



Website : www.citcchandigarh.com

Course Syllabus: Programming with JavaScript

Batch Name: Programming with JavaScript

Eligibility: 12th

Course Start: 1st of Every Month

Course Duration: 90 Hours

Courses / Modules Paper

Module 1

Paper 1	Paper 2
Introduction to JavaScript	JavaScript Core

Paper 1: Introduction to JavaScript

- 1.1 Basic concepts of JavaScript
- 1.2 What is JavaScript
- 1.3 History of JavaScript
- 1.4 Relation between JavaScript and ECMAScript
- 1.5 Versions of JavaScript

Paper 2: JavaScript Core

Syntax, Variables, Values, Data Types

- 2.1 Syntax review
- 2.2 Keywords and Reserweds
- 2.3 Variable Declaration
- 2.4 Variable and Block Scope

Data Types

- 2.1 Primitive Values
- 2.2 Reference Values
- 2.3 Common Security Threats
- 2.4 Types, Types Conversion
- 2.5 Expressions and Operators
- 2.6 Expressions (arithmetic, relational,logical, assignment and others)
- 2.7 Operators Overview

Control Structures

- 2.1 Flow control and conditionals
- 2.2 Loops and Iteration
- 2.3 Jumps

Error Handling

- 2.1 Throwing Errors
- 2.2 Error Handling

Numbers

- 2.1 Number literals, object and methods
- 2.2 Math, date object and working with numbers



Strings

- 2.1 String literals, object and methods
- 2.2 Working with strings

Arrays

- 2.1 Creating and populating arrays
- 2.2 Array methods and working with arrays

Functions

- 2.1 Defining functions and calling functions
- 2.2 Arguments and parametres
- 2.3 Closures
- 2.4 Arrow Functions

Indexed Collections

- 2.1 Set object type
- 2.2 Map object type

Iterators and Generators

- 2.1 Working with Iterators
- 2.2 Working with Generators