	ITER, SIKSHA 'O' ANUSANDHAN (Deemed to be University)		Lab Assignment
Branch	**Computer Application**	Programme	**MCA**
Course Name	**Full Stack Web Development 1**	Semester	**I**
Course Code	**CA3117**	Academic Year	**2025/Odd**
Assignment- 5	**Topic: Making Web Pages Interactive with JavaScript**		**GP - 2**

Learning Level (LL)	**L1**: Remembering	**L3:** Application	**L5**: Evaluation
	L2: Understanding	**L4**: Analysis	**L6**: Creation

Q's	Questions	COs	LL
1	Write the difference between Java & JavaScript.	**CO4**	**L2**
2	Why do we use JavaScript? Why is it so popular (advantages)?	**CO4**	**L2**
3	What are the following methods used to print the output? Provide suitable examples for each method and attach the corresponding output.	**CO4**	**L3**
4	Write the fundamental differences between the following keywords: **a) var** **b) let** **c) const** Provide suitable examples for each method and attach the corresponding output.	**CO4**	**L3**
5	Write a JavaScript program to add two numbers entered by the user & print the result of the addition as output inside the console panel and an alert box. Write/Attach the Output.	CO4	**L6**
6	Write a JavaScript program to print the most significant number among three numbers inserted by the user (Input value should not be a one-digit number). Write/Attach the Output.	CO4	**L6**
7	Write a JS Program to print a Fibonacci Series up to the 'n' number by using a while loop & attaching the Output.	**CO4**	**L6**
8	Write a JavaScript program to check whether the user-given number is Prime or not using a **for** loop & attach the Output.	**CO4**	**L6**
9	Write a JS Program to compute the Factorial of a user-given number using a Userdefined **function** & attach the Output.	**CO4**	**L6**
10	Write a JS Program that is used to take some data (like Integer, Float, String, Boolean, Null, etc.) from the user by using the for loop, store these into an array, & display the values by using the **forEach** loop & attach the Output.	**CO4**	**L6**
11	Write a JavaScript program to check whether the user-given string is a Palindrome or not by using a for loop and the length property to calculate the string size & attach the Output.	CO4	**L6**
12	Write a JS Program to demonstrate the functionality of all the following methods, applied with a string & also attach the Output: **a. indexOf()** **b. lastIndexOf()** **c. slice()** **d. replace()** **e. replaceAll()**	**CO4**	**L6**

Note:

1. Assignment carries a weightage of **20 marks out of 100**
2. Course outcome CO4 was covered.

Course Outcomes	CO1	Explain fundamental concepts of web development, including client–server interaction, software stacks, and developer tools.
	CO2	Create structured web pages using HTML elements, attributes, forms, links, tables, and multimedia.
	CO3	Apply CSS for styling and layout, utilizing selectors, positioning, flexbox, and grid systems to design visually appealing pages.
	CO4	Develop interactive and dynamic web pages using JavaScript, DOM manipulation, events, and Web APIs.
	CO5	Demonstrate best practices in accessibility, responsive design, and performance by applying standards, testing tools, and assistive technologies.
	CO6	Build modern frontend applications by integrating CSS preprocessors, React-based single-page applications, and cross-platform mobile development using React Native.