



GOVERNMENT POLYTECHNIC, NABARANGAPUR
DEPARTMENT OF MECHANICAL ENGINEERING

Discipline: MECHANICAL ENGG	Semester: 4 th	Name of the Teaching Faculty:
Subject: ME LAB- I I	No. of days/per week class allotted: 6	Semester From date: _____ To Date: _____ No. of Weeks: 15
Week	Class Day	Theory/Practical Topics
1 ST	1-3	To study of 2-s & 4-s petrol and diesel engine
	4-6	To study of 2-s & 4-s petrol and diesel engine
2 ND	1-3	To study of 2-s & 4-s petrol and diesel engine
	4-6	Determine the B.T.E of single cylinder petrol engine
3 RD	1-3	Determine the B.T.E of single cylinder petrol engine
	4-6	Determine the B.T.E of single cylinder diesel engine
4 TH	1-3	Determine the B.T.E of single cylinder diesel engine
	4-6	Determine the B.H.P, I.H.P, BSFC of a multi cylinder engine by morse test
5 TH	1-3	Determine the B.H.P, I.H.P, BSFC of a multi cylinder engine by morse test
	4-6	Determine the B.H.P, I.H.P, BSFC of a multi cylinder engine by morse test
6 TH	1-3	Determine the mechanical efficiency of an air compressor
	4-6	Determine the mechanical efficiency of an air compressor
7 TH	1-3	Study of pressure measuring devices (manometer, bourdon tube pressure gauge)
	4-6	Study of pressure measuring devices (manometer, bourdon tube pressure gauge)
8 TH	1-3	Study of pressure measuring devices (manometer, bourdon tube pressure gauge)

	4-6	<i>Verification of bernoullis theorem</i>
9 TH	1-3	<i>Verification of bernoullis theorem</i>
	4-6	<i>Verification of bernoullis theorem</i>
10 TH	1-3	<i>Determination of Cd from venturimeter</i>
	4-6	<i>Determination of Cd from venturimeter</i>
11 TH	1-3	<i>Determination of Cd from venturimeter</i>
	4-6	<i>Determination of Cd from venturimeter</i>
12 TH	1-3	<i>Determination of Cc,Cv,Cd from orifice meter</i>
	4-6	<i>Determination of Cc,Cv,Cd from orifice m</i>
13 TH	1-3	<i>Determination of Cc,Cv,Cd from orifice m</i>
	4-6	<i>Determination of Cc,Cv,Cd from orifice m</i>
14 TH	1-3	<i>Determine darcy's coefficient from flow through pipe</i>
	4-6	<i>Determine darcy's coefficient from flow through pipe</i>
15 TH	1-3	<i>Determine darcy's coefficient from flow through pipe</i>
	4-6	<i>Determine darcy's coefficient from flow through pipe</i>

Principal