

AutoCAD

Introduction:

Computer Aided Drafting is a process of preparing a drawing of an object on the screen of a computer. There are various types of drawings in different fields of engineering and sciences. In the fields of mechanical or aeronautical engineering, the drawings of machine components and the layouts of them are prepared. In the field of civil engineering, plans and layouts of the buildings are prepared. In the field of electrical engineering, the layouts of power distribution system are prepared. In all fields of engineering use of computer is made for drawing and drafting.

The use of CAD process provides enhanced graphics capabilities which allows any designer to

- Conceptualize his ideas
- Modify the design very easily
- Perform animation
- Make design calculations
- Use colors, fonts and other aesthetic features.

AUTO CAD:

Auto CAD package is suitable for accurate and perfect drawings of engineering designs. The drawing of machine parts, isometric views and assembly drawings are possible in AutoCAD. The Auto CAD design package is a very powerful tool to prepare desired drawings. According to instructions given by mouse or keyboard etc. it prepares drawings to the scale. Auto CAD prepares exact, precise, neat and clean drawings. Drawings prepared by Auto CAD looks better than manually prepared drawings. Auto CAD provides facility to correct errors, to increase or

Diploma In Mechanical Engineering Autocad Lab Manual

David Kirk

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Paper ,1991 Summary Progress Report Synthesis Coalition,1994 **Winter Annual Meeting** American Society of Mechanical Engineers, Subject Guide to Books in Print ,1993 **Computer-Aided Graphics and Design** Daniel L. Ryan,2018-12-19 This text now in its third edition presents all common methods of computer automated graphical construction most helpful to the engineering student draftsperson or designer describing in easy to understand terms a wide range of hardware platforms that will run a single set of software options from the Autodesk Corporation Rewritten and illustrated with over 330 tables drawings and photographs this is a vital reference for all mechanical electrical and electronics manufacturing software civil and architectural engineers engineering designers and drafters and industrial illustrators and asrtisits A definitve text on the subject for students familiar with LISP in undergraduate courses

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