

## **SYLLABUS OF JavaScript**

### **OVERVIEW OF JavaScript**

- ✓ Introduction of Javascript
- ✓ Syntax
- ✓ JS Example
- ✓ JS variables
- ✓ JS Data Types
- ✓ JS Operators
- ✓ JS Function

### **Developer Essentials**

- ✓ The development workflow
- ✓ Selecting the right tools for the job
- ✓ Just enough HTML and CSS
- ✓ Understanding objects
- ✓ Understanding variables
- ✓ Making comparisons
- ✓ Understanding events

### **C# Control Statement**

- ✓ JS if-else
- ✓ JS switch
- ✓ JS For Loop
- ✓ JS While Loop
- ✓ JS Do-while loop
- ✓ JS Break
- ✓ JS Continue
- ✓ JS Goto
- ✓ JS Comments

### **JavaScript Objects**

- ✓ JS Object
- ✓ JS Array
- ✓ JS String
- ✓ JS Date
- ✓ JS Math
- ✓ JS Number
- ✓ JS Boolean

### **JavaScript BOM**

- ✓ Window object
- ✓ History object
- ✓ Navigator Object
- ✓ Screen Object

### **JavaScript DOM**

- ✓ getElementById()
- ✓ getElementByClassName()
- ✓ getElementByName()
- ✓ getElementByTagName()
- ✓ JS innerHTML Property

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### **JavaScript Validation**

- ✓ **JS form validation**
- ✓ **JS email validation**

### **JavaScript OOPs**

- ✓ **JS Class**
- ✓ **JS Object**
- ✓ **Prototype**
- ✓ **JS Constructor Method**
- ✓ **JS Static Method**
- ✓ **JS static Method**
- ✓ **JS Encapsulation**
- ✓ **JS Inheritance**
- ✓ **Polymorphism**
- ✓ **Abstraction**

### **JavaScript Cookies**

- ✓ **JS Cookies**
- ✓ **Cookie Attributes**
- ✓ **Cookie with multiple Name**
- ✓ **Deleting Cookies**

### **Building Smarter Forms**

- ✓ **Getting started**
- ✓ **Creating jump menus** **Creating dynamic menus**
- ✓ **Requiring fields**
- ✓ **Cross-checking fields**
- ✓ **Displaying more informative errors**
- ✓ **Verifying radio button selections**
- ✓ **Setting one field with another field**
- ✓ **Verifying email addresses**

### **JavaScript Event**

- ✓ **Responding to window events**
- ✓ **Responding to mouse movements**
- ✓ **Responding to mouse clicks**
- ✓ **Responding to onBlur form events**
- ✓ **Responding to onFocus form events**
- ✓ **Responding to keyboard events**

### **Exception Handling**

- ✓ **JS Exception Handling**
- ✓ **JS try-catch**

### **JavaScript Misc**

- ✓ **JS this Keyword**
- ✓ **JS Debugging**
- ✓ **JS Hosting**
- ✓ **JS Strict Mode**
- ✓ **JavaScript Compare Date**

## **JavaScript Advance**

- ✓ **JS TypedArray**
- ✓ **JS Set**
- ✓ **JS Map**
- ✓ **JS WeakSet**
- ✓ **JS WeakMap**

## **Real World Applications of JavaScript**

- ✓ **Creating sliding menus**
- ✓ **Creating pop-up menus**
- ✓ **Creating slideshows with captions**
- ✓ **Creating a stylesheet switcher**