

Syllabus for the subject

of

# **ENGINEERING DRAWING**

(For 3rd & 4th semester)

Under

**CRAFTSMEN TRAINING SCHEME (CTS)**

(For Painter General)

**Re-Designed in - 2015**

**By**

**Government of India**

**Ministry of Skill Development & Entrepreneurship**

**Directorate General of Training**

**CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE**

**Block - EN - 81 SECTOR - V, SALT LAKE CITY, KOLKATA - 700 091**

**3<sup>rd</sup> semester--- Engineering Drawing**  
**For the Trade of Painter General**

Sl. No.	Topics	Duration in Hours
1.	Projection – Introduction, principle, method of projection. Difference between third angle & first angle projection.	66
2.	Draw orthographic projections in III angle (simple to complex components).	
3.	Freehand isometric sketching from orthographic views.	
4.	Constructions of simple curves of inter penetration objects.	
5.	Development of surface of simple objects.	
6.	Freehand sketching of different types of welded joints related to the trade.	
7.	Freehand sketching of different pipe joint & flanged joints.	
8.	Freehand sketching of different shaft couplings with keys.	

**4<sup>th</sup> semester---- Engineering Drawing**  
**For the Trade of Painter General**

Sl. No.	Topics	Duration in Hours
1.	Free-hand sketching of simple objects related to the trade & preparation of simple working drawings from the sketches.	66
2.	Freehand sketching of simple assembled parts with colour.	
3.	Drawing of different pipe lines and paint as per colour code.	
4.	Freehand sketching of different machine bodies and paint as per colour code.	
5.	Freehand sketching of car body and colour shading practice.	
6.	Freehand sketching of building (interior & exterior)	
7.	Freehand sketching of building practice of different colour shading.	
8.	Freehand sketching of building (interior & exterior) and practice of different colour shading.	