

LABORATORY ASSIGNMENT /SHEET /JOB /PROJECT ACTIVITY PLANNING (LP)

Academic Year: 2026-27 (ODD)

Institute Name: K. K. Wagh Polytechnic, Nashik

MSBTE Code: 0078

Program and Code: Information Technology (IF)

Course Code & Abbr.: 311002 (WPC)

Course Name: Engineering Workshop Practice

Name of Faculty: Mrs. N. S. Gite/ Mrs. P. A. Thakare

Class: FYIF-Cray

Semester: First

Scheme: K

Course Index: 105

Learning Hrs. 60

● Teaching-Learning & Assessment Scheme:

Course Code	Course Title & Abbr	Course Category	Learning Scheme						Credits	Paper Duration (Hrs.)	Assessment Scheme									
			Actual Contact Hrs/Week			SLH	NLH	Theory				Based on LL & TSL Practical				Based on SL		Total Marks		
			CL	TL	LL			FA TH			SA TH	Total		FA-PR		SA-PR			SLA	
												Max	Min	Max	Min	Max	Min		Max	Min
311002	Engineering Workshop Practice(WPC)	SEC	-	-	4	-	4	2	-	-	-	-	-	50	20	50@	20	-	-	100

Abbreviations: CL- Class Room Learning , TL- Tutorial Learning, LL-Laboratory Learning, SLH-Self Learning Hours, NLH-Notional Learning Hours, FA - Formative Assessment, SA -Summative assessment, IKS – Indian Knowledge System, SLA - Self Learning Assessment
Legends: @ Internal Assessment, # External Assessment, *# On Line Examination, @\$ Internal Online Examination

● COURSE LEVEL LEARNING OUTCOMES (COS)

Students will be able to achieve & demonstrate the following COs on completion of course based learning.

- CO1 – Carry out elementary level maintainance of pc.
- CO2 - Create partitions and format hard disk drive.
- CO3 - Install and configure Operating system.
- CO4 - Configure different types of peripheral devices
- CO5 - Setup small Local Area Network.
- CO6 - Use diagnostic software for fault finding in Computer system

● COs, Practical Laboratory Learning Outcome (LLOs) and Mapping:

Pr. No	COs	LLO	Name of Experiments/ Assignment/ Sheet/ Job/ Project Activity	Planned Date A/B/C		Actual date of Performance	Remark
				From	To		
1	CO1	LLO 1.1	Desktop/laptop/server type identification and its specification	A-07/08/2026 B-03/08/2026 C-04/08/2026	A-08/08/2026 B-05/08/2026 C-06/08/2026	A- B- C-	
2	CO1	LLO 2.1	Identification and cleaning of Components	A-08/08/2026 B-05/08/2026 C-06/08/2026	A-14/08/2026 B-10/08/2026 C-11/08/2026	A- B- C-	
3	CO1	LLO 3.1	Preventive Maintenance of PC	A-08/08/2026 B-05/08/2026 C-06/08/2026	A-14/08/2026 B-10/08/2026 C-11/08/2026	A- B- C-	
4	CO1	LLO 4.1	Perform Internal socket connections	A-14/08/2026 B-10/08/2026 C-11/08/2026	A-21/08/2026 B-12/08/2026 C-13/08/2026	A- B- C-	
5	CO1	LLO 5.1	Perform BIOS settings	A-21/08/2026 B-12/08/2026 C-13/08/2026	A-22/08/2026 B-17/08/2026 C-18/08/2026	A- B- C-	

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				From	To		
6	CO2	LLO 6.1	Manage a Hard disk	A-21/08/2026 B-12/08/2026 C-13/08/2026	A-22/08/2026 B-17/08/2026 C-18/08/2026	A- B- C-	
7	CO3	LLO 7.1	Installation of Windows Operating System	A-22/08/2026 B-17/08/2026 C-18/08/2026	A-28/08/2026 B-19/08/2026 C-20/08/2026	A- B- C-	
8	CO3	LLO 8.1	Installation of Unix family Operating System	A-28/08/2026 B-19/08/2026 C-20/08/2026	A-29/08/2026 B-24/08/2026 C-25/08/2026	A- B- C-	
9	CO4	LLO 9.1	Peripheral devices cleaning	A-29/08/2026 B-24/08/2026 C-25/08/2026	A-04/09/2026 B-31/08/2026 C-27/08/2026	A- B- C-	
10	CO4	LLO 10.1	Installation of local and Network printer	A-04/09/2026 B-31/08/2026 C-27/08/2026	A-12/09/2026 B-07/09/2026 C-03/09/2026	A- B- C-	
11	CO4	LLO 11.1	Share devices, files and folders	A-04/09/2026 B-31/08/2026 C-27/08/2026	A-12/09/2026 B-07/09/2026 C-03/09/2026	A- B- C-	
12	CO4	LLO 12.1	Installation of scanner	A-05/09/2026 B-02/09/2026 C-01/09/2026	A-18/09/2026 B-07/09/2026 C-03/09/2026	A- B- C-	
13	CO4	LLO 13.1	Set Input/output devices	A-05/09/2026 B-02/09/2026 C-01/09/2026	A-18/09/2026 B-09/09/2026 C-03/09/2026	A- B- C-	
14	CO5	LLO 14.1	Make CAT5, CAT6 Cable	A-12/09/2026 B-07/09/2026 C-03/09/2026	A-18/09/2026 B-09/09/2026 C-08/09/2026	A- B- C-	
15	CO5	LLO 15.1	Connect devices to external port	A-12/09/2026 B-09/09/2026 C-08/09/2026	A-18/09/2026 B-16/09/2026 C-15/09/2026	A- B- C-	
16	CO5	LLO 16.1	Networking devices connection	A-12/09/2026 B-09/09/2026 C-15/09/2026	A-18/09/2026 B-16/09/2026 C-15/09/2026	A- B- C-	
17	CO5	LLO 17.1	Fiber optic cable construction	A-18/09/2026 B-16/09/2026 C-15/09/2026	A-19/09/2026 B-21/09/2026 C-17/09/2026	A- B- C-	
18	CO5	LLO 18.1	Connection of Switches/Hubs	A-18/09/2026 B-21/09/2026 C-17/09/2026	A-19/09/2026 B-23/09/2026 C-22/09/2026	A- B- C-	

Maharashtra State Board of Technical Education, Mumbai

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Pr. No	COs	LL O	Name of Experiments/Assignment/ Sheet/ Job/ Project Activity	Planned Date A/B/C		Actual date of Performance	Remark
				From	To		
19	CO5	LLO 19.1	Setup Wi-Fi environment	A-18/09/2026 B-23/09/2026 C-22/09/2026	A-19/09/2026 B-28/09/2026 C-24/09/2026	A- B- C-	
20	CO5	LLO 20.1	Setup wired network environment	A-19/09/2026 B-28/09/2026 C-24/09/2026	A-25/09/2026 B-30/09/2026 C-29/09/2026	A- B- C-	
21	CO5	LLO 21.1	Setup wireless I/O devices	A-25/09/2026 B-30/09/2026 C-29/09/2026	A-26/09/2026 B-05/10/2026 C-01/10/2026	A- B- C-	
22	CO6	LLO 22.1	Fault diagnostics	A-26/09/2026 B-05/10/2026 C-01/10/2026	A-03/10/2026 B-07/10/2026 C-06/10/2026	A- B- C-	
23	CO6	LLO 23.1	Anti-viruses installation	A-03/10/2026 B-07/10/2026 C-06/10/2026	A-10/10/2026 B-12/10/2026 C-08/10/2026	A- B- C-	
24	CO6	LLO 24.1	Component replacement	A-10/10/2026 B-12/10/2026 C-08/10/2026	A-17/10/2026 B-14/10/2026 C-13/10/2026	A- B- C-	
** Data Recovery Tools				A-10/10/2026 B-12/10/2026 C-08/10/2026	A-17/10/2026 B-14/10/2026 C-13/10/2026	A- B- C-	

**** Content Beyond Syllabus**

SUGGESTED COS - POS MATRIX FORM

Course Outcomes (COs)	Programme Outcomes (POs)							Programme Specific Outcomes (PSOs)	
	PO-1 Basic and Discipline Specific Knowledge	PO-2 Problem Analysis	PO-3 Design/ Development of Solutions	PO-4 Engineering Tools	PO-5 Engineering Practices for Society, Sustainability and Environment	PO-6 Project Management	PO-7 Life Long Learning	PSO-1	PSO-2
CO1	1	1	-	3	-	-	-	-	2
CO2	1	-	-	2	-	-	-	-	2
CO3	1	-	-	2	-	-	1	-	2
CO4	-	-	-	2	-	-	1	-	2
CO5	1	1	1	2	-	-	-	-	1
CO6	-	2	1	2	-	-	-	-	1

ASSESSMENT METHODOLOGIES/TOOLS

A. Formative assessment (Assessment for Learning) (FA-TH)

Rubrics for COs, Terms Work, Presentation

B. Summative Assessment (Assessment of Learning) (SA-TH)

End of Term Examination (Lab. performance), Viva-voce

Mrs. N. S. Gite/ Mrs. P. A. Thakare
(Name & Signature of Staff)

Ms. M. S. Karande
(Name & Signature of HOD)