



# AutoCAD





# Our Vision & Mission


Learnify, MSME and Startup India verified, teaches millions technical skills with expert-led, hands-on courses for career growth.

## VISION



The vision of Learnify is to revolutionize education through the seamless integration of technology, creating a direct path from skill acquisition to job readiness.

## MISSION



Our mission is to provide personalized and engaging learning experiences for students of all ages by leveraging digital tools, virtual platforms, and data-driven insights to ensure effective skill mastery and career readiness.

# AutoCAD

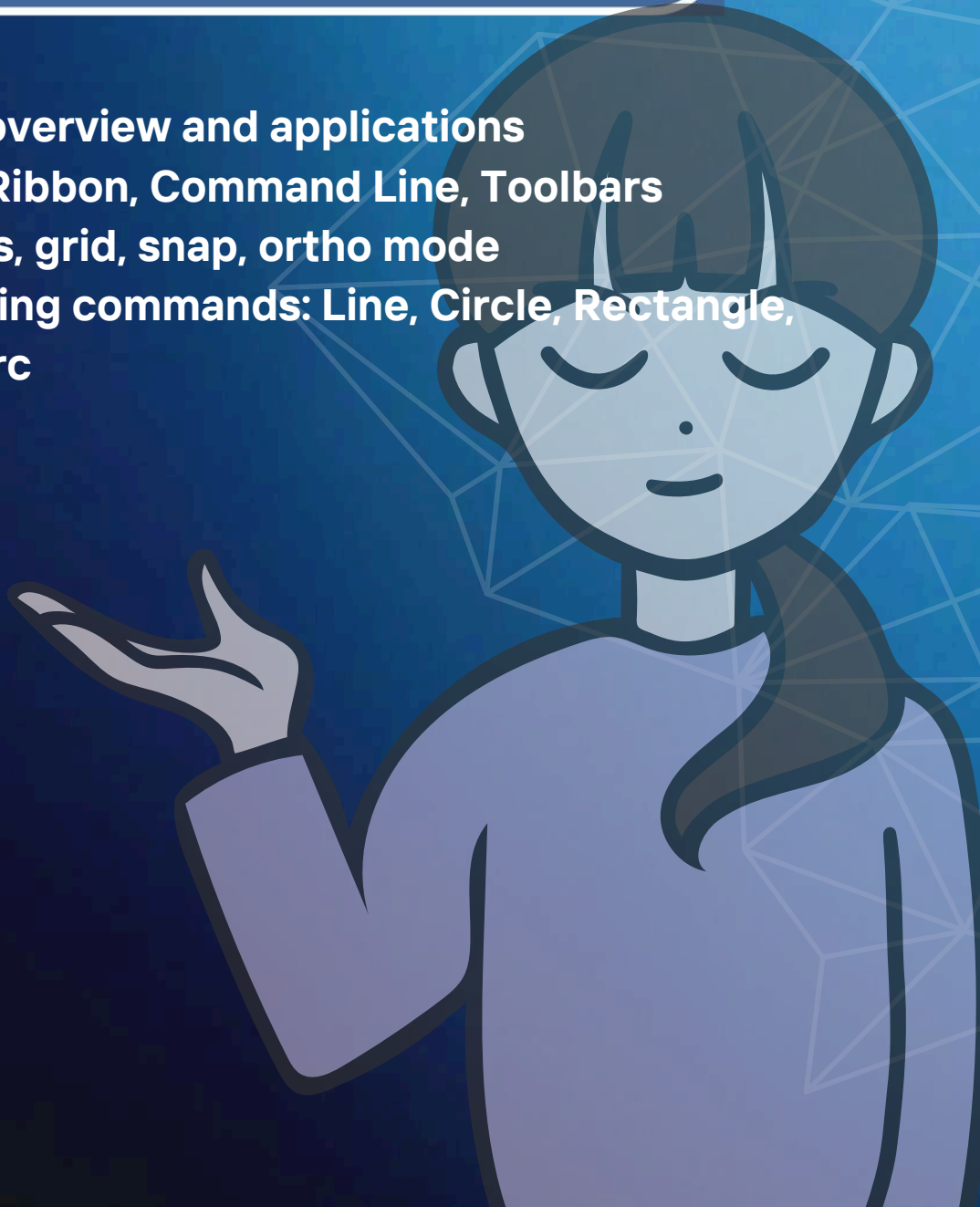


## COURSE CURRICULUM

1.

### INTRODUCTION TO AUTOCAD

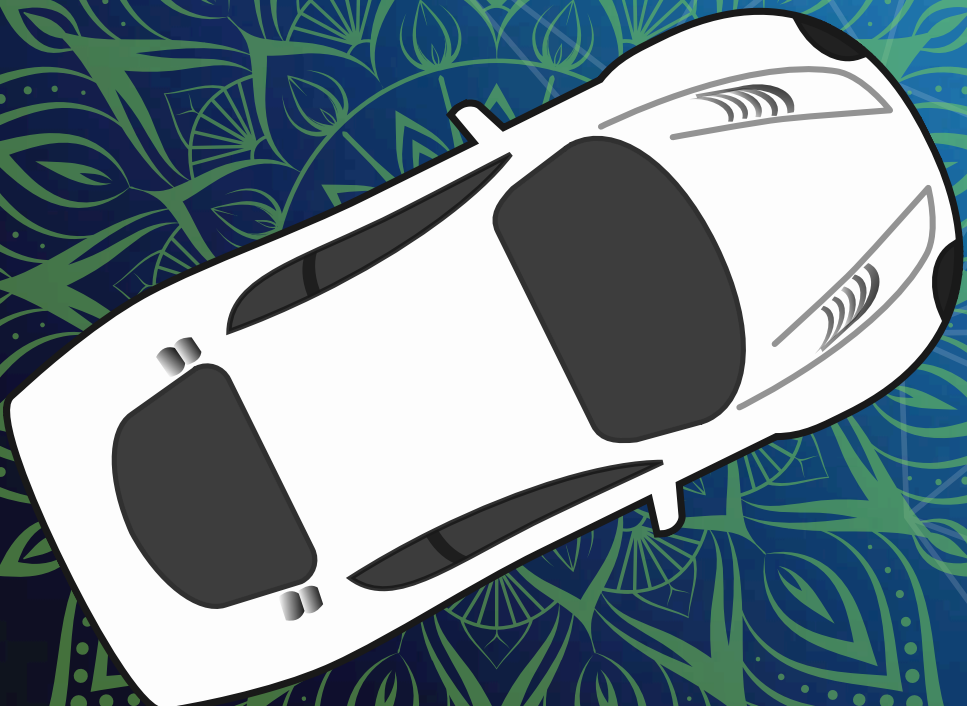
- AutoCAD overview and applications
- Interface: Ribbon, Command Line, Toolbars
- Units, limits, grid, snap, ortho mode
- Basic drawing commands: Line, Circle, Rectangle, Polygon, Arc



## 2.

## BASIC EDITING & OBJECT PROPERTIES

- **Editing commands: Move, Copy, Mirror, Offset, Trim, Extend**
- **Object selection methods**
- **Layers, colors, linetypes**
- **Object properties**



## 3.

## DIMENSIONING & ANNOTATIONS

- Linear, aligned, angular, and radius dimensions
- Text and multi-line text Basic hatching and fills
- Saving, printing, and plotting

## 4.

### ADVANCED 2D DRAWING

- Polyline, Spline, Ellipse, Arc tools
- Fillet, Chamfer, Offset, Stretch
- Hatch patterns and gradients



## 5.

## **BLOCKS AND ATTRIBUTES**

- **Creating and inserting blocks**
- **Dynamic blocks**
- **Attributes in blocks**
- **Editing and managing blocks**



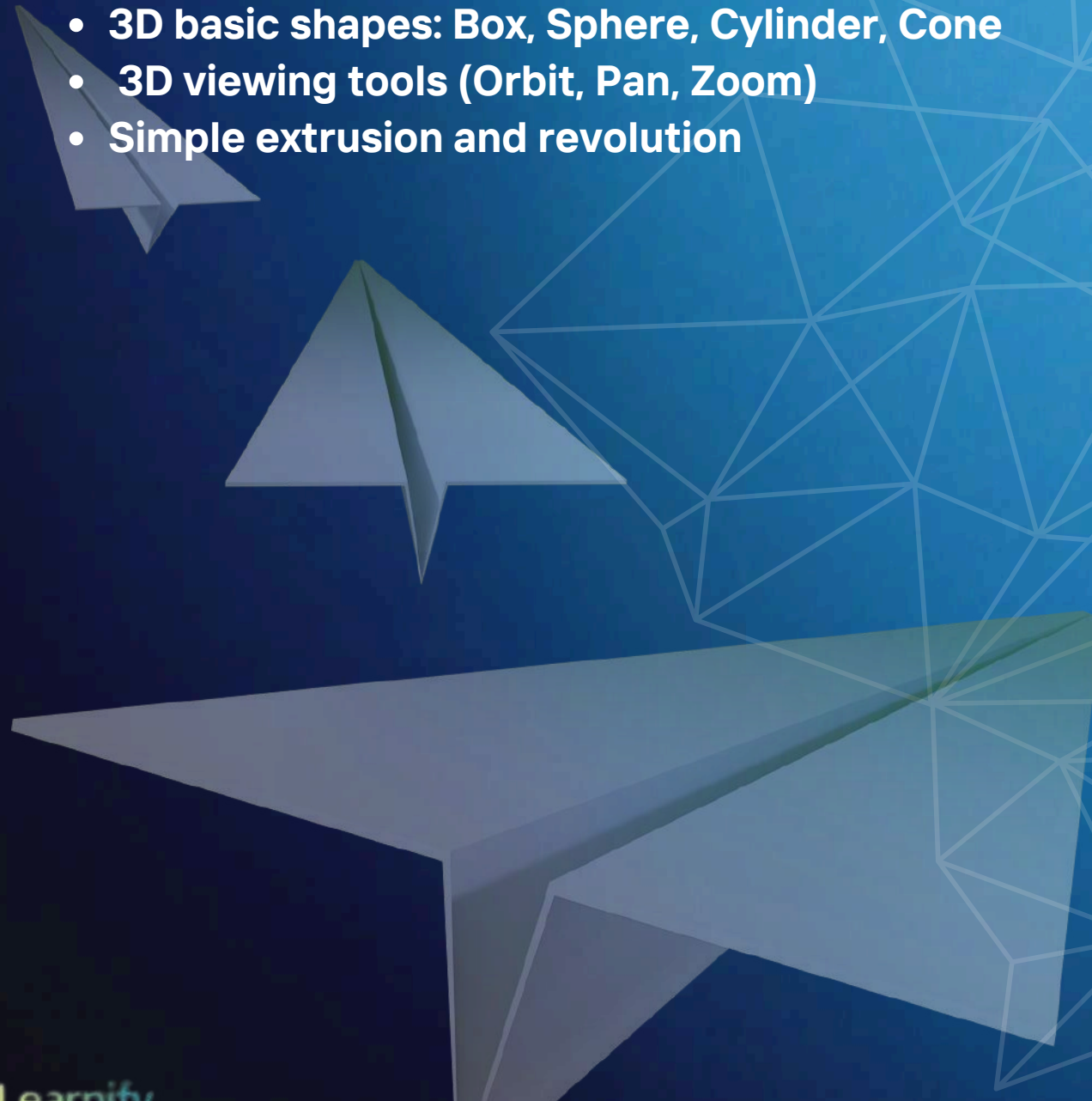
## 6. EXTERNAL REFERENCES & LAYOUTS

- Xrefs (external references)
- Layouts and viewports
- Printing and plotting settings
- Template management



## 7.

## INTRODUCTION TO 3D MODELING

- 3D workspace
  - 3D basic shapes: Box, Sphere, Cylinder, Cone
  - 3D viewing tools (Orbit, Pan, Zoom)
  - Simple extrusion and revolution
- 

## 8. **ADVANCED 3D MODELING & ASSEMBLIES**

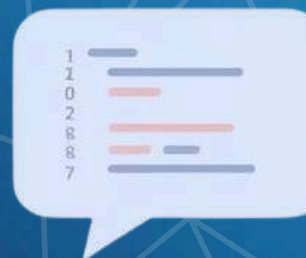
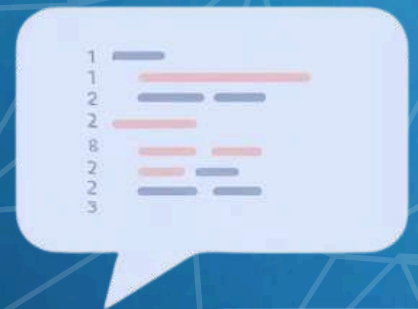
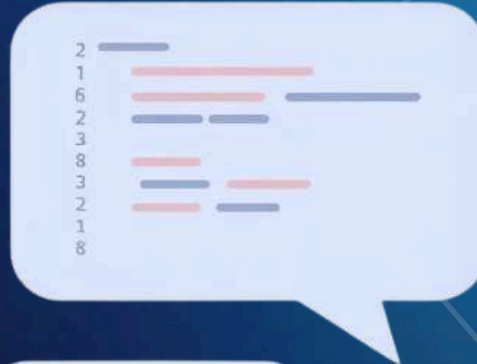
- **Complex 3D surfaces and solids**
- **Boolean operations on multiple objects**
- **Multi-part assemblies and hierarchical components**
- **3D object management techniques**



## 9.

## SHEET SETS & PROFESSIONAL DOCUMENTATION

- Creating and managing Sheet Sets
- Automated title blocks and sheet numbering
- Advanced layout and plotting techniques
- Publishing multiple drawings efficiently



## 10. PARAMETRIC & CONSTRAINT-BASED DESIGN

- Geometric and dimensional constraints
- Dynamic modeling of adjustable designs
- Using parametrics for product optimization



## 11.

## ADVANCED RENDERING & VISUALIZATION

- Photorealistic rendering
- Lighting types: Spot, Point, Directional, Sun & Sky
- Material libraries and textures
- Animation and walkthrough creation



12.

## ADVANCED CIVIL & INFRASTRUCTURE DESIGN

- Road alignment and layout modeling
- Bridge and structural component design
- Terrain and contour mapping
- Integration with GIS data



13.

## EACH RESEARCH PROJECT INCLUDES

- Material optimization for mechanical components
- Energy-efficient building designs
- Traffic flow and urban planning simulations
- Structural integrity analysis in AutoCAD + external tools 3D residential/commercial building with interiors
- Fully detailed mechanical assembly ready for manufacturing
- Urban planning project with traffic and GIS simulation



14.

RESUME BUILDING & PROFILE OPTIMIZATION

- **Crafting an ATS-friendly resume tailored to tech roles**
- **Optimizing LinkedIn & GitHub profiles**
- **Writing impactful career objectives and summaries**



## **15. APTITUDE & LOGICAL REASONING**

- **Quantitative Aptitude: Speed, Accuracy & Problem Solving**
- **Logical Reasoning: Puzzles, Patterns & Data Interpretation**
- **Mock Tests and Time Management Strategies**



## 16.

## COMMUNICATION & SOFT SKILLS

- **Verbal Communication: Public Speaking & Presentation Skills**
- **Email Etiquette and Business Communication**
- **Teamwork, Leadership, and Professional Behavior**



17.

## TECHNICAL INTERVIEW TRAINING

- Core DS Interview Concepts & Q&A Practice
- Hands-on Coding Interview Sessions (Python & Data Structures)
- Whiteboard Problem Solving & Project Discussion Tips



18.

## HR & BEHAVIORAL INTERVIEW PREPARATION

- Understanding HR Questions & Framing STAR-Method
- Answers Mock HR Interviews with Personalized Feedback
- Building Confidence and Positive Body Language



19.

## INTERNSHIP & JOB ASSISTANCE

- Access to Learnify's Hiring Partner Network
- Internship Opportunities with EdTech & AI Startups
- Job Alerts, Career Counseling & Placement Support



**20.**

## **CERTIFICATION & CAREER SUPPORT**

- **Learnify Certificate of Completion**
- **MSME & Startup India Certification**
- **Resume Building & LinkedIn Optimization**



AutoCAD

# Our Alumni Work At



**AutoCAD**

# Contact Us



**+91 74396 78587**



**learnifytechnology.com**



**@learnify\_technology**



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**Kolkata Sector V 700098**