



GOVERNMENT POLYTECHNIC, NABARANGAPUR
DEPARTMENT OF AUTOMOBILE ENGINEERING

Discipline: AUTOMOBILE ENGG	Semester: 3 rd	Name of the Teaching Faculty: KIRAN KUMAR BEHERA
Subject: ME LAB-1	No. of days/pe rweek class allotted: 4	Semester From date: 16.08.2024 To Date: 08.11.2024 No. of Weeks: 12
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	SESSIONAL
5 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
6 TH	1-2	SESSIONAL
	3-4	Determination of hardness number by using Rockwell/Vickers hardness testing machine
7 TH	1-2	SESSIONAL
	3-4	Determination of toughness using impact testing machine (charpy/izod)
8 TH	1-2	Determination of toughness using impact testing machine (charpy/izod)

	3-4	SESSIONAL
9 TH	1-2	Determination of flash point and fire point
	3-4	Determination of flash point and fire point
10 TH	1-2	SESSIONAL
	3-4	Joules experiment
11 TH	1-2	Joules experiment
	3-4	SESSIONAL
12 TH	1-2	FINAL RECORD SUBMISSION
	3-4	FINAL RECORD SUBMISSION

Yiray Z. Behra
Sign. Of Faculty concerned

Academic Coordinator

Dayle
H.O.D

Principal , GP Nabarangpur