



AVERIXIS
SOLUTIONS

AUTOCAD

MENTORSHIP





Your first step of transformation begins, here and now.

At Averix, we provide transformative learning experiences to empower aspiring SaaS professionals. By nurturing a talented community, we close the gap between opportunity and aspiration, promoting leadership, innovation, and quality to shape the SaaS industry's future workforce.

Mission

To cultivate a community of SaaS professionals equipped with the skills to innovate and excel.

Vision

To shape the future workforce through transformative learning experiences



Lesson Plan

Modules

Duration	Modules
Module 1	<p>Module 1: Fundamentals of AutoCAD & 2D Drafting</p> <p>1. Introduction to AutoCAD & Interface</p> <ul style="list-style-type: none">• What is AutoCAD and its applications in various industries• Exploring the AutoCAD interface: Ribbon, workspace, command line, toolbars, and customization• File management, units, and drawing setup• Basic drawing tools: Line, Circle, Arc, Rectangle, Polygon, Ellipse• Object snaps (OSNAP) and precision techniques <p>2. Drawing and Editing Techniques</p> <ul style="list-style-type: none">• Advanced drawing tools: Spline, Ray, Xline, Hatch, Solid fill• Modifying objects: Move, Copy, Rotate, Mirror, Scale, Stretch, Trim, Extend, Fillet, Chamfer• Working with layers: Creating, organizing, and managing layers for efficient drawing <p>3. Dimensioning and Annotation</p> <ul style="list-style-type: none">• Dimensioning techniques: Linear, radial, angular, diameter,• Text styles, multiline text, and annotations• Creating and using blocks and attributes <p>4. Introduction to Plotting and Printing</p> <ul style="list-style-type: none">• Plot styles, page setups, and printing drawings• Understanding plot styles and configurations• Preparing drawings for professional output





Duration	Modules
Module 2	<p>Module 2: Advanced 2D Drafting & Customization</p> <p>1. Advanced Drawing Techniques</p> <ul style="list-style-type: none">• Array commands: Rectangular, polar, and path arrays• Boolean operations (Union, Subtract, Intersect)• Creating and editing complex shapes using Boolean operations• Working with external references (Xrefs) <p>2. Customization and Automation</p> <ul style="list-style-type: none">• Customizing the AutoCAD interface: Creating tool palettes, customizing toolbars• Introduction to LISP programming (basic commands and functions)• Automating repetitive tasks with LISP routines <p>3. Data Extraction and Management</p> <ul style="list-style-type: none">• Extracting data from drawings:• Measuring distances, areas, volumes• Creating schedules and reports from drawing data• Linking AutoCAD drawings with other software (Excel, databases) <p>4. Industry Standards and Best Practices</p> <ul style="list-style-type: none">• Understanding industry standards (ISO, ANSI)• Best practices for drawing organization and documentation• Preparing drawings for professional review and presentation





Duration	Modules
Module 2	<p>Module 3: 3D Modeling & Visualization</p> <p>1. Introduction to 3D Modeling</p> <ul style="list-style-type: none">• 3D workspace and coordinate systems (UCS)• Creating 3D primitives: Box, Cylinder, Cone, Sphere• 3D drawing tools: Line, Circle, Arc in 3D <p>2. 3D Modeling Techniques</p> <ul style="list-style-type: none">• 3D transformations: Move, Rotate, Scale• Boolean operations in 3D• Creating 3D solids using revolve, extrude, and loft commands• Working with surfaces and meshes <p>3. 3D Visualization and Rendering</p> <ul style="list-style-type: none">• Applying materials and textures to 3D models• Setting up lights and cameras for realistic rendering• Creating 3D animations and walkthroughs <p>4. 3D Printing and Fabrication</p> <ul style="list-style-type: none">• Preparing 3D models for 3D printing• Understanding 3D printing technologies and limitations• Exporting 3D models for CNC machining and\ other fabrication processes





Duration	Modules
Module 4	<p>Module 4: Advanced Topics & Industry Applications</p> <p>1. BIM (Building Information Modeling) Concepts</p> <ul style="list-style-type: none">• Introduction to BIM principles and workflows• Creating data-rich models in AutoCAD for BIM• Understanding the role of AutoCAD in a BIM environment <p>2. Industry-Specific Applications</p> <ul style="list-style-type: none">• Focus on specific industry applications (Architecture, Mechanical, Civil)• Case studies and real-world examples• Guest lectures from industry professionals <p>3. Advanced Automation & Customization</p> <ul style="list-style-type: none">• Advanced LISP programming and scripting• Using the AutoCAD API for customization• Developing custom applications and tools <p>4. Career Preparation & Portfolio Development</p> <ul style="list-style-type: none">• Resume building and interview preparation tips• Creating a professional portfolio showcasing AutoCAD skills• Industry certifications and professional development opportunities





Success Stories from those who've AVERIXIS



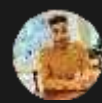
Shravan Kumar
RV University

I have done machine learning course. The course provided me so many opportunities to apply what I was learning to real-world scenarios through projects and assignments. The hands-on approach made it so much easier to grasp complex topics and prepared me well for using these skills in my career.



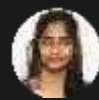
Simran Negi
Presidency University

The training and mentorship I received at Launched Global was a game-changer. My mentor not only guided me through real-world projects but also helped me build confidence in my skills. I'm now ready to tackle challenges in my career!



Saichander Kasthuri
SRM University

This program gave me hands-on experience and direct access to industry experts. I learned more in weeks than I had in months of self-study. It's been an incredible journey!



Vishnu Priya
Alliance University

Thanks to Launched Global, I've gained both technical skills and career insights. The combination of training and mentorship was exactly what I needed to feel prepared and motivated for my professional path.

Our Alumni work at

amazon

Adobe

Google

AUTODESK

Microsoft

Deloitte.

IBM



Collaborated companies

instamojo

NimbleS2P™

EWAN™
where language is a bridge not a barrier

NIMESA

ORAI
CONVERSATIONAL AI PLATFORM

edmingle

Cloudnix
Software Labs

Tru Performance

little
big
things.

EDGE SCIENCE
Pursuing smart, smarter solutions

VERIFY NOW
and don't waste your money

spoke

HELeads

Bhashik Skill

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”

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