting Started with AutoCAD**

- Installing and launching AutoCAD.
- Creating new drawings and understanding the interface.
- Navigating using zoom, pan, and workspace setup.

**Outcome:** Learn the AutoCAD basics and interface.

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## **Module 2: Basic Drawing & Editing Commands**

- Using essential tools like Line, Circle, and Rectangle.
- Setting units, limits, and scales.
- Basic editing tools: Move, Copy, and Scale.

**Outcome:** Understand foundational drawing and editing techniques.

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## **Module 3: Creating a Simple Drawing**

- Drawing basic shapes and layouts.
- Utilizing Object Snap Tracking for accuracy.
- Modifying tools for designing office layouts.

**Outcome:** Practice creating precise and functional drawings.

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## **Module 4: Drawing Precision in AutoCAD**

- Using Polar and Ortho Tracking.
- Entering specific coordinates and angles.
- Enhancing accuracy with Snaps and Tracking.

**Outcome:** Achieve precision in your drawings.

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## Module 5: Making Changes to Your Drawing

- Advanced editing: Move, Rotate, and Mirror.
- Scaling objects for proportional changes.
- Refining designs using the Undo and Redo commands.

**Outcome:** Master techniques to edit and adjust designs effectively.

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## Module 6: Using Drawing Templates

- Working with Template Files (.dwt).
- Understanding template settings and reusable elements.

**Outcome:** Save time by creating and utilizing drawing templates.

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## Module 7: Organizing Drawings with Layers

- Creating, renaming, and managing layers.
- Layer States, Properties, and Filters.

**Outcome:** Organize complex projects for better clarity and efficiency.

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## Module 8: Advanced Object Types

- Drawing and editing Polylines, Arcs, Polygons, and Ellipses.
- Converting objects into Polylines for advanced editing.

**Outcome:** Handle intricate shapes and objects with ease.

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## **Module 9: Analyzing Models and Object Properties**

- Using the Properties Palette.
- Quick Select and Select Similar tools.
- Measuring geometry for design validation.

**Outcome:** Analyze and fine-tune designs with precision.

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## **Module 10: Advanced Editing Commands**

- Advanced tools: Trim, Extend, Fillet, Chamfer.
- Modifying complex drawings with Explode, Offset, and Join.

**Outcome:** Enhance your ability to refine complex designs.

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## **Module 11: Working with Blocks**

- Inserting Blocks using various methods.
- Creating and managing Dynamic Blocks.
- Sharing elements using the Design Center.

**Outcome:** Reuse and standardize design elements effectively.

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## **Module 12: Municipal Drawing Project**

- Converting field measurements into AutoCAD plans.
- Drafting Floor Plans, Elevations, and Sections.
- Working with Land Maps and Building Codes.

**Outcome:** Develop practical skills for real-world projects.

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## **Module 13: Hatching and Gradients**

- Applying and customizing Hatches.
- Using the Hatch Editor for modifications.

**Outcome:** Add textures and patterns to enhance drawing clarity.

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### **Module 14: Adding Dimensions and Annotations**

- Dimensioning tools for precise measurements.
- Multileader annotations and text styles.

**Outcome:** Improve the readability of technical drawings.

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### **Module 15: Setting Up Layouts and Viewports**

- Creating layouts and managing Viewports.
- Scaling Viewports for accurate presentations.

**Outcome:** Present your designs effectively using layouts.

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### **Module 16: Preparing for Printing**

- Text tools: Multiline and Single Line Text.
- Formatting for annotations and notes.

**Outcome:** Prepare drawings for professional presentation.

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### **Module 17: Printing Your Drawing**

- Printing from Layout Tabs and Model Space.
- Printing to scale and fit-to-paper techniques.

**Outcome:** Finalize and share designs with confidence.

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## **Module 18: Final Project and Certification**

- Applying skills to create a comprehensive design.
- Finalizing and presenting your project for evaluation.

**Outcome:** Consolidate your learning into a portfolio-worthy project.

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## **Additional Notes**

- Each module includes **assignments and quizzes**, reinforcing learning and ensuring concept mastery.
- Completion of all modules, assignments, and quizzes is mandatory for certification.
- Lifetime access to resources and ongoing support is available to all participants.

Join GyanHub and take the first step toward mastering AutoCAD today!