



COURSE OUTLINE

- **Module 1: Introduction to AutoCAD interface and tools. (3 Classes)**
- **Module 2: Basic 2D drawing and editing commands. (3 Classes)**
- **Module 3: Advanced 2D drawing and annotations. (6 Classes)**
- **Module 4: Introduction to 3D modeling. (3 Classes)**
- **Module 5: Advanced 3D modeling and rendering. (6 Classes)**
- **Module 6: Introduction to AUTOLISP and its application (4 Classes)**
- **Industrial Drawing Practice (6 Classes)**
- **Examination: Theory Test (1 Class) + Practical Test (1 Class)**
- **Valedictory**

Introduction to AutoCAD

SUBJECT TEACHER: DR. PARTHA HALDAR

Assistant Professor of Mechanical Engineering

4 month Certification Course on Introduction to AutoCAD.
August - November, 2024



GOVERNMENT COLLEGE OF ENGINEERING AND CERAMIC TECHNOLOGY.



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Background

Computer Aided Design/Drafting (CAD) has emerged as a proven design and maintenance tool in almost all engineering and manufacturing fields.

- CAD helps the production of a drawing and design with a significant speed and accuracy.
- AutoCAD developed by Autodesk Inc., is the most popular PC-based CAD system available in the market.
- It is very user-friendly, and most popular for any type of engineering drawing.
- AutoLISP is an integral part of the AutoCAD package. With AutoLISP, the engineer or draftsman can write powerful macros and functions.



Course Outcome

- Students will be able to:
- CO1: Describe the fundamental concepts and features of AutoCAD and AUTOLISP.
- CO2: Identify the commands or tools required to complete any working drawing
- CO3: Create working drawings using the AutoCAD interface.

Course Plan

• Eligibility

- Students Passed out/ undergoing Engineering Degree / Diploma
- 1 Year Draftsmanship certificate from I.T.I or equivalent
- A.M.I.E. students/ 2 Year Drafting Experience
- Anyone interested in AutoCAD

• Duration

- 4 MONTHS (33 Classes each of 2 hours)



Course Fee

- Rs. 5000/- (total)

Number of students

- 15 ONLY (First come first serve basis)

Class room

- CSE computer Lab in the Annex II building (20+ computers are ready with the AUTOCAD software)

Class Plan

- SATURDAY (OFFLINE MODE)

To get admission fill the Google form

<https://forms.gle/nQerZX8rk3z2Cwqb7>