

SLOG SOLUTIONS PRIVATE LIMITED
TECHNOLOGY: JAVASCRIPT
DURATION: MODULE 1 (4 WEEKS)
MODULE 1 + 2 (6 WEEKS)

MODULE 1:

INTRODUCTION TO JAVASCRIPT

Introduction to JAVASCRIPT

JavaScript Virtual Machine(JSVM)

Introduction to JavaScript Engines(V8 ,
Chakra and Spider Monkey)

JavaScript variables

Operators in JavaScript

Conditional statements

LOOPS

Arrays

Filter function

Map function

ForEach loop

Reduce function

POP,SHIFT,PUSH,UNSHIFT methods

Functions in JavaScript

Multidimensional Arrays

JavaScript Objects

For In Loop

Arrays within Objects

Functions within objects

The THIS keyword

Objects within arrays

The Scope

Hoisting

Argument Object

Callback Functions

Closures

Arrays and Callbacks

String Functions

Data type Conversion

Objects vs Primitives

Prototypal inheritance

Shared properties and methods

_proto and _prototype object

Encapsulation in JavaScript

DOCUMENT OBJECT MODEL

SELECTING ELEMENTS

Creating new elements

Creating text nodes

Append functions

Replace Child

Remove Child

BROWSER OBJECT MODEL

Window Object

Screen Object

Location Object

Event Handlers

Creating sliders in JavaScript

Animations in JavaScript

Modern JavaScript

ECMAScript 2015

Introduction to TYPESCRIPT

Module 2:

Introduction to NODE JS

Creating Node Server

Understanding requests and responses

Understanding routes

Filtering paths

Understanding GET and POST requests

Installing Nodemon

Understanding Express JS



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