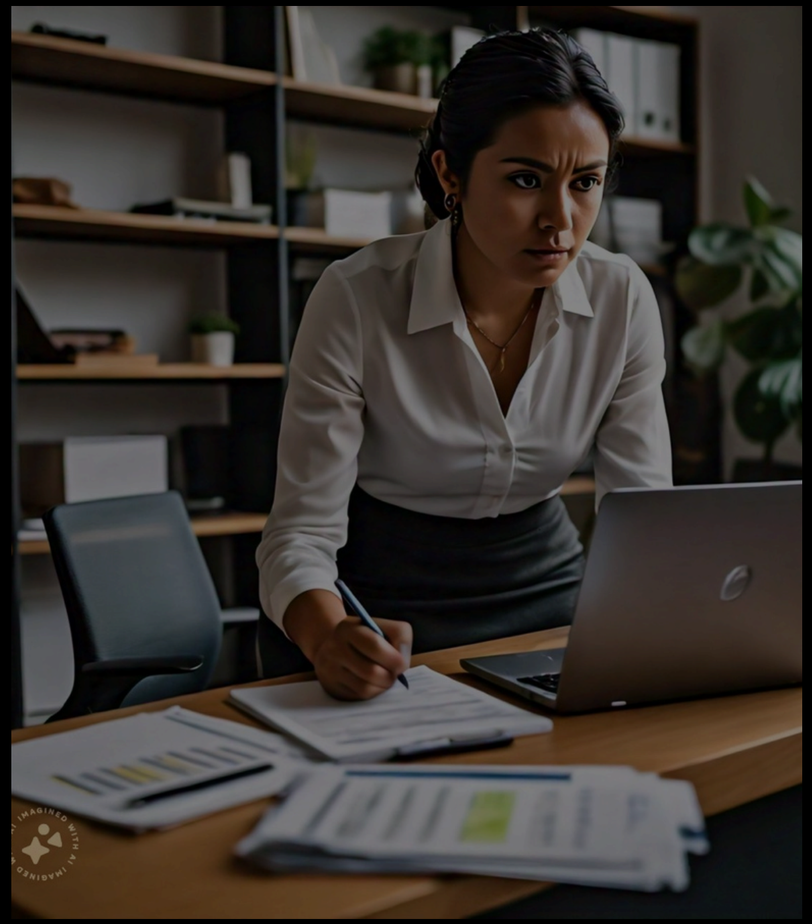
TS
TECH TEACH
EDUCATIONAL SOLUTIO

AUTO CAD

OUR MISSION :



"Our mission is to empower learners worldwide through innovative technology, personalized learning experiences, and accessible educational resources. We strive to cultivate a community where every individual can achieve their full potential, regardless of their background or circumstances."

OUR VALUES :

"To pioneer the future of education by leveraging cutting-edge technology to make learning more engaging, effective, and inclusive. We envision a world where education transcends boundaries, creating opportunities for lifelong learning and fostering a society enriched by knowledge and creativity."

COURSE CURRICULUM:

Week 1: AutoCAD Fundamentals Review

- **Day 1-2: Introduction to AutoCAD**
  - **Overview of AutoCAD interface and tools.**
  - **Basic drawing and editing commands.**
- **Day 3-4: Drawing Precision**
  - **Using coordinates, object snaps, and polar tracking.**
  - **Creating and modifying layers.**
- **Day 5: Basic Plotting and Printing**
  - **Plotting and printing basics.**
  - **Setting up plot styles.**

COURSE CURRICULUM:

Week 2: Advanced Drawing Techniques

- **Day 1-2: Advanced Object Creation**
  - **Creating complex objects with polylines, splines, and regions.**
  - **Using advanced editing commands.**
- **Day 3-4: Blocks and Attributes**
  - **Creating and managing blocks.**
  - **Using attributes for dynamic block information.**
- **Day 5: Dynamic Blocks**
  - **Creating and using dynamic blocks.**
  - **Adding parameters and actions to blocks.**

COURSE CURRICULUM:

Week 3: 3D Modeling

- **Day 1-2: Introduction to 3D Modeling**
  - **Understanding 3D coordinate systems.**
  - **Basic 3D object creation (extrude, revolve, sweep).**
- **Day 3-4: Advanced 3D Modeling**
  - **Creating complex 3D models with loft, shell, and slice commands.**
  - **Editing 3D objects (boolean operations, fillet, chamfer).**
- **Day 5: Visualization and Rendering**
  - **Applying materials and textures.**
  - **Basic rendering techniques.**

COURSE CURRICULUM:

Week 4: Parametric Design and Constraints

- **Day 1-2: Parametric Drawing**
  - **Introduction to parametric design.**
  - **Creating and managing constraints (geometric and dimensional).**
- **Day 3-4: Using Formulas and Constraints**
  - **Using formulas in parametric design.**
  - **Hands-on: Creating a parametric model.**
- **Day 5: Advanced Parametric Techniques**
  - **Using dynamic constraints and constraints inference.**

COURSE CURRICULUM:

Week 5: Customization and Automation

- **Day 1-2: AutoCAD Customization**
  - **Customizing the user interface.**
  - **Creating custom tool palettes and ribbon panels.**
- **Day 3-4: Introduction to AutoLISP**
  - **Basics of AutoLISP programming.**
  - **Writing simple AutoLISP scripts.**
- **Day 5: Advanced AutoLISP**
  - **Developing complex AutoLISP applications.**
  - **Integrating AutoLISP with AutoCAD commands.**

COURSE CURRICULUM:

Week 6: Collaboration and Data Management

- **Day 1-2: External References (Xrefs)**
  - **Using external references for collaboration.**
  - **Managing Xrefs in projects.**
- **Day 3-4: Data Extraction**
  - **Extracting data from drawings.**
  - **Creating data extraction templates and tables.**
- **Day 5: Working with DWF and PDF**
  - **Creating and managing DWF and PDF files.**
  - **Markup and review workflows.**

COURSE CURRICULUM:

Week 7: Industry-Specific Applications

- **Day 1-2: Architectural Drafting**
  - **Advanced architectural drafting techniques.**
  - **Creating and managing architectural drawings.**
- **Day 3-4: Mechanical Design**
  - **Advanced mechanical design techniques.**
  - **Creating and managing mechanical drawings.**
- **Day 5: Civil Engineering**
  - **Advanced civil engineering techniques.**
  - **Creating and managing civil drawings.**

COURSE CURRICULUM:

Week 8: Final Project and Presentations

- Day 1-4: Project Development
  - Students work on a comprehensive final project that integrates multiple aspects of the curriculum.
- Day 5: Project Presentation and Evaluation
  - Students present their projects.
  - Feedback and evaluation.

Our Partners Company's

FOR SUPPORT

+91 9652379012

www.techteachedsols.com

tech.ed.sols@gmail.com

THANK YOU

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