

ENGINEERING DRAWING AND DESIGN LAB

SUBJECT CODE- 18B15GE111

Engineering drawing and Design is a prime subject in any Engineering curriculum. It is about graphical Language used by engineers. Engineering drawing is a two dimensional representation of three dimensional objects. In general, it provides necessary information about the shape, size, surface quality, material, manufacturing process, etc., of the object. It is the graphic language from which a trained person can visualise objects.

Engineering Drawing and Design Labs aims engineers to prepare them with appropriate knowledge of drawing and designs of geometrical patterns, objects and 3-D structures. They learn to construct the various magnificent mega structures or intricate machines. Technical drawing is the language of engineering and is, therefore, indispensable today.

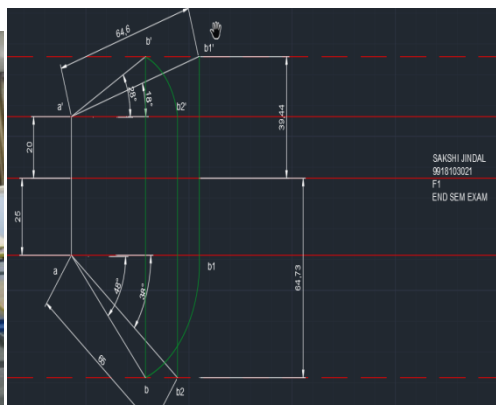
Role of Engineering Drawing and Design:-

The ability to read Drawing and Design is the most important requirement of all technical people in any profession. As compared to verbal or written description, this method is brief and clearer.

Some of the applications are: building drawing for civil engineers, machine drawing for mechanical engineers, circuit diagrams for electrical and electronics engineers, computer graphics for one and all.

The subject in general is designed to impart the following skills:-

1. Ability to read and prepare engineering drawings.
2. Ability to make free - hand sketching of objects and its different views.
3. Power to imagine, analyse and communicate.
4. Learnt about computer aided design (CAD) and Drafting software (AUTO- CAD).



AutoCAD is a commercial computer-aided design (CAD) and drafting software application. Developed and marketed by Autodesk. AutoCAD is used across a wide range of industries, by architects, project managers, engineers, graphic designers, town planners and many other professionals.