

**GOVT. POLYTECHNIC, NAYAGARH**  
**3<sup>TH</sup> SEMESTER MECHANICAL ENGINEERING (2024-25)**  
**SUBJECT – MECHANICAL ENGG. DRAWING**  
**NAME OF FACULTY- HIMANSHU PATRA, GF (MECH. ENGG.)**  
**RAMYA RASHMI ROUT, GF (MECH. ENGG.)**

SL NO.	WEEK	DAY	TOPICS TO BE COVERED
1.	1st	1st	Revision of Engineering Drawing of 1st Year
		2nd	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter
2.	2nd	1st	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter
		2nd	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter
3.	3rd	1st	Engineering drawing of fastening elements in first angle orthographic Projection
		2nd	First angle projection of Bolt
4.	4th	1st	First angle projection of nut
		2nd	First angle projection of threads
5.	5th	1st	Cotter joint
		2nd	Cotter joint
6.	6th	1st	Knuckle joint
		2nd	Knuckle joint
7.	7th	1st	Details to assembly
		2nd	Rigid pedestal bearing
8.	8th	1st	Rigid pedestal bearing
		2nd	Foot step bearing
9.	9th	1st	Foot step bearing
		2nd	Simple Screw jack
10.	10th	1st	Simple Screw jack
		2nd	Assembly to details

11.	11th	1st	Connecting rod of IC Engine
		2nd	Connecting rod of IC Engine
12.	12th	1st	Boiler safety valve
		2nd	Boiler safety valve
13.	13th	1st	Spring loaded valve
		2nd	Spring loaded valve
14.	14th	1st	Hydraulic non return valve
		2nd	Hydraulic non return valve
15.	15th	1st	Flat belt pulley
		2nd	Flat belt pulley

of Himanshu Duba, Lect (HF), Mech,  
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