

**Maharashtra State Board of Technical Education, Mumbai**  
**LABORATORY PRACTICAL PLANNING**

**K2-A (PRACT)**

**Institute Name:** K. K. Wagh Polytechnic, Nashik

**Date:** 15/12/2025

**Academic Year:** 2025-26 (EVEN)

**Programme:** Information Technology (IF)      **Course:** Client Side Scripting Language (CSS)

**Course Code:** 316005

**Semester:** sixth      **Scheme:** K

**Name of Faculty:** Mrs. S. S. Pathare

**Class:** TYIF-CRAY

**Batch:** A/B/C

● **Teaching-Learning & Assessment Scheme:**

Course Code	Course Title & Abbr	Course Category	Learning Scheme					Credits	Paper Duration (Hrs.)	Assessment Scheme										Total Marks
			Actual Contact Hrs/Week			SLH	NLH			Theory			Based on LL & TSL Practical				Based on SL			
			CL	TL	LL					FA TH	SA TH	Total		FA-PR		SA-PR		SLA		
			Max	Max	Max	Min	Max			Min	Max	Min	Max	Min	Max	Min	Max	Min		
316005	CLIENT SIDE SCRIPTING	CSS	AEC	2	-	4	-	6	3	-	-	-	-	-	25	10	25@	10	-	50

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 - Develop web page using client side scripting technology.
- CO2 - Design dynamic web pages using AngularJS.
- CO3 - Implement the built-in functions and objects in AngularJS.
- CO4 - Develop web application using React.
- CO5 - Apply event handling in React Framework.

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

Pr. No	CO	LLO	Practical Title	Planned Date	Actual date of Performance	Remark
1	CO 1	LLO 1.1	* Write a program to display " Hello World " using:  • Console.log()  • document.write( )  • alert ( )	A-17/12/2025 B-17/12/2025 C-16/12/2025	A- B- C-	
2	CO 1	LLO 2.1	• Write a program to display "Welcome " using Python script	A-24/12/2025 B-24/12/2025 C-23/12/2025	A- B- C-	

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3	CO1	LLO 3.1	Create objects for the given problem with JSON.	A-17/12/2025 B-17/12/2025 C-16/12/2025	A- B- C-	
4	CO1	LLO 4.1	1. Setup Angular development environment using:  • Installation of Node.js and npm  • Installation of Angular CLI  2. Write a program to display "Good Morning " Message on web page	A-24/12/2025 B-24/12/2025 C-23/12/2025	A- B- C-	
5	CO1	LLO 5.1	* Write AngularJS program to design form using various controls and apply validations on input	A-31/12/2025 B-31/12/2026 C-30/12/2025	A- B- C-	
6	CO1	LLO 6.1	* Write a program to display data model view and display data for given problem	A-07/01/2026 B-07/01/2026 C-06/01/2026	A- B- C-	
7	CO2	LLO 8.1	*Write a program to implement different filters in AngularJS	A-14/01/2026 B-14/01/2026 C-13/01/2026	A- B- C-	
8	CO2	LLO 9.1	* Write a program to implement different events in Angular JS	A-20/01/2026 B-20/01/2026 C-21/01/2026	A- B- C-	
9	CO2	LLO 10.1	Write a program displaying data in a table	A-04/02/2026 B-04/02/2026 C-03/02/2026	A- B- C-	
10	CO3	LLO 11.1	* Write a program to implement CSS to table data-odd and even rows	A-11/02/2026 B-11/02/2026 C-10/02/2026	A- B- C-	
11	CO3	LLO 12.1	* Write programs for implementation of different methods of AngularJS Controllers	A-18/02/2026 B-18/02/2026 C-17/02/2026	A- B- C-	
12	CO4	LLO 13.1	* Write programs to demonstrate use of controllers in external files	A-20/02/2026 B-21/02/2026 C-21/02/2026	A- B- C-	

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Pr. No	COs	LLO	Practical Title	Planned Date	Actual date of Performance	Remark
13	CO4	LLO 14.1	* Write a program to handle data using React form.	A-25/02/2026 B-25/02/2026 C-24/02/2026	A- B- C-	
14		LLO 16.1	*Write a program to pass function argument into React program and implemnt the life cycle of React	A-06/03/2026 B-07/03/2026 C-07/03/2026	A- B- C-	
15		LLO 17.1	* Write a program to implement states of React Hooks	A-11/03/2026 B-11/03/2026 C-10/03/2026	A- B- C-	
16		LLO 18.1	Write a program to design real time form using react components	A-13/03/2026 B-14/03/2026 C-14/03/2026	A- B- C-	
17		LLO 20.1	* Write a program to manipulate List using key and without key in React	A-18/03/2026 B-18/03/2026 C-17/03/2026	A- B- C-	
18		LLO 21.1	Write a program to render a list using map function in React	A-20/03/2026 B-25/03/2026 C-24/03/2026	A- B- C-	
19		LLO 23.1	* The microproject has to be web based real time application suggested by teacher such as :  Develop a web "Chat Application" having Chat window with send and recive the text,image etc. Develop a web "Music Player application" where user can get the Album with signer and play the music.	A-27/03/2026 B-28/03/2026 C-28/03/2026	A- B- C-	

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**ASSESSMENT METHODOLOGIES/TOOLS**

**Formative assessment (Assessment for Learning)**

- Continous assessment based on process and product related performance indicators. Each practical will be assessed considering-
  - 60% weightage to process
  - 40% weightage to product

**Summative Assessment (Assessment of Learning)**

- End Semester Examination (Lab. performance), Viva-voce

**Mrs. S. S. Pathare**  
(Name & Signature of Staff)

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