

Certificate Course in CAD, Drafting and 3D Modelling

Objective of the Course

The course is aimed at giving exposure to and enhancing the knowledge and skills of engineers involved in CAD packages and for those who want to provide training to others in this area. It gives exposure and on hand experience in the field of CAD, 3D Modelling and AutoLISP.

Learning Outcomes:

The participants will be able to:

- Understand the concepts of CAD and CAD tools
- Design and draft 2D and 3D models,
- Understand concepts 3D Modelling: Concepts, Wireframe, Surface, and Solid Modeling
- Write AutoLISP programs

Expected Job Roles:

AutocAD Programmer

Duration of the Course (in hours) 120 hrs

Appr. Fees (INR): Rs. 11,500/- (Service Tax Extra)

Minimum eligibility criteria and prerequisites if any a. BE /B.Tech in Mechanical/Production Engineering or equivalent
 b. Candidates who have appeared in the qualifying examination and awaiting results may also apply

Outline of the Course

S. No	Topic	Minimum No. of Hours
1.	Computer Aided Design • Fundamentals of CAD, 2D Modelling, • 3D Modelling: Concepts, Wireframe, Surface, and Solid Modelling , Auto LISP	120
	Theory/ Lecture Hours:	30
	Practical/ Tutorial Lecture Hours:	90 (including project)
	Total Hours:	120

Books recommended for REFERENCE

reference and reading:

1. Automation, Production Systems, and Computer –Integrated Manufacturing by Mikell P. Groover
2. CAD/CAM Principles, Practice and Manufacturing Management by Chris McMahan and Jimmie Browne.
3. Manuals of AutoCAD

In addition manufacturer's device data sheets and application notes are to be

Short Term Courses – NIELIT

referred to get practical application oriented information.

Group Code: CADD

Group Name: AutoCad / Instrumentation

Course Code: CP01

Course Name: Certificate Course in CAD, Drafting and 3D Modelling