JADAVPUR UNIVERSITY
COMPUTER AIDED DESIGN CENTRE
Faculty Council of Engineering and Technology
Kolkata - 700 032

Winter/Summer Training on
AutoCAD

Computer Aided Design/Drafting (CAD) has emerged as a proven design and maintenance tool in almost all engineering and manufacturing fields. It helps the production of a drawing and design with a significant speed-up and accuracy. The technology driven competitive environment in today's market place is compelling design/consulting engineering firms and manufacturing companies to seek CAD conversion of their existing papers based engineering documents. AutoCAD developed by Autodesk Inc., is the most popular PC-based CAD (Computer Aided Drafting) system available in the market. Nearly 1.8 million people in 80 countries around the world are using AutoCAD to generate various kinds of drawing. It is very user-friendly, and most popular for any type of engineering drawing. To fully appreciate it's benefits, you should think of AutoCAD as not just fancy drafting tool, but a means of modeling a design on the computer. AutoCAD offers a higher level of speed, accuracy and easy to use. It has provided drawing accuracy of 16 decimal places. It is compliant with ISO (International Standards Organization).

Course Duration: Total 40 hrs
Class Duration: 2 hrs each

Eligibility: Engg. Degree / Diploma (at least 1st year passed)/ 1 year Draughtsmanship certificate from ITI or equivalent/AMIE or students of Section B. Participants must have mobile devices running Android 4.0.3 or above; laptop/desktop computer with Windows; and stable internet connectivity. Google Meet should be preinstalled in the mobile device.

Course Content:

Topic	Class Duration
Introduction to AutoCAD, Line, Circle, Point, Pointstyle, Regen, Rectangale, Dist, ID command, Object Snap, Erase, Undo, Redo, Text, Multiline text, Text style, Text Editing, Limits.	8 hrs. (4 days)
Arc, Polygon, Ellipse, Pline, hatch and Hatchedit, Offset, Fillet, Chamfer, Trim, Extend, Break, Object selection, Zoom, Pan.	8 hrs. (4 days)
Linetype, LTscale, Layer Properties, Modify Properties, Match Properties, Copy, Move, Scale, Rotate, Mirror, Array, MVSetup.	8 hrs. (4 days)
Lengthen, Stretch, Divide, Measure, Block, Explode, Design Centre, Dimension and Dimension Style.	8 hrs. (4 days)
Multi-scale Drawing, Drawing Template, Industrial drawing techniques, Printing.	8 hrs. (4 days)

Examination: Online Examination will be conducted at the end of the course.
Certificate: Completion certificate (in printed form) will be provided at the end of the course.