

Lecture Note-1

Engineering Drawing ME 208 for 1st Year of 4 Yr B.Tech Course, CU

Keywords: Communications, sketches, Drawings, Engineering Drawings.

Whenever we need to share our ideas or emotions to another person it may be termed as the communication. There are different ways of communications. However the communication of ideas through pictorial form is known as sketch. The communication of ideas through sketches is an age-old practice of mankind, even before we learn how to write the formal scripts. When we realize the need to communicate our ideas and explaining the shape of objects needed for day to day use, the formal sketches became drawings. When drawings are prepared with an aim to design and manufacture products, such drawing got classified as Engineering Drawing and Technical Drawing. Engineering Drawing speak about the geometrical features like shape, size, dimensions of an object along with its positional reference and orientations. Whereas Technical drawings add further detail information like tolerance on dimensions, the surface finish desired for manufacturing of the product. Thus Engineering drawings became the basic language of communication among engineers irrespective of the specializations like civil, mechanical, electrical, IT, CSE, ECE, IE etc. Engineering Drawing and drafting skill requires imagination and visualization power. At present we do practice few areas of Engineering drawing in manual drafting mode as our curriculum and course requirements. However we may use computers to draw engineering drawing in more accurate and preciously in less time using computer-aided drafting(CAD) software. Which is well known as AUTOCAD.

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