

<b>Discipline: Mechanical Engineering</b>	<b>Semester : 5<sup>th</sup> Semester</b>	<b>Name of the Teaching Faculty: Miss.Shradha Suman Adabar</b>
<b>Subject: HM&amp;IFP Lab</b>	<b>No. of Days/week Class Allotted: 60</b>	<b>No of weeks: 18</b>
<b>week</b>	<b>Class Day</b>	<b>Practical Topics</b>
1 <sup>st</sup>	1 <sup>st</sup>	INTRODUCTION
	2 <sup>nd</sup>	Performance test on impulse turbine
2 <sup>nd</sup>	1 <sup>st</sup>	To find out the efficiency of impulse turbine
	2 <sup>nd</sup>	Performance test on Kaplan turbine
3 <sup>rd</sup>	1 <sup>st</sup>	To find out the efficiency of kaplan turbine
	2 <sup>nd</sup>	Performance test on Francis turbine
4 <sup>th</sup>	1 <sup>st</sup>	To find out the efficiency of Francis turbine
	2 <sup>nd</sup>	Performance test on centrifugal pump
5 <sup>th</sup>	1 <sup>st</sup>	To find out the characteristic curves
	2 <sup>nd</sup>	Direct operation of single acting pneumatic cylinder
6 <sup>th</sup>	1 <sup>st</sup>	Direct operation of double acting pneumatic cylinder
	2 <sup>nd</sup>	Operating double acting pneumatic cylinder with quick exhaust valve
7 <sup>th</sup>	1 <sup>st</sup>	Operating double acting pneumatic cylinder with quick exhaust valve
	2 <sup>nd</sup>	Operating double acting pneumatic cylinder with quick exhaust valve
8 <sup>th</sup>	1 <sup>st</sup>	Speed control double acting pneumatic cylinder using metering in and metering out circuits
	2 <sup>nd</sup>	Speed control double acting pneumatic cylinder using metering in and metering out circuits
9 <sup>th</sup>	1 <sup>st</sup>	Speed control double acting pneumatic cylinder using metering in and metering out circuits
	2 <sup>nd</sup>	Speed control double acting pneumatic cylinder using metering in and metering out circuits
10 <sup>th</sup>	1 <sup>st</sup>	Direct operation of single hydraulic cylinder
	2 <sup>nd</sup>	Direct operation of single hydraulic cylinder
11 <sup>th</sup>	1 <sup>st</sup>	Direct operation of single acting hydraulic cylinder
	2 <sup>nd</sup>	Direct operation of single acting hydraulic cylinder
12 <sup>th</sup>	1 <sup>st</sup>	Direct operation of double acting hydraulic cylinder
	2 <sup>nd</sup>	Direct operation of double acting hydraulic cylinder
13 <sup>th</sup>	1 <sup>st</sup>	Direct operation of double acting hydraulic cylinder
	2 <sup>nd</sup>	Direct operation of double acting hydraulic cylinder
14 <sup>th</sup>	1 <sup>st</sup>	Direct operation of hydraulic motor
	2 <sup>nd</sup>	Direct operation of hydraulic motor

15 <sup>th</sup>	1 <sup>st</sup>	Speed control double acting hydraulic cylinder using metering in & metering out circuits
	2 <sup>nd</sup>	Speed control double acting hydraulic cylinder using metering in & metering out circuits
16 <sup>th</sup>	1 <sup>st</sup>	Revision 1
	2 <sup>nd</sup>	Revision 2
17 <sup>th</sup>	1 <sup>st</sup>	Revision 3
	2 <sup>nd</sup>	Revision 4
18 <sup>th</sup>	1 <sup>st</sup>	Revision 5
	2 <sup>nd</sup>	Revision 6