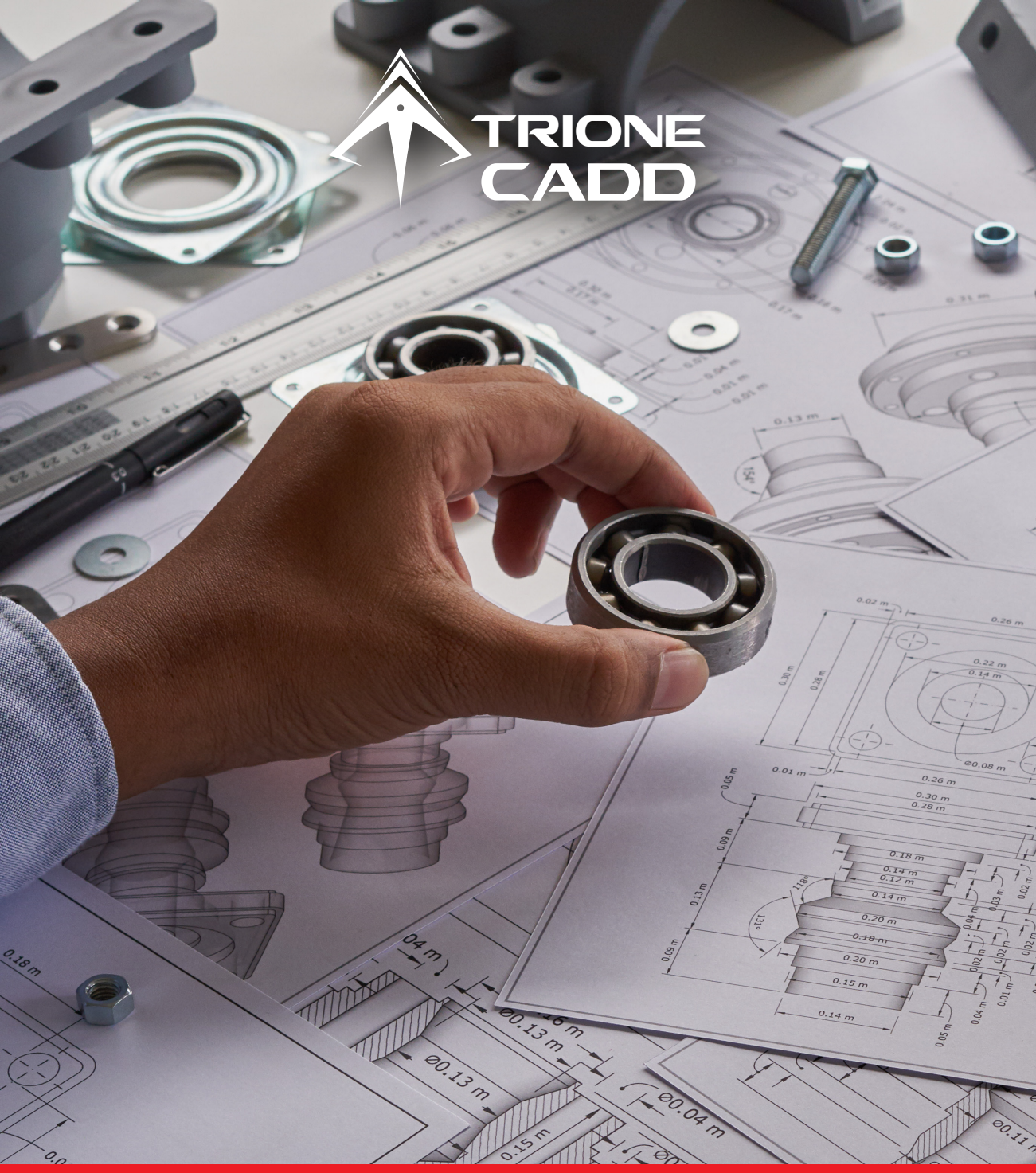


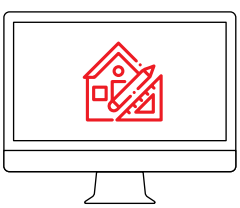
AutoCAD Mechanical

Computer Aided Design (CAD)application that architects, engineers rely on to create precise 2D Drawings

AutoCAD Mechanical 2021

AutoCAD is computer-aided design (CAD) software used to create 2D and 3D drawings. AutoCAD helps architects, engineers, construction professionals for creating a precise drawings with powerful drafting tools. AutoCAD includes industry-specific fe atures and intelligent objects for architecture, mechanical engineering, electrical design and more.AutoCAD Mechanical design software is AutoCAD software built for manufacturing.

Part of the Digital Prototyping solution, it includes all the functionality of AutoCAD, plus libraries of standards-based parts and tools to help automate common mechanical CAD tasks and accelerate the mechanical design process. By using AutoCAD Mechanical, students and engineers can do design faster with an industry-specific toolset for mechanical engineering, including 700,000+ intelligent parts and features.



Basic Construction and Modifying Tools

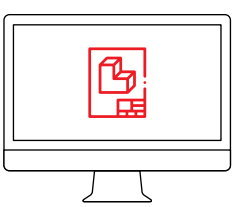
In this level, students will learn the basics of 2D drafting and how to create and edit a drawing with basic creation & modifying tools

Parametric Sketching and Productivity Tools

In this level, students will learn how to create parametric sketches for the ease of 2D drafting and they will know how to effectively do the documentation with variety of productivity tools.

Advanced Sketching and Modifying Tools

At this level, some additional, as well as much-needed sketching and Editing tools will be helpful in creating and modifying 2D drawings.



Isometric Drawing

Finally, in level 4, students will learn how to create and edit Isometric drawings in AutoCAD 2021

Syllabus

Basic Construction and Modifying Tools

Lecture 1 : Introduction to AutoCAD
Lecture 2 : Getting Started with AutoCAD
Lecture 3 : Getting started with Advanced Sketching
Lecture 4 : Working with Drawing Aids
Lecture 5 : Editing Sketched Objects-I
Lecture 6 : Editing Sketched Objects-II
Lecture 7 : Creating Texts and Tables
Lecture 8 : Basic Dimensioning, Geometric Dimensioning
Lecture 9 : Editing Dimensions
Lecture 10 : Dimension Styles, Multileader Style

Parametric Sketching and Productivity Tools

Lecture 11 : Adding Constraints to Sketches
Lecture 12 : Hatching Drawings
Lecture 13 : Model Space Viewports, Paper Space View ports & Layouts
Lecture 14 : Working with Blocks
Lecture 15 : Block Attributes
Lecture 16 : External References
Lecture 17 : Layers

Advanced Sketching and Modifying Tools

Lecture 18 : Advanced Drawing Options
Lecture 19 : Grouping & Advanced Editing of sketched Objects

Isometric Drawing

Lecture 20 : Isometric Drawing

Productivity Tools

AutoCAD Mechanical offers many drawing enhancements. Many of these productivity tools offer immediate benefits to manufacturing designers currently using AutoCAD

Basically, a layout in AutoCAD represents a 2d space where the user can determine the size of the drawing board and edit the title block and view multiple scenes of the object at the same time

Layout

Parametric drawing is a technology that is used for designing with constraints, which are associations and restrictions applied to 2D geometry

Parametric Sketch

layers

Layers organize your drawing, enabling you to temporarily suppress the display of unneeded graphical data. You can also assign default properties such as color and linetype to each layer.

Attributes

An attribute is a label or tag that attaches data to a block. They can also be used to extract information into a database or table format.

You can associate more than one attribute with a block, provided that each attribute has a different tag

Eterternal Reference

Certain information in a design is used repeatedly, whether it be grids, plans, furniture or structural elements. This information could be drawn in each file but if changes need to be made, they will need to be amended in all the files. Referencing provides a way of creating a single file which can then be “externally referenced” into multiple files.

Course Highlights

- Exclusively framed course syllabus covering all the key content of the drafting tool.
- 20 Lectures scheduled with the duration of 30 hours to impart effective training to the students.
- Experienced staffs, certified by the Quality Enhancement Team are engaged in training the students.
- Unique Workbooks with exercises and tutorials covering the prominent tools in a detailed manner.
- 3 Level CADD examinations help the students to recall all the tools, concepts periodically.
- Internationally valid certificate.

Pre-requisites

Desktop / Laptop / Table
Windows 8 or 10 operating system
Intel i5 or equivalent processor
Minimum 4 GB of RAM
Internet with good download speed
Microphone / Webcam

TRIONE CADD

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