



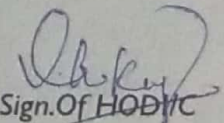
**GOVERNMENT POLYTECHNIC, NABARANGAPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

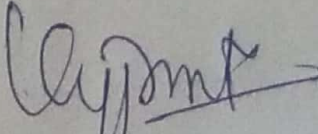
Discipline: <b>MECHANICAL ENGG</b>	Semester: 4 <sup>th</sup>	Name of the Teaching Faculty: <i>Deepak Ra. Pattnaik</i>
Subject: ME LAB-11	No. of days/per week class allotted: 6	Semester From date: <i>15.04.21</i> To Date: <i>13.08.21</i>  No. of Weeks: <i>15</i>
<b>Week</b>	<b>ClassDay</b>	<b>Theory/PracticalTopics</b>
<i>1<sup>ST</sup></i>	<i>1-3</i>	<i>To study of 2-s &amp; 4-s petrol and diesel engine</i>
	<i>4-6</i>	<i>To study of 2-s &amp; 4-s petrol and diesel engine</i>
<i>2<sup>ND</sup></i>	<i>1-3</i>	<i>To study of 2-s &amp; 4-s petrol and diesel engine</i>
	<i>4-6</i>	<i>Determine the B.T.E of single cylinder petrol engine</i>
<i>3<sup>RD</sup></i>	<i>1-3</i>	<i>Determine the B.T.E of single cylinder petrol engine</i>
	<i>4-6</i>	<i>Determine the B.T.E of single cylinder diesel engine</i>
<i>4<sup>TH</sup></i>	<i>1-3</i>	<i>Determine the B.T.E of single cylinder diesel engine</i>
	<i>4-6</i>	<i>Determine the B.H.P, I.H.P, BSFC of a multi cylinder engine by morse test</i>
<i>5<sup>TH</sup></i>	<i>1-3</i>	<i>Determine the B.H.P, I.H.P, BSFC of a multi cylinder engine by morse test</i>
	<i>4-6</i>	<i>Determine the B.H.P, I.H.P, BSFC of a multi cylinder engine by morse test</i>
<i>6<sup>TH</sup></i>	<i>1-3</i>	<i>Determine the mechanical efficiency of an air compressor</i>
	<i>4-6</i>	<i>Determine the mechanical efficiency of an air compressor</i>
<i>7<sup>TH</sup></i>	<i>1-3</i>	<i>Study of pressure measuring devices (manometer, bourdon tube pressure gauge)</i>
	<i>4-6</i>	<i>Study of pressure measuring devices (manometer, bourdon tube pressure gauge)</i>
<i>8<sup>TH</sup></i>	<i>1-3</i>	<i>Study of pressure measuring devices (manometer, bourdon tube pressure gauge)</i>



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

Deepak Ra. Pathnaik  
 Sign. Of Faculty  
 concerned

  
 Sign. Of HOD/C

  
 Principal