

GOVT. POLYTECHNIC, NAYAGARH
3TH 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	1 st	Revision of Engineering Drawing of 1st Year
		2 nd	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter
2.	2nd	1 st	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter
		2 nd	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter
3.	3rd	1 st	Engineering drawing of fastening elements in first angle orthographic Projection
		2 nd	First angle projection of Bolt
4.	4th	1 st	First angle projection of nut
		2 nd	First angle projection of threads
5.	5th	1 st	Cotter joint
		2 nd	Cotter joint
6.	6th	1 st	Knuckle joint
		2 nd	Knuckle joint
7.	7th	1 st	Details to assembly
		2 nd	Rigid pedestal bearing
8.	8th	1 st	Rigid pedestal bearing
		2 nd	Foot step bearing
9.	9th	1 st	Foot step bearing
		2 nd	Simple Screw jack
10.	10th	1 st	Simple Screw jack
		2 nd	Assembly to details

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

of Linanshu Adha, Lect (HF), Mech.
 Lamya Rashmi Pant, Lect. (KF) mech