

START DATE: _____
 STUDENT NAME: _____

JavaScript Event Calendar
 (CS/IT)

Total Duration: 20Hrs
 MONTH: _____

STUDENT TRANSFER TO _____

TRAINER: _____

TRANSFER DATE: _____

1	2	3	4	5	6	7	8	9
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19	20	21	22	23	24	25	26	27
28	29	30	31					

COURSE CONTENT							
SL. NO.	SESSIONS	Date	Sign	Date	Sign	Date	Sign
1.	Section I Introductory Concepts Introduction Overview of the Power of JavaScript and Its Purpose Introduction Structure Objectives What is JavaScript? History of JavaScript Browser wars The start of JavaScript Why JavaScript? JavaScript features						
2.	JavaScript Objects Introduction Structure Objectives JavaScript objects Primitive values and primitive data types string number bigint						

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	boolean null undefined symbol The object data type Creating objects Object literal syntax Using 'new' with in-built object constructor functions Using 'new' with user defined constructor functions Object.create() Object.assign() ES6 classes The 'this' keyword Method Alone In a function In a function in strict mode In an event						
3.	JavaScript Statements Introduction Structure Objectives Anatomy of a statement JavaScript code blocks Grouping statements while loop						

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	<p>for loop</p> <p>if statement</p> <p>Whitespace and line breaks</p> <p>Whitespace</p> <p>A while loop without whitespace</p> <p>A for loop without whitespace</p> <p>if without whitespace</p> <p>A while loop with whitespace</p> <p>A for loop with whitespace</p> <p>if with whitespace</p> <p>Line breaks</p> <p>A while loop with line breaks and whitespace.</p> <p>A for loop with line breaks and whitespace</p> <p>if with whitespace and line breaks</p> <p>JavaScript keywords</p>						
4.	<p>JavaScript Operators</p> <p>Introduction</p> <p>Structure</p> <p>Objectives</p> <p>What are operators?</p> <p>Major operators</p> <p>Arithmetic operators</p> <p>Comparison operators</p> <p>Logical operators</p> <p>Assignment operators</p> <p>Operator sub-types</p> <p>Unary operators</p>						

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	Binary operators Ternary operators Operator precedence						
5.	JavaScript Functions Introduction Structure Objectives Functions Function declaration Event-invoked function example Directly invoked function example Self-invoked function example Parameters Default values Function expressions Section II The Power of JavaScript Introduction						
6.	JavaScript Classes Introduction Structure Objectives What are classes? Creating a class Class declarations Class expressions Properties Properties of properties						

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	<p>Methods</p> <p>Static methods</p> <p>Inheritance</p>						
7.	<p>JavaScript Generators and Iterators</p> <p>Introduction</p> <p>Structure</p> <p>Objectives</p> <p>What are JavaScript generators?</p> <p>Advantages of generators</p> <p>Lazy evaluation</p> <p>Memory efficiency</p> <p>Iterators</p> <p>Iterables</p> <p>Async iterators vs.async generators</p> <p>Async iterators</p> <p>Code segment 1: Regular iterator</p> <p>Code segment 2: Async iterator</p> <p>Async generators</p> <p>Code segment 3: Regular generator function</p> <p>Code sample 4: Async generator function</p> <p>Section III</p> <p>Using Java Script Productivity</p> <p>Introduction</p>						
8.	<p>Variables</p> <p>Introduction</p> <p>Structure</p> <p>Objectives</p>						

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	Declaring variables Variable scope Local Scope versus Global scope Primitive types String Quotes Backticks Special characters String properties String methods Number Number properties Number methods BigInt Null versus undefined Boolean Symbol						
9.	Control Flow Statements Introduction Structure Objectives Control-flow statements definition if statement else...if statement else statement switch statement Nested statements Conditional operator '?'						

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10.	<p>Loops</p> <p>Introduction</p> <p>Structure</p> <p>Objectives</p> <p>JavaScript loops</p> <p>for</p> <p>for...in</p> <p>for...of</p> <p>while</p> <p>do...while</p> <p>Exiting loops</p> <p>Break</p> <p>break with label</p> <p>The continue statement</p>						
11.	<p>JavaScript Arrays</p> <p>Introduction</p> <p>Structure</p> <p>Objectives</p> <p>Arrays</p> <p>Creating arrays</p> <p>Method 1</p> <p>Method 2</p> <p>Adding items to an array</p> <p>Multidimensional arrays</p>						
12.	<p>Regular Expressions</p> <p>Introduction</p> <p>Structure</p> <p>Objectives</p>						

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	<p>Regular expression definition</p> <p>Using a regular expression literal</p> <p>Calling the constructor function of the RegExp object</p> <p>Regular expression modifiers/flags</p> <p>Regular expression patterns</p>						
13.	<p>Partials and Currying</p> <p>Introduction</p> <p>Structure</p> <p>Objectives</p> <p>Partials</p> <p>Currying</p> <p>Section V</p> <p>Java Script And Friends</p> <p>Introduction</p>						
14.	<p>JavaScript and Other Languages</p> <p>Introduction</p> <p>Structure</p> <p>Objectives</p> <p>Other languages</p> <p>jQuery and JavaScript</p> <p>JSON and JavaScript</p> <p>JavaScript objects</p> <p>The Object data type</p> <p>Creating JavaScript objects</p> <p>Object literal syntax</p> <p>The 'new' keyword</p> <p>Creating JSON objects</p>						

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	Rules for valid JSON AJAX and JavaScript Languages based on or influenced by JavaScript ActionScript CoffeeScript TypeScript						
15.	Practice Sessions						
16.	Practice Sessions						
17.	Practice Sessions						
18.	Final Output and Delivery.....						