

### Lesson Plan

<b>Name of the Faculty:</b>	<b>Ms. Mohit</b>
<b>Discipline:</b>	<b>BCA</b>
<b>Semester:</b>	<b>4<sup>th</sup></b>
<b>Subject:</b>	<b>Front-end Development (B23-CAP-402 )</b>
<b>Work Load(Lecture/Practical) per week(In hours):</b>	<b>Lecture-4</b>

S. No	Lecture No.	Theory	
		Topic(Including Assignment/Test/Quiz)	Pedagogy ( PPT/Chalk and Board/Video Recording /Activity/Case Study)
1.	L1.	Introduction to objects	Chalk and Board and PPT
2.	L2.	Type of objects in JavaScript	Chalk and Board and PPT
3.	L3.	Creating objects	Chalk and Board and PPT
4.	L4.	Object methods	Chalk and Board
5.	L5.	Constructor function	Chalk and Board
6.	L6.	Prototype in JavaScript	Chalk and Board
7.	L7.	Inheritance using prototype chain	Chalk and Board and PPT
8.	L8.	Introduction to regexp	Chalk and Board and PPT
9.	L9.	Regular expression usage	Chalk and Board
10.	L10.	Modifiers	Chalk and Board and PPT
11.	L11.	Regex patterns	Chalk and Board
12.	L12.	Regex methods	Chalk and Board and PPT
13.	L13.	String methods for regexp	Chalk and Board and PPT
14.		<b>Assignment1</b>	On Paper
15.	L14.	Type conversion in JavaScript	Chalk and Board and PPT

16.	L15.	JavaScript events	Chalk and Board
17.	L16.	Event handler	Chalk and Board
18.	L17.	Event flow	Chalk and Board
19.	L18.	Event bubbling and capturing	Chalk and Board and PPT
20.	L19.	Event listeners	Chalk and Board and PPT
21.	L20.	Event types	Chalk and Board
22.	L21.	Introduction to DOM, Types of DOM	Chalk and Board and PPT
23.	L22.	DOM standards and methods	Chalk and Board and PPT
24.	L23.	Manipulating documents using DOM	Chalk and Board and PPT
25.	L24.	Handling images	Chalk and Board
26.	L25.	Table manipulation	Chalk and Board
27.	L26.	Animation	Chalk and Board and PPT
28.	L27.	Node and Node-list handling	Chalk and Board and PPT
29.		<b>Assignment2</b>	On Paper
30.	L28.	Introduction to BOM, DOM vs. BOM differences	Chalk and Board and PPT
31.	L29.	Window object and methods	Chalk and Board and PPT
32.	L30.	BOM navigator	Chalk and Board and PPT
33.	L31.	BOM history, BOM location	Chalk and Board
34.	L32.	BOM timer	Chalk and Board and PPT
35.	L33.	Session and persistent cookies	Chalk and Board and PPT
36.	L34.	Introduction to forms	Chalk and Board and PPT
37.	L35.	Form processing	Chalk and Board and PPT
38.	L36.	Forms object	Chalk and Board and PPT

39.	L37.	Accessing data from forms	Chalk and Board and PPT
40.	L38.	Form validation	Chalk and Board and PPT
41.	L39.	Additional features in forms	Chalk and Board and PPT
42.	L40.	Validation APIS	Chalk and Board and PPT
43.		<b>Assignment3</b>	On Paper
44.	L41.	Introduction to jquery, jquery Syntax	Chalk and Board and PPT
45.	L42.	Jquery Selectors	Chalk and Board and PPT
46.	L43.	Jquery Events	Chalk and Board and PPT
47.	L44.	Jquery Effects	Chalk and Board
48.	L45.	Jquery HTML	Chalk and Board
49.	L46.	Jquery Traversing	Chalk and Board and PPT
50.	L47.	Jquery AJAX	Chalk and Board and PPT
51.	L48.	Jquery Misc	Chalk and Board and PPT