GOVERNMENT POLYTECHNIC,NABARANGAPUR

DEPARTMENT OF MECHANICAL ENGINEERING

Discipline: MECHANICAL ENGG	Semester: 3rd	Name of the Teaching Faculty: Er. Mithun Kumar Keshari
Subject: ME LAB-I	No. of days/pe rweek class allotted: 4	Semester From date:21.08.2024 To Date:08.11.2024 No.ofWeeks:12
Week	**Class/Day**	**Theory/Practical Topics**
1ST	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
2ND	1-2	SESSIONAL
	3-4	Determination of young's modulus using Searles apparatus
3RD	1-2	Determination of young's modulus using Searles apparatus
	3-4	SESSIONAL
4TH	1-2	Determination of Torsional rigidity of the shaft using torsion testing machine
	3-4	SESSIONAL
5TH	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
6TH	1-2	SESSIONAL
	3-4	Determination of hardness number by using Rockwell/Vickers hardness testing machine
7TH	1-2	SESSIONAL
	3-4	Determination of toughness using impact testing machine (charpy/izod)

8TH	1-2	Determination of toughness using impact testing machine (charpy/izod)
	3-4	SESSIONAL
9TH	1-2	Determination of flash point and fire point
	3-4	Determination of flash point and fire point
10TH	1-2	SESSIONAL
	3-4	Joules experiment
11TH	1-2	Joules experiment
	3-4	SESSIONAL
12TH	1-2	FINAL RECORD SUBMISSION
	3-4	FINAL RECORD SUBMISSION

21/08/2024

Sign. Of Faculty concerned

21/08/24

Academic Coordinator

21/8/2024

H.O.D

21.08.24

Principal, GP Nabarangpur