

Syllabus for the subject

of

ENGINEERING DRAWING

(For 3rd & 4th semester)

Under

CRAFTSMEN TRAINING SCHEME (CTS)

(For Textile Mechatronics)

Re-Designed in

2015

By

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Ministry of Skill Development & Entrepreneurship

Directorate General of Training

CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE

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Syllabus of Engineering Drawing for 3rd semester

For the trade of Textile Mechatronics

SL. No	Topics	Duration
1	Machined components; concept of fillet & chamfer; surface finish symbols.	63 hrs.
2	Screw thread, their standard forms as per BIS, external and internal thread, conventions on the features for drawing as per BIS.	
3	Free hand Sketches for bolts, nuts, screws and other screwed members.	
4	Free hand Sketching of foundation bolts and types of washers.	
5	Standard rivet forms as per BIS (Six types).	
6	Riveted joints-Butt & Lap (Drawing one for each type).	
7	Orthogonal views of keys of different types	
8	Free hand Sketches for simple pipe, unions with simple pipe line drawings.	
9	Concept of preparation of assembly drawing and detailing. Preparation of simple assemblies & their details of trade related tools/job/exercises with the dimensions from the given sample or models.	
10	Free hand sketch of trade related components / parts (viz., single tool post for the lathe, etc.)	
11	Study of assembled views of Vee-blocks with clamps.	
12	Study of assembled views of shaft and pulley.	

Syllabus of Engineering Drawing for 4th semester

For the trade of Textile Mechatronics

SL. No	Topics	Duration
1.	Free hand Details and assembly of simple bench vice.	63 hrs.
2	Reading of drawing. Simple exercises related to missing lines, dimensions. How to make queries	
3	Simple exercises relating missing symbols. Missing views	
4	Simple exercises related to missing section.	
5	Free hand sketching of different types of bearings and its conventional representation.	
6	Free hand sketching of different gear wheels and nomenclature.	
7	Simple exercises related to trade related symbols.	
8	Study of drawing & Estimation of materials.	
9	Basic electrical and electronic symbols	
10	Revision	
11	Examination	