



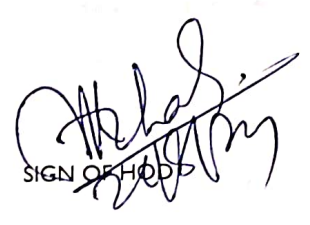
GOVERNMENT POLYTECHNIC, NABARANGAPUR
DEPARTMENT OF MECHANICAL ENGINEERING

Discipline: ELECTRICAL ENGG.	Semester: 3 RD	Name of the Teaching Faculty: Deepak Ranjan Pattnaik
Subject: M.E. LAB	No. of days/per week class allotted: 3	Semester From date: 16.08.2024 To Date: 08.11.2024 No. of weeks: 15
Week	Class Day	Theory/Practical Topics
1 ST	1-3	Study the universal testing m/c and determination of tensile stress and young's modulus of m.s specimen
2 ND	1-3	Determination of M.A, V.R, and efficiency of screw jack
3 RD	1-3	Model study of centrifugal pump, Kaplan turbine, francis turbine, pelton turbine
4 TH	1-3	Determination of Young's modulus by Searle's Apparatus
5 TH	1-3	Study of Cochran boiler
6 TH	1-3	Study of pressure measuring devices such as a) piezo-meter, b) simple manometer
7 TH	1-3	Study of venturymeter .
8 TH	1-3	Verification of bernoullis theorem
9 TH	1-3	Verification of bernoullis theorem
10 TH	1-3	Study and demonstration of steam engine.
11 TH	1-3	Study and demonstration of diesel engine
12 TH	1-3	Study and demonstration of petrol engine

Deepak ranjan pattnaik.
14/08/2024

SIGN OF FACULTY CONCERNED

ACADEMIC COORDINATOR


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