

# MERN Full Stack

## HTML Syllabus

- HTML Basics And History
- HTML Setup and Hello Program
- HTML Heading Tag
- HTML Tags
- HTML Input and Label
- HTML Radio Button and Check Box
- HTML Button
- HTML File, Textarea and Select Tag
- HTML List
- HTML Image
- HTML Table



# CSS Syllabus

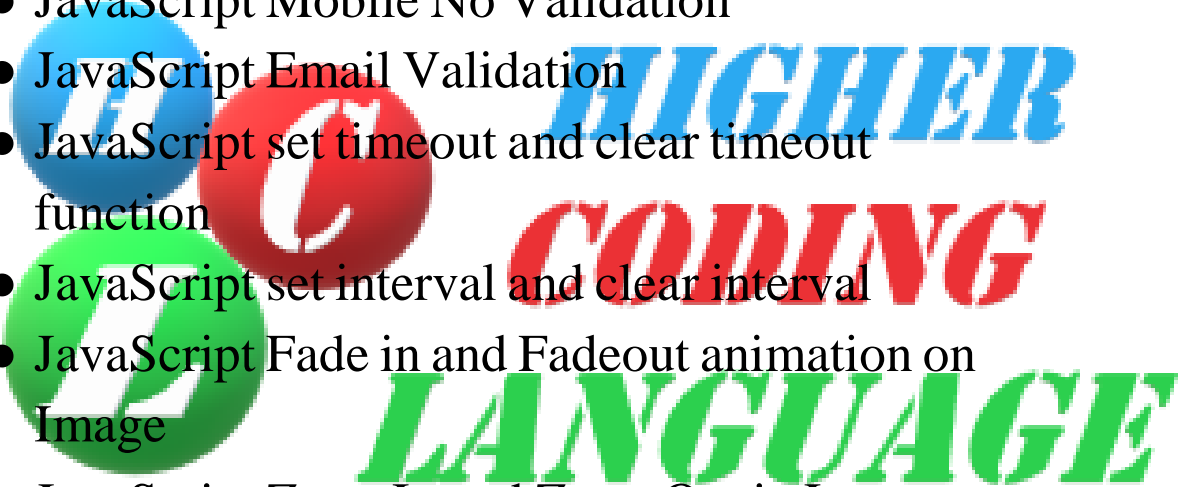
- CSS Basics
- CSS Inline and Internal Online
- CSS External CSS
- CSS Div Example
- CSS Background Properties
- CSS Border Properties
- CSS Font Properties
- CSS List Style Properties
- CSS Margin And padding
- CSS Text Properties
- CSS Sudo Classes
- CSS Outline



# JavaScript Syllabus

- JavaScript Introduction
- JavaScript Parts Of Web Development
- JavaScript Setup
- JavaScript Hello Program
- JavaScript Data Types
- JavaScript Operators
- JavaScript Arithmetic Operation
- JavaScript Types of Statement
- JavaScript if-else Statement
- JavaScript Ladder if else Statement
- JavaScript Switch case Statement
- JavaScript do While loop
- JavaScript While loop
- JavaScript for loop
- JavaScript Function Introduction
- JavaScript Function Types
- JavaScript Global and Local Variable
- JavaScript Array
- JavaScript Class Object
- JavaScript Constructor
- JavaScript Dynamic Object

- JavaScript Button Click Event
- JavaScript Textbox
- JavaScript Radio Button
- JavaScript Dropdown List
- JavaScript getElementByTagName
- JavaScript getElementsByClassName
- JavaScript onmouseover & onmouseout Event
- JavaScript Validation
- JavaScript Regular Expression
- JavaScript Mobile No Validation
- JavaScript Email Validation
- JavaScript set timeout and clear timeout function
- JavaScript set interval and clear interval
- JavaScript Fade in and Fadeout animation on Image
- JavaScript ZoomIn and ZoomOut in Image



# JQuery Syllabus

jQuery Introduction

jQuery Setup

jQuery Selectors

jQuery With CSS

jQuery Advanced Selectors

jQuery Events

jQuery single Click and Double Click

jQuery Hide and Show Effects

jQuery Keyboard Events

jQuery Mouse Events

jQuery Focus and Blur Events

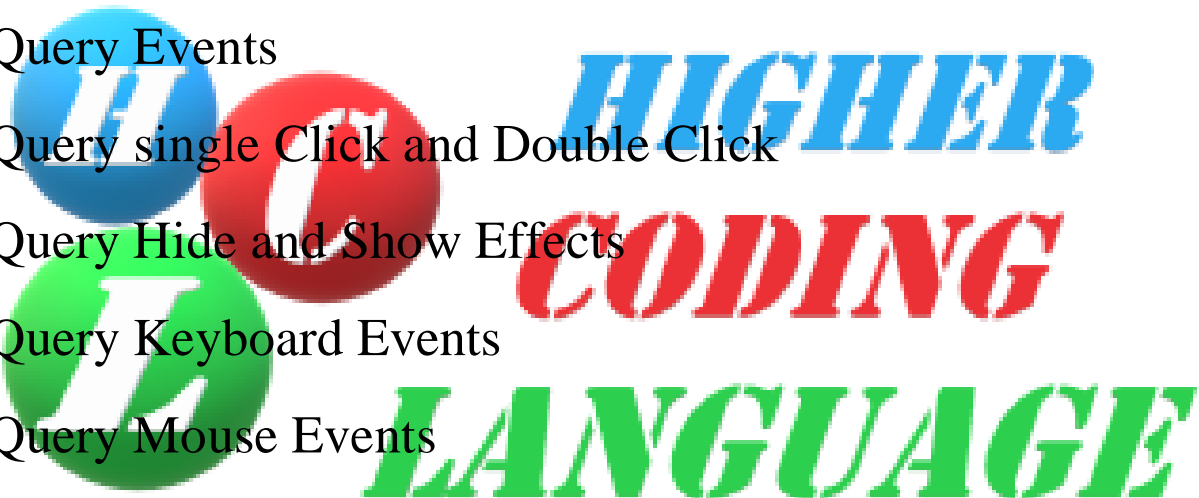
jQuery Toggle Effects

jQuery Slider Effects

jQuery fade-in and Fadeout

jQuery Calendar

jQuery Calendar min and max date



jQuery Animation

jQuery popup

jQuery Validation



# Bootstrap Syllabus

bootstrap Introduction

bootstrap Setup Manually

bootstrap Setup with CDN

bootstrap lib customization

bootstrap Website



# React JS Syllabus

- React Introduction
- Environment up with Windows
- Hello world
- File and folder structure
- Package.json in Details
- functional Component
- Class Component
- JSX with Reactjs
- Click event and function in ReactJs
- State with functional component
- State with class component
- Props with functional component
- Props in class component
- Get Input box value
- Hide , Show and Toggle in ReactJs
- Handle Form \_ checkbox \_ input field \_ select
- Conditional rendering \_ If Condition
- Basic Form validation
- What is life cycle method
- Constructor \_ First life cycle method
- Render life cycle method
- componentDidMount lifecycle method in ReactJs
- componentDidUpdate life cycle method in ReactJs
- shouldComponentUpdate life cycle method
- componentWillUnmount life cycle method
- Hooks in ReactJs
- useEffect Hook in ReactJs
- useEffect with condition like component did mount
- style in ReactJs

**HIGHER  
CODING  
LANGUAGE**



- Install Bootstrap
- Array Listing with Map function
- List with Bootstrap Table
- Reuse component in loop
- fragment in ReactJs
- Send Data Child to Parent Component
- Pure component in ReactJs
- useMemo Hook
- Ref with Example
- useRef Hook example
- forwardRef example
- Controlled Component
- Uncontrolled Component
- Higher order component (HOC)
- Routing Setup
- Routing with Example
- Page Not Found - 404 Page
- Dynamic Routing
- fetch API \_ GET method
- What is Postman in Hindi
- POST Method in Rest API
- Delete Method in React API
- Update Data with API \_ Put Method

**HIGHER  
CODING  
LANGUAGE**

# Node JS Syllabus

- Node js introduction
- Install node js
- First node js program
- Javascript basics
- Flow control
- Array
- Foreach loop map and filter
- Arrow or callback function
- Node js inbuilt module
- Node js package.json file
- Nodemon package
- Basic API
- Node js input output using command
- File operation
- Node js asynchronization
- Node js architecture
- Express introduction
- Routing
- Display html and json data
- Static pages
- Ejs template engine
- Dynamic routing
- Express js middleware

**HIGHER**  
**CODING**  
**LANGUAGE**

- Route middleware express js
- Install mongoDB
- MongoDB crud operations
- Node js with mongoDB
- Read data in mongoDB
- Insert data in mongoDB
- Update data in mongoDB
- Delete data from mongoDB
- Get API in MongoDB
- POST API in MongoDB
- PUT API in MongoDB
- DELETE API in MongoDB
- Mongoose in node js
- Mongoose crud operations
- POST API in Mongoose
- PUT api in Mongoose
- Upload file
- Node in mysql
- GET and POST API with node js
- PUT and DELETE API with node js

