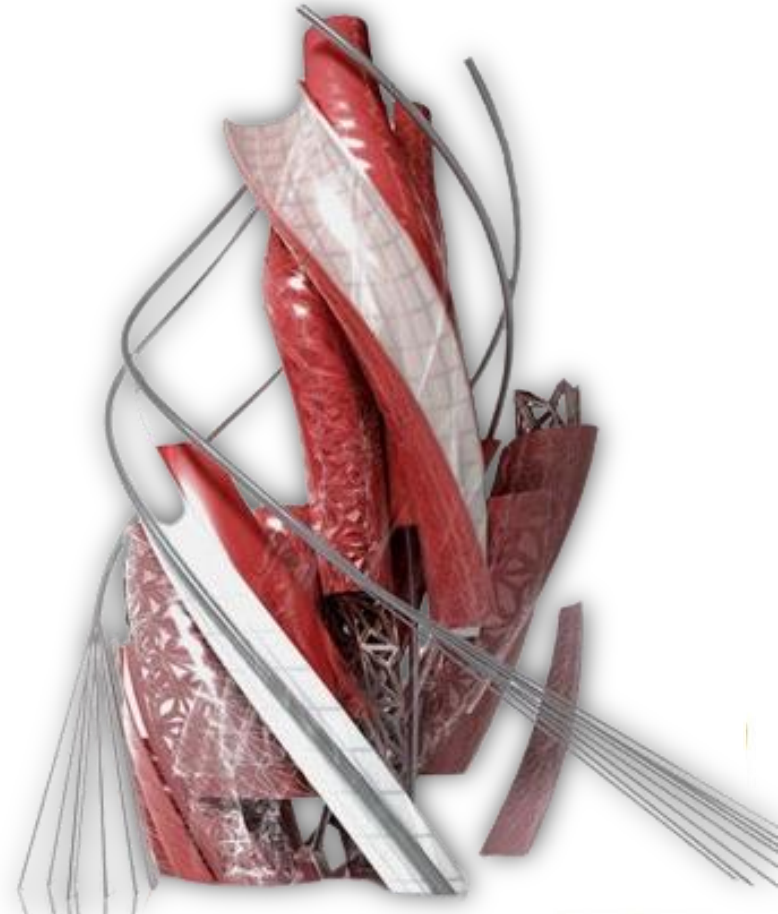TIBET

Pathways to your future.

THE INSTITUTE OF BUSINESS,
ENGINEERING & TECHNOLOGY

AUTODESK
AUTOCAD

What is AUTODESK AutoCAD

AutoCAD is an important software widely used in the construction industry whether it be Architecture, Building & Construction, Surveying, Facility Management or Project Management. Auto CAD has changed the way the world works, mainly in the engineering and architectural industries. It has replaced traditional drafting and design methods like pen and paper, allowing industries to plan, simulate and produce their new ideas in a single program. This is a high performing tool used by professionals across the industry to design and visualize their ideas, to quantify and measure, speed documentation and improve accuracy and efficiency. A sound knowledge of this software will increase individual and organizational productivity and is a must for all construction professionals as well as those aspiring to be construction industry professionals.

Key features

- AutoLISP - Build and run AutoLISP with Visual LISP IDE to streamline workflows through automation.

- Smart Blocks - Automatically place blocks based on previous placements or quickly find and replace existing blocks.

- Autodesk Assistant - Use conversational AI to quickly access helpful AI-generated support and solutions related to AutoCAD.

- My Insights - Complete projects faster with helpful features, macros, and tips personalized for you.

- Activity Insights - Access and track essential design data using detailed multi-user event logs with version history.

- Markup Import and Markup Assist - Consolidate revisions and feedback captured on paper or PDFs to compare, review, and automate updates.

Key features

- Push to Autodesk Docs - Publish your CAD drawing sheets as PDFs directly from AutoCAD to Autodesk Docs.

- AutoCAD anytime, anywhere - Capture, share, and review ideas on the go with one AutoCAD experience on desktop, web, and mobile.

- Trace - Safely review and add feedback directly to a DWG file without altering the existing drawing.

- Conceptualize in 2D and 3D - Design with 2D drafting tools and model in 3D with realistic lighting and materials to render your ideas.

- Autodesk App Store and APIs - Customize AutoCAD with APIs to build custom automations and access 1,000+ third-party apps.

Course Content

AutoCAD 2D

- Getting Started
  - ✓ Concepts
  - ✓ Starting AutoCAD
  - ✓ Drawing Editor
  - ✓ Command entry
  - ✓ Drawing aids
  - ✓ Customizing screens
- Basic Drawing Set up
- Advanced drawing set up
- Layout & v points
- Printing & Plotting

Course Content

AutoCAD 3D

- 3D Foundations

- Simple Solids

- Working with the user

- Coordinate System

- Creating Solids & Surfaces from 2D objects

- Modifying in 3D Space

- Advanced Solid Editing

- Additional Editing Tools

- Refining the View

- Point Clouds

- Visualization

- Working Drawing from 3D Models

Who can join?

This course is ideal for:

- Newcomers to AutoCAD and CAD drawing.

- Users with the little AutoCAD experience.

- Users who have previously used a different CAD tool and wish to switch to AutoCAD.

- Students who wish to pursue a career in draftsman, quantity surveying, construction industry, engineering industry.

TIBET CAMPUS

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