

# GOVT. POLYTECHNIC, NAYAGARH

6TH SEMESTER, MECHANICAL ENGINEERING (2025-26)

SUBJECT:- Pr 2. POWER STATION ENGINEERING LAB

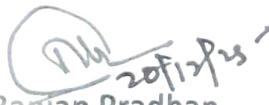
Semester from 22.12.25 to 18.04.26

Total Periods -60, Practical Periods- 4P/WEEK

NAME OF FACULTY:- Sri Saurav Ranjan Pradhan

Sl. No.	Week	Day	Topics to be covered
1	1ST	1st	To study the modern steam power plant with model
		2nd	To study the modern steam power plant with model
Sl. No.	Week	Day	Topics to be covered
2	2ND	1st	To study the modern steam power plant with model
		2nd	To determine the various efficiencies of steam turbine
Sl. No.	Week	Day	Topics to be covered
3	3RD	1st	To determine the various efficiencies of steam turbine
		2nd	To determine the various efficiencies of steam turbine
Sl. No.	Week	Day	Topics to be covered
4	4TH	1st	To study the cooling tower
		2nd	To study the cooling tower
Sl. No.	Week	Day	Topics to be covered
5	5TH	1st	To study the cooling tower
		2nd	Study of jet condenser
Sl. No.	Week	Day	Topics to be covered
6	6TH	1st	Study of jet condenser
		2nd	Study of jet condenser
Sl. No.	Week	Day	Topics to be covered
7	7TH	1st	Study of De-level turbine
		2nd	Study of De-level turbine
Sl. No.	Week	Day	Topics to be covered
8	8TH	1st	Study of De-level turbine

Sl. No.	Week	Day	Topics to be covered
		2nd	To study the spring loaded safety valve
9	9TH	1st	To study the spring loaded safety valve
		2nd	To study the spring loaded safety valve
10	10TH	1st	To study the steam generator (boiler) model:- Lancashire boiler
		2nd	To study the steam generator (boiler) model:- Lancashire boiler
11	11TH	1st	To study the steam generator (boiler) model:- Lancashire boiler
		2nd	To study the steam generator (boiler) model:- Cornish boiler
12	12TH	1st	To study the steam generator (boiler) model:- Cornish boiler
		2nd	To study the steam generator (boiler) model:- Cornish boiler
13	13TH	1st	To study the steam generator (boiler) model:- Babcock & Wilcox Boiler
		2nd	To study the steam generator (boiler) model:- Babcock & Wilcox Boiler
14	14TH	1st	To study the steam generator (boiler) model:- Babcock & Wilcox Boiler
		2nd	To study the steam generator (boiler) model:- Vertical water tube boiler
15	15TH	1st	To study the steam generator (boiler) model:- Vertical water tube boiler
		2nd	To study the steam generator (boiler) model:- Vertical water tube boiler

  
 Saurav Ranjan Pradhan  
 Sr. Lect., Mechanical Engg.