

2.3.1 Student centric methods, such as experimental learning, participative learning and problem solving methodologies are used for enhancing learning experiences.

Index

Sr. No.	Name of Laboratory	Department	Page no.
1	Automotive Electrical and Electronics laboratory	Automobile Engineering	2
2	I.C. Engine testing laboratory	Automobile Engineering	2
3	Automotive Chassis laboratory	Automobile Engineering	3
4	Drawing Hall	Automobile Engineering	3
5	Class room	Civil Engineering	4
6	Drawing Hall	Civil Engineering	5
7	Survey Lab	Civil Engineering	5
8	System programming lab	Computer Engineering	6
9	Programming Language Lab	Computer Engineering	6
10	Computer Graphics Lab	Computer Engineering	7
11	Electrical machine Lab	Electrical Engineering	8
12	Software tools Lab	Electrical Engineering	8
13	High Voltage Lab	Electrical Engineering	9
14	Basic Electrical Lab	Electrical Engineering	9
15	Embedded system Lab	Electronics and telecommunication Engineering	10
16	Computer Programming Laboratory	Electronics and telecommunication Engineering	10
17	Communication Lab	Electronics and telecommunication Engineering	11
19	Computer aided drafting lab	Mechanical Engineering	12
20	CNC machine Laboratory	Mechanical Engineering	12
21	Metrology and Quality control laboratory	Mechanical Engineering	13
22	Heat transfer laboratory	Mechanical Engineering	13
23	Vibration Laboratory	Mechanical Engineering	14
24	Hydraulics and pneumatics laboratory	Mechanical Engineering	14
25	Fluid Machinery laboratory	Mechanical Engineering	15
26	Fluid Mechanics Laboratory	Mechanical Engineering	15
27	Machine Shop	Mechanical Engineering	16
28	Refrigeration and Air Conditioning laboratory	Mechanical Engineering	16
29	FFT analyzer – Vibration laboratory	Mechanical Engineering	17
30	Seminar Hall	Mechanical Engineering	17
31	Workshop book and attendance	Mechanical Engineering	20

Department of Automobile Engineering

1. Automotive Electrical and Electronics laboratory



2. I.C. Engine testing laboratory



3. Automotive Chasis laboratory



4. Drawing Hall



Department of Civil Engineering

1. Class room



2. Drawing Hall



3. Survey Lab

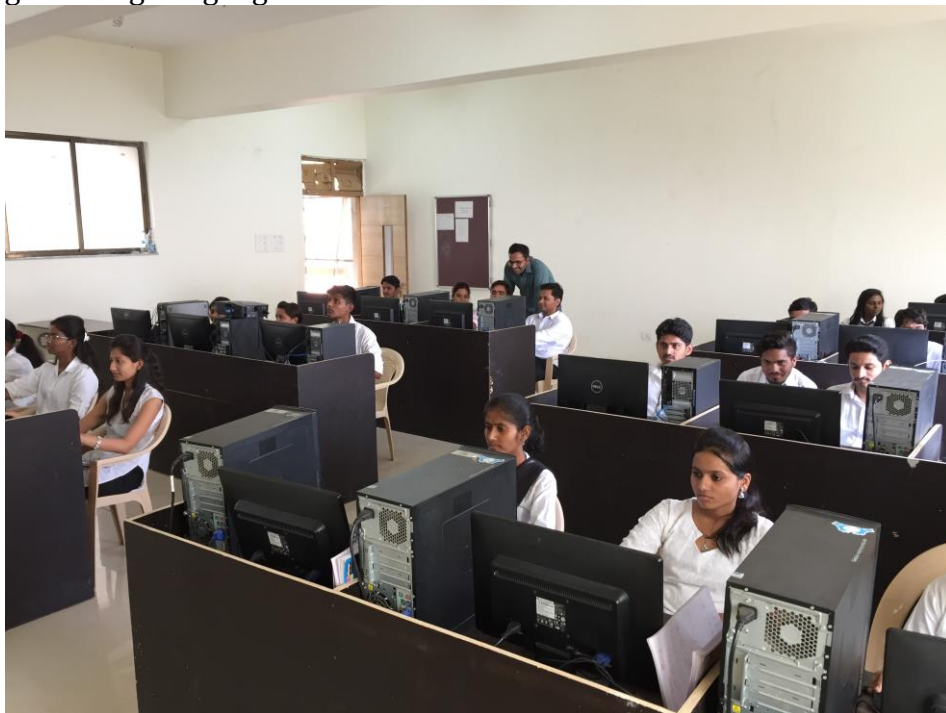


Department of Computer engineering

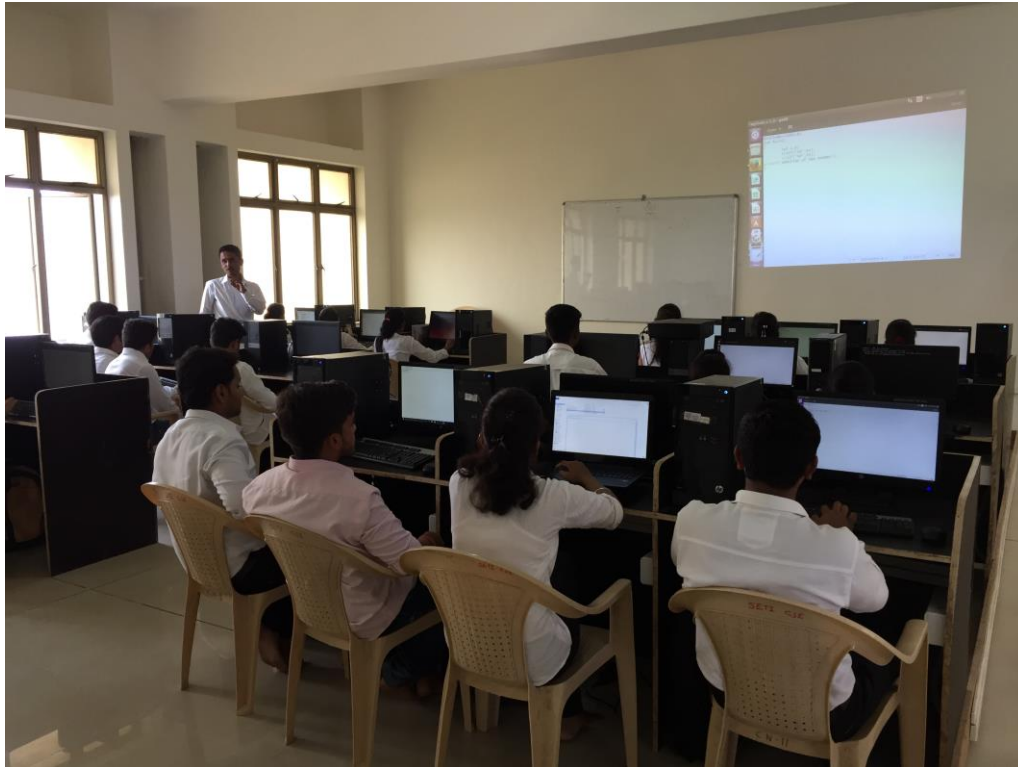
1. System programming lab



2. Programming Language Lab



3. Computer Graphics Lab



Department of Electrical Engineering

1. Electrical machine Lab



2. Software tools Lab



3. High Voltage Lab



4. Basic Electrical Lab



Department of Electronics and telecommunication engineering

1. Embeded susyem Lab



2. Computer Programming Laboratory



3. Communication Lab



Department of Mechanical Engineering

1. Computer aided drafting lab



3. CNC machine Laboratory



4. Metrology and Quality control laboratory



5. Heat transfer laboratory



6. Vibration Laboratory



7. Hydraulics and pneumatics laboratory



8. Fluid Machinery laboratory



9. Fluid Mechanics Laboratory



10. Machine Shop



11. Refrigeration and Air Conditioning laboratory



12. FFT analyzer – Vibration laboratory



Basic science and humanity
1. Chemistry Laboratory



2. Communication laboratory



3. Physics Laboratory



4. Seminar hall



HOLY- WOOD ACADEMY'S

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Tal. Panhala Dist. Kolhapur. Pin.416201 (M.S)
e-mail:- sanjeevanpanhala@yahoo.com



**DEPARTMENT OF
MECHANICAL ENGINEERING**

WORKSHOP BOOK

Name Patil Rahul laxman


Class : S.E Part (I / II) Roll No. 102

Branch : Mechanical Branch No. M₃-B

Academic Year : 2015-16 Exam Seat No. : _____

HOLY- WOOD ACADEMY'S

**SANJEEVAN ENGINEERING & TECHNOLOGY
INSTITUTE, PANHALA**



Tal. Panhala Dist. Kolhapur. Pin.416201 (M.S)
e-mail:- sanjeevanpanhala@yahoo.com

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that Mr. / Miss. Patil Rahul laxman

of ~~IT~~ / SE Class Roll No. 102 Batch No. : M3 - B

Branch : Mechanical Exam Seat No. : _____

has satisfactory completed the term work in Workshop Practice (I / II / III) as laid
down by Shivaji University, Kolhapur, during the academic year : 20 15 -20 16

Date :

Workshop Superintendent Head of Dept. Mechanical Engg. PRINCIPAL

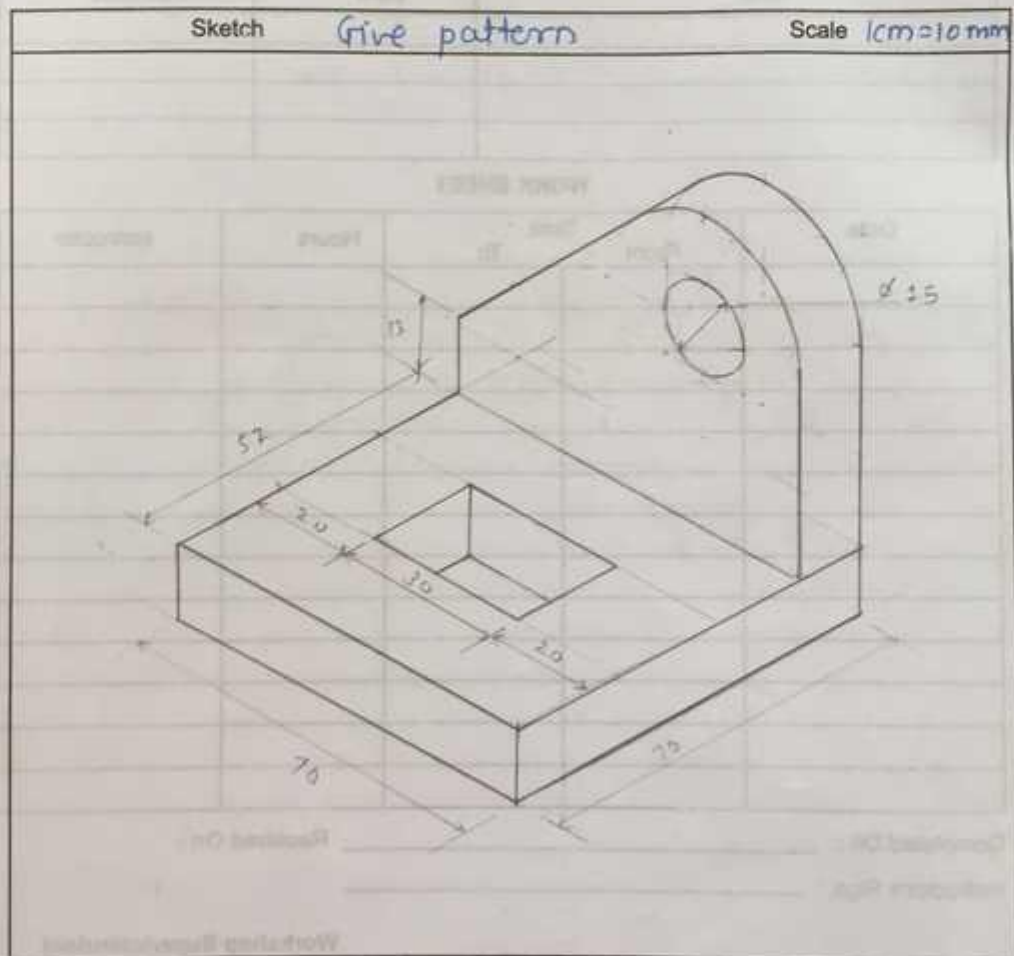
Index

Name:- Patil Rahul laxman Branch:- Mechanical
Class & Batch:- SE - B & M₃ Roll No :- 102

Job No	Started on	Complete on	No. of Hrs	submit	Page No	Instructor sign
1	20/8/2015	1/10/2015	8 hrs	1/10/2015	1	<i>Patil</i> 2/10/15
2	21/1/2016	25/2/2016	10 hrs	23/3/2016	2	<i>Patil</i>

WORKSHOP
DEPARTMENT OF MECHANICAL ENGINEERING
HOLY-WOOD ACADEMY'S
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Name of Student Patil Rahul laxman
Class No. : S-E (Mech) Roll No. 102
Shop Carpentry Exercise No. : 1 Batch No. M3-B



WORKSHOP

DEPARTMENT OF MECHANICAL ENGINEERING

HOLY-WOOD ACADEMY'S

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Shop : Carpentry Exercise No. : 1
 Batch No. : M-3 (Div-B)

MATERIAL SUPPLY

Size	Date	Instructor
Take wood 115 X 70 X 13	20/08/15	<i>[Signature]</i>

WORK SHEET

Date	Time		Hours	Instructor
	From	To		
20/8/2015	2.15	4.15	2h	<i>[Signature]</i>
27/8/2015	2.15	4.15	2h	
3/9/2015	2.15	4.15	2h	
11/10/2015	2.15	4.15	2h	

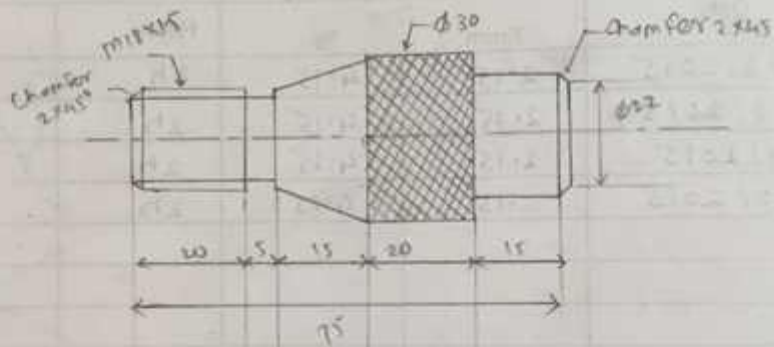
Completed On : 1/10/2015 Received On : 2/10/15
 Instructor's Sign. : *[Signature]*

Workshop Superintendent

WORKSHOP
DEPARTMENT OF MECHANICAL ENGINEERING
HOLY- WOOD ACADEMY'S
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Name of Student Patel Rahul laxman
Class No. : SE Mech Roll No. 94
Shop _____ Exercise No. : _____ Batch No. M12

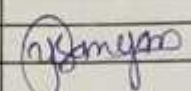
Sketch Turning, facing, knurling, grooving Scale
threading, taper turning



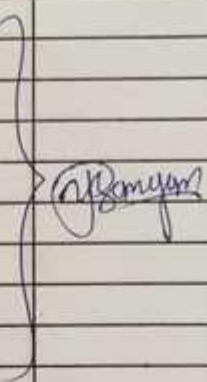
WORKSHOP
DEPARTMENT OF MECHANICAL ENGINEERING
 HOLY- WOOD ACADEMY'S
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Shop : M/C shop Exercise No. : _____
 Batch No. : M2 - B

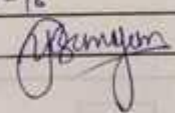
MATERIAL SUPPLY

Size	Date	Instructor
Material MS, R.O bar ϕ 28		
X 80 mm	21-1-2016	
Tolerance 0.02		
Scale - NTC		

WORK SHEET

Date	Time		Hours	Instructor
	From	To		
21-1-16	11.30	1.30	2	
4-2-16	11.30	1.30	2	
11-2-16	11.30	1.30	2	
18-2-16	11.30	1.30	2	
25-2-16	11.30	1.30	2	

Completed On : 25-2-16 Received On : 22-3-2016

Instructor's Sign. : 

Workshop Superintendent

Page No. :



Holy-wood Academy, Kolhapur
Sanjeevan Engineering and Technology Institute.
Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist. Kolhapur

SUBJECT: *INDUSTRIAL FLUID POWER*

CLASS: *T.E.A (M2)*

ROLL NO.: *19*

EXAM: *T.E SEM II 2017*

INDEX

SER. NO.	TITLE	PAGE	DATE	SIGN	Remark
1	Study & Demonstration of basic hydraulic & pneumatic system.	5-10 <i>1-10</i>	05/01/17		
2	Study & Demonstration of ISO/JIC Symbols for hydraulic and pneumatic systems.	11-14 <i>13-14</i>	19/01/17		
3	Study & Demonstration of different types of valves used in hydraulic and pneumatic system.	<i>23-59</i>	02/02/17		
4	Study of accumulators used in hydraulic and pneumatic system	<i>55-68</i>	09/02/17		
5	At least five circuit preparations on hydraulic trainer kit.	<i>63-78</i>	16/02/17		
6	At least five circuit preparations on pneumatic trainer kit.	<i>73-92</i>	02/03/17		
7	At least two Circuit preparations using Fluid simulation software.	<i>92-88</i>	09/03/17		
8	Design of hydraulic / pneumatic system and related components for any one of the following: 1) Shaping machine 2) Broaching machine 3) Slotting machine 4) Hydraulic clamps 5) Pneumatic clamp 6) Any one industrial application.	<i>99-106</i>	16/03/17		

CERTIFICATE

This is to certify that Mr. Gaikwad. Digvijay. Ajit.

in T.E. Mechanical has completed the above mentioned experiments and assignments in the subject **INDUSTRIAL FLUID POWER** in the laboratory of the Sanjeevan Engg. And Technology Institute, Panhala in academic year 2016-2017.

Date: *29/03/2017*

Staff in charge

Head of Dept.

Principal

Title - Introduction to fluid power system.

Aim - To study fluid power system.

Objective:- To study

1. Hydraulic system
2. Pneumatic system.

1. Hydraulic system.

Hydraulic system is the power transmitting assembly employing pressurized fluid to transmit energy from energy generating source to the application area.

Hydraulic system includes following three stages

1. Energy conduction

Mechanical energy to pressure energy by using hydraulic pump.

2. Energy transmission and control.

Transmission from pipe through source to the application and control through various control valve.

3. Energy reconservation.

Hydraulic/pressure energy to mechanical energy by using hydraulic actuators.



Holy-wood Academy, Kolhapur's
SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE
 Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur
 Pin- 416 201. (Maharashtra) Phone : 0231 - 2686600, 21 Fax : 0231 - 2686629

HOLY - WOOD
 SANJEEVAN ENGINEERING &
 DEAD STOCK

DEPARTMENT OF Mechanical Engineering

Sl. No.	Description of the Article	Quantity	Rate
01	HYDRAULIC TRAINING KIT	01	15000/-
02	Electrical Pneumatic Training Kit	01	10000/-
03	PLC Based Pneumatic Training Kit	01	20000/-
04	PC based Hydraulic Training Kit	01	20000/-
Sub Total			
H.VAT 10%			
Grand Total			
Grand Total*			

ACADEMY'S
 TECHNOLOGY INSTITUTE, PANTHALA
 REGISTER

LABORATORY Industrial Hydraulics & Pneumatics

Sl. No.	Student Name	Date of Purchase & Reference	Transfer Details Lab Address	Lab. Charge Sign	100 Sign	Parent / Other
1	Shivraj	10/10/2017		Shivraj		
2	Shivraj	12/10/2017		Shivraj		
3	Shivraj	11/10/2017		Shivraj		
4	Shivraj	11/10/2017		Shivraj		
5	Shivraj	11/10/2017		Shivraj		
Sub Total						
H.VAT 10%						
Grand Total						
Grand Total*						

TEAMWORK ATTENDANCE AND EVALUATION

Class: T.E-A Subject: IEP

Batch: 2011

Roll No.	Exam No.	Name ↓	Date of Attendance										Laboratory Performance										Test Performance C	20 Marks	Performance rating for heads				Total Termwork Performance Out of Marks
			A										B (Out of 10)												A B C D				
			1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10			A	B	C	D	
1		Alavalkar P.G.	P	P	P	P	P	P	P	P	3	3	3	3	3	3	3	3	3	3	5	5	4	3	21				
2		Abhate B.V.	P	P	P	P	P	P	P	P	10	10	10	10	10	10	10	10	10	10	4	4	3	3	20				
3		Bartakke G.N.	P	P	P	P	P	P	P	P	9	10	10	10	10	10	10	10	10	10	4	5	3	4	22				
4		Bhadanikar v.m.	P	P	P	P	P	P	P	P	9	10	10	10	10	10	10	10	10	10	4	4	3	3	20				
5		Bhar S.S.	P	P	P	P	P	P	P	P	3	3	3	3	3	3	3	3	3	3	4	3	3	3	19				
6		Bobade N.M.	P	P	P	P	P	P	P	P	5	7	7	7	7	7	7	7	7	7	4	7	3	3	17				
7		Chavan A.A.	P	P	P	P	P	P	P	P	7	10	10	10	10	10	10	10	10	10	4	5	3	3	20				
8		Chavan M.A.	P	P	P	P	P	P	P	P	10	10	10	10	10	10	10	10	10	10	5	5	3	3	20				
9		Chougale A.R.	P	P	P	P	P	P	P	P	4	3	3	3	3	3	3	3	3	3	5	3	3	3	18				
10		Chougale S.S.	P	P	P	P	P	P	P	P	3	3	3	3	3	3	3	3	3	3	5	3	3	3	18				
11		Chougale P.M.	P	P	P	P	P	P	P	P	9	8	10	10	10	10	10	10	10	10	4	5	3	3	19				
12		Desai S.S.	P	P	P	P	P	P	P	P	5	10	10	10	10	10	10	10	10	10	4	4	3	4	21				
13		Devadkar N.D.	P	P	P	P	P	P	P	P	5	3	3	3	3	3	3	3	3	3	5	3	3	3	18				
14		Devadkar V.V.	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5	5	5	5	4	3	3	18				
15		Dhumal N.B.	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5	5	5	5	3	3	3	15				
16		Dinde P.C.	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5	5	5	4	3	3	3	15				
17		Dinde S.T.	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5	5	5	5	3	3	3	15				
18		Dinde R.S.	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5	5	5	5	3	3	4	15				

- 1. Attendance (Th. + Fr) - 20%
- 2. Test Performance - 20%
- 3. Laboratory Performance - 40%
- 4. Homework - 20%

Faculty

H.O.D.

Dean (Academic)

1. Attendance - 20%
 2. Test Performance - 40%
 3. Laboratory Performance - 20%
 4. Internal Exam - 20%

Faculty

H.O.D.

Dean (Academic)

TEAMWORK ATTENDANCE AND EVALUATION

Class T.E. A

Subject: ZFP

Batch: IV12

Roll No.	Exam No.	Name ↓	Date of Attendance 2013-14										Laboratory Performance B (Out of 100)										Test Performance C	Performance rating for heads				Total Teamwork Performance Out of Marks
			1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10		A	B	C	D	
18		Ghadake H.S.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
20		GHAWRIE V.P.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
31		HAJARE G.M.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
28		HAVAL R.A.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
33		Jadhav G.V.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
24		Jadhav M.R.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
15		Jadhav S.S.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
26		Jundhale M.M.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
22		Kale M.C.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
14		Kamble M.G.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
19		Kamble M.M.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
30		Kamble M.G.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
31		Kamble R.P.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
32		Kamble R.B.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
33		Khat V.M.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
35		Kulkarni N.P.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
35		Kurane V.B.	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		
36		Lasale	P	P	P	P	P	P	P	P	P	5	5	5	5	5	5	5	5			5	5	5	5	20		

1. Attendance - 20%
 2. Test Performance - 40%
 3. Laboratory Performance - 20%



Holy-wood Academy, Kolhapur
**Sanjeevan Engineering and Technology
Institute**, Sanjeevan Knowledge City, Panhala, Tal. Panhala, Dist.
Kolhapur

INDUSTRIAL FLUID POWER LAB

List of Experiments

SR. NO.	Name of Experiments
1	Study & Demonstration of basic hydraulic & pneumatic system.
2	Study & Demonstration of ISO/JIC Symbols for hydraulic and pneumatic systems.
3	Study & Demonstration of different types of valves used in hydraulic and pneumatic system.
4	Study of accumulators used in hydraulic and pneumatic system
5	At least five circuit preparations on hydraulic trainer kit.
6	At least five circuit preparations on pneumatic trainer kit.
7	At least two Circuit preparations using Fluid simulation software.
8	Design of hydraulic / pneumatic system and related components for any one of the following: 1) Shaping machine 2) Broaching machine 3) Slotting machine 4) Hydraulic clamps 5) Pneumatic clamp 6) Any one industrial application.



HOLY - WOOD ACADEMY'S
SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE,
PANHALA

DEPARTMENT OF Mechanical (T.E-A) M₂

28

REGULAR PRACTICAL ATTENDANCE 12/02/2016

Roll No.	Name	System No/ Table No.	Time In	Sign.	Time Out	Sign.	Remarks
19	Ghorade Himanshu S.		11:30	[Signature]	1:30	[Signature]	P A
20							
21	Hajare Ankar M.		11:30	[Signature]	1:30	[Signature]	P
22	Haral Ajinkya A.		11:30	[Signature]	1:30	[Signature]	P
23	Jadhav Ganesh V.		11:30	[Signature]	1:30	[Signature]	P
24	Jadhav Madhura R.		11:30	[Signature]	1:30	[Signature]	P
25	Jadhav Sagar S.		11:30	[Signature]	1:30	[Signature]	P
26	Jadhav Mahesh M.		11:30	[Signature]	1:30	[Signature]	P
27	Kate Tirupati Chandrakant		11:30	[Signature]	1:30	[Signature]	P
28	Kamble Mahadev Shivaji		11:30	[Signature]	1:30	[Signature]	P
29	Kamble Mangy Madhubai		11:30	[Signature]	1:30	[Signature]	P
30	Kamble Mangy Gauri						A
31			11:30	[Signature]	1:30	[Signature]	P
32	Kamble Ashutosh B.		11:30	[Signature]	1:30	[Signature]	P
33	Khot Vijay M.		11:30	[Signature]	1:30	[Signature]	P
34	Kulkarni Naranj Prakash		11:30	[Signature]	1:30	[Signature]	P
35	Kurane Vinay B.		11:30	[Signature]	1:30	[Signature]	P
36	Lad Ketan S.						
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

HOLY - WOOD ACADEMY'S 20

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANTHALA

DEPARTMENT OF mechanical

Name of experiment Study & Demonstration Date 09/01/18 Batch M5
of diff. types of valves used in H&P

Equipment Used _____ Time : 2.15 to 4.15

REGULAR PRACTICAL ATTENDANCE

Sr. No.	Roll No.	Name	System No./ Table No.	Sign.	Remarks
1					
2					
3					
4	62	Nalage shrinidhar shirwadkar		<u>Shrinidhar</u>	P
5	63	Nalawade Pankaj Limbaji		<u>Pankaj</u>	P
6	64	Parkhakar suraj R.		<u>Suraj</u>	P
7	65	Patil Abhijit Ashok		<u>Abhijit</u>	P
8	66	Patil Aniket Vilas		<u>Aniket</u>	P
9	67	Patil Aniket A.		<u>Aniket</u>	P
10	68	Patil Digvijay Chandrabant		<u>Digvijay</u>	P
11	69	Patil Digvijay Sanjay		<u>Digvijay</u>	P
12	70	Patil Digvijay Sunil		<u>Digvijay</u>	P
13	71	Patil Ganesh S.		<u>Ganesh</u>	P
14	72	Patil Lalit S.		<u>Lalit</u>	P
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					