



# AUTODESK AUTOCAD



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Engineering Your Success Story



# AUTODESK AUTOCAD



**Beeni Maharjan, Architect**

Trainer

**LINE ACADEMY**



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# ABOUT THE TRAINER

Being an Architect, I am experiencing a new way of learning with full of imaginations and creativity. I am fascinated that architecture have a power to make dreams of form and space in real.

I am currently employed as an Architect at Style spaces. In this role, I am responsible for designing and planning space, collaborating with other professionals, such as engineers, interior designers, and contractors, to ensure that the design is feasible and meets all technical and regulatory requirements. Some of Buildings that i designed are Residence, Hotel, Commercial, Hospital, School, Resort and so on.







# BENEFITS OF AUTOCAD

- **Enhance Design Accuracy:** Develop precise and accurate designs using advanced tools and features, reducing the risk of errors in technical drawings.
- **Visualize Concepts:** Create detailed 2D and 3D visualizations of designs, allowing for better understanding and communication of concepts and ideas.
- **Improve Problem-Solving:** Analyze and test designs virtually, identifying and addressing potential issues before physical implementation.
- **Enhance Professional Skills:** Build valuable skills that are in demand across various industries, increasing career opportunities and professional growth.





## BENEFITS OF AUTOCAD TRAINING AT LINE ACADEMY

- **Learn from Industry Experts:** Gain insights from highly experienced and certified instructors who bring real-world expertise to Primavera training.
- **State-of-the-Art Facilities:** Benefit from well-equipped labs designed to provide a hands-on, practical learning experience in Primavera.
- **Engaging Learning Environment:** Enjoy a friendly and interactive atmosphere that fosters collaboration and active participation.
- **Financial Support for Students:** Take advantage of scholarships available for students who demonstrate need and meet eligibility criteria.
- **Flexible Learning Options:** Opt for online training if you're unable to attend in person, ensuring accessibility and convenience.
- **Real-World Project Experience:** Work on projects under the supervision of instructors and industry experts, gaining practical experience and building your portfolio.



# COURSE OUTLINE

- Part 1. INTRODUCTION TO AUTOCAD
- Part 2. DRAWING FUNDAMENTALS
- Part 3. ADVANCEDDRAWINGTECHNIQUES
- Part 4. LAYERS AND PROPERTIES
- Part 5. DIMENSIONING AND ANNOTATIONS
- Part 6. BLOCKS AND REFERENCES
- Part 7. LAYOUTS AND PRINTING
- Part 8. 3D MODELING AND VISUALIZATION
- Part 9. ADVANCED 3D TECHNIQUES
- Part 10. CUSTOMIZATION AND AUTOMATION
- Part 11. PROJECT WORK
- Part 12. TROUBLESHOOTING AND TIPS

## PART 1: INTRODUCTION TO AUTOCAD

- Overview of AutoCAD interface and workspace
- Understanding the AutoCAD environment and tools
- Basic navigation and drawing commands

## PART 2. DRAWING FUNDAMENTALS

- Drawing basic shapes (lines, circles, arcs, rectangles)
- Using precision tools (grid, snap, ortho mode)
- Modifying objects (move, copy, rotate, scale)

## PART 3. ADVANCED DRAWING TECHNIQUES

- Working with complex shapes (polylines, splines)
- Using advanced drawing tools (hatch, gradient fill)
- Creating and using templates

## PART 4. LAYERS AND PROPERTIES

- Understanding layers and their functions
- Managing layer properties and layer states
- Applying and modifying object properties (line type, color)

## PART 5. DIMENSIONING AND ANNOTATIONS

- Adding dimensions to drawings
- Creating and managing text annotations
- Using leaders and callouts

## PART 6. BLOCKS AND REFERENCES

- Creating and inserting blocks
- Understanding and using external references (Xrefs)
- Managing and modifying block attributes

## PART 7. LAYOUTS AND PRINTING

- Setting up layouts and viewports.
- Creating and managing sheet sets.
- Configuring print settings and printing drawings.

## PART 8. 3D MODELING AND VISUALIZATION

- Introduction to 3D drawing and modeling
- Creating basic 3D shapes and objects
- Using 3D views and visual styles



## PART 9. ADVANCED 3D TECHNIQUES

- Editing and refining 3D models
- Applying materials and textures
- Creating renderings and walkthroughs

## PART 10. CUSTOMIZATION AND AUTOMATION

- Customizing the AutoCAD interface and commands
- Creating and using macros
- Introduction to scripting with AutoLISP or VBA

## PART 11. PROJECT WORK

- Applying skills to real-world projects
- Review and feedback on project work
- Best practices for design and drafting

## PART 12. TROUBLESHOOTING AND TIPS

- Common issues and how to resolve them
- Tips for improving efficiency and productivity
- Staying up-to-date with software updates and new features

# Line Academy

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## Contact Us



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