

LABORATORY PRACTICAL PLANNING

Institute Name: K. K. Wagh Polytechnic, Nashik

Academic Year: 2026-27 (ODD)

Program: Information Technology (IF) **Course:** Engineering Workshop Practice

Course code: 311002

Semester: First **Scheme:** K **Class:** FYIF-PARAM

Batch: A/B/C

Name of Faculty: Mrs. P. A. Thakare

• **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	Max	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 maintenance 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:**

Sr. No	LLO	Practical Title	Planned Date	Performance Date	Remarks	Related self-learning (if any)
1	LLO1 .1	Desktop/laptop/server type identification and its specification	A-06/08/26 B-05/08/26 C-3/08/26	A-08/08/26 B-08/08/26 C-07/08/26		
2	LLO2 .1	Identification and cleaning of Components	A-08/08/26 B-08/08/26 C-03/08/26	A-13/08/26 B-12/08/26 C-07/08/26		
3	LLO3 .1	Preventive Maintenance of PC	A-13/08/26 B-12/08/26 C-07/08/26	A-20/08/26 B-19/08/26 C-10/08/26		
4	LLO4 .1	Perform Internal socket connections	A-20/08/26 B-19/08/26 C-10/08/26	A-22/08/26 B-22/08/26 C-14/08/26		
5	LLO5 .1	Perform BIOS settings	A-20/08/26 B-19/08/26 C-10/08/26	A-22/08/26 B-22/08/26 C-14/08/26		

LABORATORY PRACTICAL PLANNING

Institute Name: K. K. Wagh Polytechnic, Nashik

Academic Year: 2026-27 (ODD)

Program: Information Technology (IF) **Course:** Engineering Workshop Practice

Course code: 311002

Semester: First **Scheme:** K **Class:** FYIF-PARAM

Batch: A/B/C

Name of Faculty: Mrs. P. A. Thakare

6	LLO6 .1	Manage a Hard disk	A-20/08/26 B-22/08/26 C-14/08/26	A-22/08/26 B-29/08/26 C-17/08/26		
7	LLO7 .1	Installation of Windows Operating System	A-22/08/26 B-22/08/26 C-17/08/26	A-27/08/26 B-29/08/26 C-21/08/26		
8	LLO8 .1	Installation of Unix family Operating System	A-22/08/26 B-29/08/26 C-21/08/26	A-27/08/26 B-02/09/26 C-31/08/26		
9	LLO9 .1	Peripheral devices cleaning	A-27/08/26 B-29/08/26 C-21/08/26	A-29/08/26 B-02/09/26 C-31/08/26		
10	LLO1 0.1	Installation of local and Network printer	A-27/08/26 B-02/09/26 C-31/08/26	A-29/08/26 B-05/09/26 C-04/09/26		
11	LLO1 1.1	Share devices, files and folders	A-29/08/26 B-05/09/26 C-04/09/26	A-03/09/26 B-09/09/26 C-07/09/26		
12	LLO1 2.1	Installation of scanner	A-03/09/26 B-05/09/26 C-07/09/26	A-05/09/26 B-09/09/26 C-11/09/26		
13	LLO1 3.1	Set Input/output devices	A-03/09/26 B-09/09/26 C-07/09/26	A-05/09/26 B-12/09/26 C-11/09/26		
14	LLO1 4.1	Make CAT5, CAT6 Cable	A-05/09/26 B-09/09/26 C-11/09/26	A-10/09/26 B-12/09/26 C-14/09/26		
15	LLO1 5.1	Connect devices to external port	A-05/09/26 B-12/09/26 C-14/09/26	A-10/09/26 B-16/09/26 C-18/09/26		
16	LLO1 6.1	Networking devices connection	A-10/09/26 B-16/09/26 C-18/09/26	A-12/09/26 B-19/09/26 C-21/09/26		
17	LLO1 7.1	Fiber optic cable construction	A-10/09/26 B-19/09/26 C-18/09/26	A-12/09/26 B-23/09/26 C-21/09/26		
18	LLO1 8.1	Connection of Switches/Hubs	A-12/09/26 B-19/09/26 C-21/09/26	A-17/09/26 B-23/09/26 C-25/09/26		
19	LLO1 9.1	Setup Wi-Fi environment	A-12/09/26 B-23/09/26 C-25/09/26	A-17/09/26 B-26/09/26 C-28/09/26		

LABORATORY PRACTICAL PLANNING

Institute Name: K. K. Wagh Polytechnic, Nashik

Academic Year: 2026-27 (ODD)

Program: Information Technology (IF) **Course:** Engineering Workshop Practice

Course code: 311002

Semester: First **Scheme:** K **Class:** FYIF-PARAM

Batch: A/B/C

Name of Faculty: Mrs. P. A. Thakare

20	LLO2 0.1	Setup wired network environment	A-17/09/26 B-23/09/26 C-28/09/26	A-19/09/26 B-26/09/26 C-05/10/26		
21	LLO2 1.1	Setup wireless I/O devices	A-19/09/26 B-26/09/26 C-28/09/26	A-26/09/26 B-30/09/26 C-05/10/26		
22	LLO2 2.1	Fault diagnostics	A-26/09/26 B-26/09/26 C-05/10/26	A-01/10/26 B-30/09/26 C-12/10/26		
23	LLO2 3.1	Anti-viruses installation	A-01/10/26 B-30/09/26 C-05/10/26	A-03/10/26 B-07/10/26 C-12/10/26		
24	LLO2 4.1	Component replacement	A-03/10/26 B-07/10/26 C-12/10/26	A-10/10/26 B-14/10/26 C-16/10/26		
25		** Content Beyond Syllabus Robotics Simulation Software	A-10/10/26 B-07/10/26 C-12/10/26	A-15/10/26 B-14/10/26 C-16/10/26		

**** Content Beyond Syllabus**

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. P. A. Thakare
(Name & Signature of Staff)

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