

# JavaScript SYLLABUS

## **JavaScript**

- Language constructs (Variables, objects, etc.)
- Object Hierarchy and predefined objects
- Functions, arguments and function object
- Predefined JavaScript functions

## JavaScript Statements and Operators

- JavaScript Operators (comparison, arithmetic, string, etc.)
- Conditionals and loop statements

## JavaScript Events

- Event Objects and handlers
- · Capture and release events

## JavaScript Arrays and Strings

- Arrays object and methods
- String object, methods and regular expression

#### **Event Handling and Object**

- DOM
- BOM
- Objects
- Form validation
- Events
- Demo: Change and access HTML elements
- Demo: Change CSS Properties value
- Demo: Validations on HTML Form elements

#### Internal Memory Management

- Closures
- Function Execution
- Variable Shadowing
- Memory Management

• Garbage Collection

• Demo: Call and define functions

• Demo: Use local and global variables