

Discipline :MECHANICALENGG	Semester :3 <sup>RD</sup>	Name of the Teaching Faculty:MR MITHUN KUMAR KESHARI
Subject:MECHANICAL ENGG DRAWING	No. of days/per week class allotted:06	Semester From date : 01.09.2021 To Date:19.03.2021  No. of Weeks: 15
Week	Class Day	Theory / Practical Topics
1 <sup>ST</sup>	1 <sup>ST</sup>	Revision of Engineering Drawing of 1 <sup>st</sup> Year
	2 <sup>ND</sup>	Revision of Engineering Drawing of 1 <sup>st</sup> Year
	3 <sup>RD</sup>	Revision of Engineering Drawing of 1 <sup>st</sup> Year
	4 <sup>TH</sup>	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter (Minimum 5 Drawings).
	5 <sup>TH</sup>	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter (Minimum 5 Drawings).
	6 <sup>TH</sup>	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter (Minimum 5 Drawings).
2 <sup>ND</sup>	1 <sup>ST</sup>	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter (Minimum 5 Drawings).
	2 <sup>ND</sup>	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter (Minimum 5 Drawings).
	3 <sup>RD</sup>	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter (Minimum 5 Drawings).
	4 <sup>TH</sup>	Bolt, nut and threads
	5 <sup>TH</sup>	Bolt, nut and threads
	6 <sup>TH</sup>	Bolt, nut and threads
3 <sup>RD</sup>	1 <sup>ST</sup>	Bolt, nut and threads
	2 <sup>ND</sup>	Bolt, nut and threads
	3 <sup>RD</sup>	Bolt, nut and threads
	4 <sup>TH</sup>	Bolt, nut and threads
	5 <sup>TH</sup>	Bolt, nut and threads
	6 <sup>TH</sup>	Bolt, nut and threads
4 <sup>TH</sup>	1 <sup>ST</sup>	Cotter joint
	2 <sup>ND</sup>	Cotter joint
	3 <sup>RD</sup>	Cotter joint
	4 <sup>TH</sup>	Cotter joint
	5 <sup>TH</sup>	Cotter joint
	6 <sup>TH</sup>	Cotter joint
5 <sup>TH</sup>	1 <sup>ST</sup>	Cotter joint
	2 <sup>ND</sup>	Cotter joint
	3 <sup>rd</sup>	Cotter joint
	4 <sup>TH</sup>	Knuckle joint
	5 <sup>TH</sup>	Knuckle joint
	6 <sup>TH</sup>	Knuckle joint
6 <sup>TH</sup>	1 <sup>ST</sup>	Knuckle joint

	2 <sup>ND</sup>	Knuckle joint
	3 <sup>RD</sup>	Knuckle joint
	4 <sup>TH</sup>	Rigid pedestal bearing
	5 <sup>TH</sup>	Rigid pedestal bearing
	6 <sup>TH</sup>	Rigid pedestal bearing
7 <sup>TH</sup>	1 <sup>ST</sup>	Rigid pedestal bearing
	2 <sup>ND</sup>	Rigid pedestal bearing
	3 <sup>RD</sup>	Rigid pedestal bearing
	4 <sup>TH</sup>	Foot step bearing
	5 <sup>TH</sup>	Foot step bearing
	6 <sup>TH</sup>	Foot step bearing
8 <sup>TH</sup>	1 <sup>ST</sup>	Foot step bearing
	2 <sup>ND</sup>	Foot step bearing
	3 <sup>RD</sup>	Foot step bearing
	4 <sup>TH</sup>	Foot step bearing
	5 <sup>TH</sup>	Foot step bearing
	6 <sup>TH</sup>	Foot step bearing
9 <sup>TH</sup>	1 <sup>ST</sup>	Simple Screw jack
	2 <sup>ND</sup>	Simple Screw jack
	3 <sup>RD</sup>	Simple Screw jack
	4 <sup>TH</sup>	Simple Screw jack
	5 <sup>TH</sup>	Simple Screw jack
	6 <sup>TH</sup>	Simple Screw jack
10 <sup>TH</sup>	1 <sup>ST</sup>	Simple Screw jack
	2 <sup>ND</sup>	Simple Screw jack
	3 <sup>RD</sup>	Simple Screw jack
	4 <sup>TH</sup>	Connecting rod of IC Engine
	5 <sup>TH</sup>	Connecting rod of IC Engine
	6 <sup>TH</sup>	Connecting rod of IC Engine
11 <sup>TH</sup>	1 <sup>ST</sup>	Connecting rod of IC Engine
	2 <sup>ND</sup>	Connecting rod of IC Engine
	3 <sup>RD</sup>	Connecting rod of IC Engine
	4 <sup>TH</sup>	Boiler safety valve
	5 <sup>TH</sup>	Boiler safety valve
	6 <sup>TH</sup>	Boiler safety valve
12 <sup>TH</sup>	1 <sup>ST</sup>	Boiler safety valve
	2 <sup>ND</sup>	Boiler safety valve
	3 <sup>RD</sup>	Boiler safety valve
	4 <sup>TH</sup>	Boiler safety valve
	5 <sup>TH</sup>	Boiler safety valve
	6 <sup>TH</sup>	Boiler safety valve
13 <sup>TH</sup>	1 <sup>ST</sup>	Spring loaded valve
	2 <sup>ND</sup>	Spring loaded valve
	3 <sup>RD</sup>	Spring loaded valve
	4 <sup>TH</sup>	Spring loaded valve
	5 <sup>TH</sup>	Spring loaded valve
	6 <sup>TH</sup>	Spring loaded valve
14 <sup>TH</sup>	1 <sup>ST</sup>	Hydraulic non return valve
	2 <sup>ND</sup>	Hydraulic non return valve

	3 <sup>RD</sup>	Hydraulic non return valve
	4 <sup>TH</sup>	Hydraulic non return valve
	5 <sup>TH</sup>	Hydraulic non return valve
	6 <sup>TH</sup>	Hydraulic non return valve
15 <sup>TH</sup>	1 <sup>ST</sup>	Flat belt pulley
	2 <sup>ND</sup>	Flat belt pulley
	3 <sup>RD</sup>	Flat belt pulley
	4 <sup>TH</sup>	Flat belt pulley
	5 <sup>TH</sup>	Flat belt pulley
	6 <sup>TH</sup>	Flat belt pulley

### **Learning Resouces:**

01. Machine Drawing by N D Bhatt, Charotar Publisher
02. Machine Drawing by R K Dhawan, S. Chand

**Mr. Mithun Kumar Keshari**  
**Lecturer in Mech. Engg.**  
**GP Puri**