

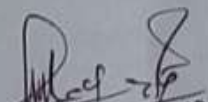


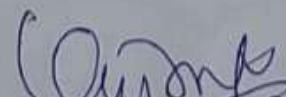
GOVERNMENT POLYTECHNIC, NABARANGAPUR
DEPARTMENT OF MECHANICAL ENGINEERING

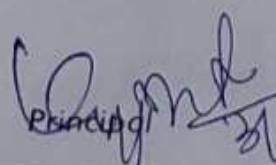
Discipline: MECHANICAL ENGG	Semester: 3 rd	Name of the Teaching Faculty: DEEPAK RANJAN PATTNAIK	
Subject: ME LAB-1	No. of days/per week class allotted: 4	Semester From date: 1.08.2023	To Date:
		No. of Weeks: 15	
Week	Class/Day	Theory/Practical Topics	
1 ST	1-2	Determination end reactions in a simply supported beam using parallel force apparatus	
	3-4	Determination end reactions in a simply supported beam using parallel force apparatus	
2 ND	1-2	SESSIONAL	
	3-4	Determination of young's modulus using Searles apparatus	
3 RD	1-2	Determination of young's modulus using Searles apparatus	
	3-4	SESSIONAL	
4 TH	1-2	Determination of Torsional rigidity of the shaft using torsion testing machine	
	3-4	Determination of Torsional rigidity of the shaft using torsion testing machine	
5 TH	1-2	SESSIONAL	
	3-4	Determination of salient points (young's modulus, yield point, fracture point) from stress strain curve using UTM	
6 TH	1-2	Determination of salient points (young's modulus, yield point, fracture point) from stress strain curve using UTM	
	3-4	Determination of salient points (young's modulus, yield point, fracture point) from stress strain curve using UTM	
7 TH	1-2	SESSIONAL	
	3-4	Determination of hardness number by using Rockwell/Vickers hardness testing machine	
8 TH	1-2	Determination of hardness number by using Rockwell/Vickers hardness testing machine	

	3-4	SESSIONAL
9 TH	1-2	Determination of toughness using impact testing machine (charpy/lizod)
	3-4	Determination of toughness using impact testing machine (charpy/lizod)
10 TH	1-2	Determination of toughness using impact testing machine (charpy/lizod)
	3-4	SESSIONAL
11 TH	1-2	Determination of flash point and fire point
	3-4	Determination of flash point and fire point
12 TH	1-2	Determination of flash point and fire point
	3-4	SESSIONAL
13 TH	1-2	Joules experiment
		Joules experiment
14 TH		Joules experiment
	3-4	SESSIONAL
15 TH		FINAL RECORD SUBMISSION
		FINAL RECORD SUBMISSION

Deepak ranjan pattnaik.
1.08.2023
Sign. Of Faculty concerned


Academic Coordinator
31/7/23


H.O.D.
31/7/23


Principal
31/7/23