



BROCHURE

About Pavision Innovation

At Pavision Innovation, we are more than just a training platform – we are a community of innovators in education. Our AutoCAD program equips you with the knowledge and skills to enhance the creativity and design in today's ever-evolving life style.

Unlock Your Potential with AutoCAD

AutoCAD is a leading computer-aided design (CAD) software used by engineers, architects, and designers across industries to create precise 2D and 3D drawings. Mastering AutoCAD gives you a competitive edge in various fields such as architecture, construction, product design, and mechanical engineering. Glowlogics AutoCAD Certification Program is designed to provide hands-on experience and the skills required to become proficient in this powerful tool.

Course Outline

1. Introduction to AutoCAD

- Understanding the AutoCAD interface
- Navigating the workspace
- AutoCAD fundamentals and commands
- Coordinate systems and precision drawing tools

2. Creating 2D Drawings

- Drawing basic shapes (lines, circles, arcs, rectangles)
- Modifying drawings using editing tools (trim, extend, offset, copy, move)
- Working with layers, linetypes, and colors
- Annotations: Text, dimensions, and hatching

3. Advanced 2D Drawing Techniques

- Creating complex geometry (splines, polylines)
- Working with blocks, groups, and external references
- Dynamic blocks and attributes
- Parametric constraints for precise control over design

4. 3D Modeling and Visualization

- Introduction to 3D modeling in AutoCAD
- Creating 3D surfaces, meshes, and solids
- Navigating and visualizing 3D models
- Rendering and applying materials to 3D objects

5. Plotting and Printing

- Preparing layouts and viewports
- Setting up printing and plotting configurations
- Working with model space and paper space
- Exporting drawings to PDF and other formats

6. Industry-Specific Applications

- Architectural Drafting: Floor plans, elevations, sections, and details
- Mechanical Engineering: Part designs, assembly drawings, and isometric views
- Electrical Design: Circuit diagrams and panel layouts
- Civil Engineering: Site plans, topographical maps, and infrastructure layouts

Sample Projects

In the Capstone Project, students will be required to design and present a fully detailed 2D or 3D model based on industry-specific guidelines. This project will showcase their skills in drafting, modeling, and visualization, and will be a valuable addition to their professional portfolio.

Career Opportunities

Upon completing the AutoCAD Certification Program, students will be equipped for roles such as:

- CAD Technician
- Design Engineer
- Architectural Drafter
- Mechanical Designer
- Civil Draftsperson

Certificates



Assured Interviews

As part of our placement support, we provide assured interview opportunities with leading companies in your field. Our dedicated placement team works tirelessly to connect you with the right employers based on your skills and interests.

The Course and Curriculum is designed by Mentors from



Get Started Today!

Contact Us:

Ready to take your career to the next level?

Contact us to learn more about our courses, flexible payment plans, and how we can help you achieve your career goals.

Phone: **6362243542**

Email: **help@pavision.in**

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