MEAN Stack Development Syllabus

DURATION – 6 MONTHS

MODE OF TRAINING – OFFLINE/ONLINE

HTML

- **Introduction to HTML**
- **Basic HTML Tags**
- **Text Formatting & Styles**
- **Lists**
- **Links & Navigation**
- **Images & Multimedia**
- **Tables**
- **Forms & Input Elements**

HTML5

- **Introduction to HTML5**
- **Semantic Elements**
- **HTML5 Forms & Input Types**
- **Audio & Video**
- **SVG (Scalable Vector Graphics)**
- **Project-1 static website**

CSS

- **Introduction to CSS**
- **Selectors & Combinators**
- **Box Model**
- **Colors & Backgrounds**
- **Typography (Fonts & Text Styling)**
- **Lists & Tables**
- **CSS Positioning & Layout**

CSS 3

- **Introduction to CSS 3**
- **Flexbox**
- **Grid Layout**
- **Pseudo classes and Pseudo elements**
- **Transitions & Animations**
- **CSS3 Shadows & Effects**
- **Media Queries & Responsive Design**
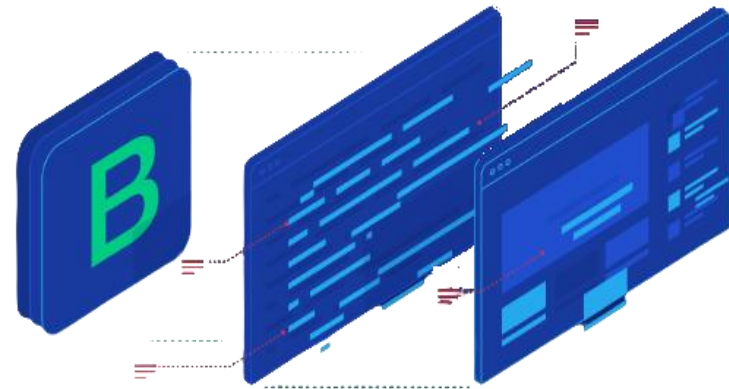- **Advanced CSS Techniques**
- **Project-2 Responsive Website**

BOOTSTRAP 4

BOOTSTRAP 4

- **Installation Of Bootstrap 4**
- **Bootstrap Forms**
- **Bootstrap Containers**
- **Bootstrap Colors**
- **Bootstrap Buttons**
- **Bootstrap Cards**
- **Bootstrap Dropdowns**
- **Bootstrap Navbar**
- **Bootstrap Carousel**
- **Bootstrap Components**
- **Bootstrap Grid System**
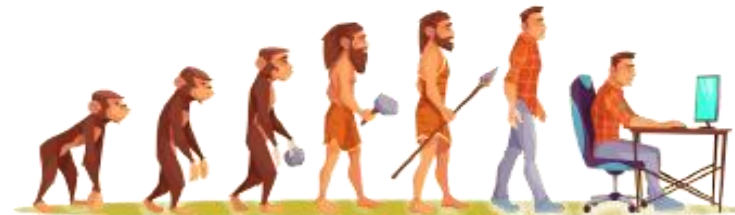- **Project-3 Responsive Website Development**

JavaScript

- **Introduction to JavaScript**
- **JavaScript Basics**
- **Control Structures**
- **Functions**
- **Arrays & Objects**
- **DOM Manipulation**
- **Event Handling**
- **ES6+ Features**

Advance Java Script

- **Asynchronous Programming**
- **Closures & Scope**
- **Error Handling**
- **Project-4**

JQuery Syllabus

- **jQuery Intro**
- **jQuery Syntax**
- **jQuery Selectors**
- **jQuery Effects**
  Hide/Show,Fade, Slide ,Animate,stop() ,Callback, Chaining
- **jQuery Get & Set**
- **jQuery Add jQuery & Remove**
- **jQuery CSS Classes & css(),Dimensions**
- **jQuery Traversing**
- **jQuery Traversing, Ancestors, Descendants, Siblings, Filtering**
- **jQuery AJAX**
- **1 Template website**

Angular 18

- **Introduction to Angular 18**
- **Introduction to TypeScript and ES6**
- **Project Structure**
- **Components and Templates**
- **Data and Event Binding**
- **Directives**
- **Structural Directives**
- **Attribute Directives**
- **Services and Dependency Injection**
- **Routing and Navigation**
- **Forms and User Input**
- **API Handling**
- **HTTP Client and Observables**
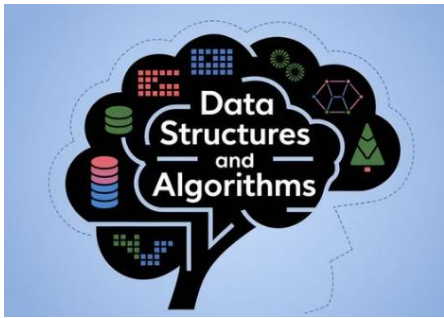- **Advanced Angular Features**

Version Control System

- **Introduction to Version Control**
- **Getting Started with Git**
- **Git Workflow**
- **Branching in Git**
- **Merging and Resolving Conflicts**
- **Working with GitHub**
- **Collaboration Workflows**
- **Advanced Git Commands and Techniques**
- **Best Practices for Git and GitHub**

Data Structures and Algorithms

- **Time & Space Complexity**
- **Recursion**
- **Math Problem & Algorithm**
- **Linked List**
- **Stacks and Queues**
- **Sorting Algorithms (Bubble, Selection, Insertion, Merge, Quick)**
- **Searching Algorithms (Binary Search, Linear)**

Node Js

- **Introduction to Node.js and Setup**
- **Modules and NPM**
- **Core Modules in Node.js**
- **File System Operations**
- **Creating a server with HTTP**
- **Middleware**
- **Asynchronous Programming in Node.js**
- **Working with Databases**

Express js

- **Introduction & Setup of Express.js**
- **Express.js Fundamentals**
- **Working with Templates & Views**
- **Handling Forms and Requests**
- **Database Integration**
- **Authentication & Authorization**
- **REST API Development**
- **File Uploads and Handling**
- **Web Sockets and Real-time Communication**

MongoDB

- **Introduction to MongoDB**
- **MongoDB Basics**
- **CRUD Operations in MongoDB**
- **Database Integration**
- **Querying and Filtering Data**
- **Indexing in MongoDB**
- **Aggregation Framework**
- **Relationships in MongoDB**
- **MongoDB with Node.js**
- **MongoDB Cloud**

SQL Syllabus

- **Microsoft SQL Server installation**
- **Introduction to Basic Database Concepts**
- **Introduction to SQL Server**
- **DDL and DML Statements**
- **Working with Constraints**
- **Working with Queries (DQL)**
- **Joins and Set Operations**
- **Implementing Views**
- **Working with Stored Procedures and Functions**
- **Cover 400+ queries**

Aptitude

Quantitative Aptitude

- Average
- Percentage
- Profit and Loss
- Simple Interest
- Compound Interest
- Ratio Proportion
- Time and Work
- Time
- Speed
- Distance Number
- System
- Permutation and Combination
- Probability
- Data Interpretation

Logical Reasoning

- Blood Relation
- Direction sense
- Coding and decoding
- Clocks and Calendar
- Cubes and Dices
- Seating arrangement
- Syllogism
- Data sufficiency
- Puzzles
- Miscellaneous

- **Setting the tone**
- **Introduction of Be Employable**
- **Competency Matrix**
- **Effective Communication**
- **Presentation skills**
- **Business Communication**
- **Attitude + Motivation**
- **Emotional Intelligence**
- **Leadership**
- **Create CV/Resume**
- **Group Discussion**
- **Mock Group Discussion**
- **PI practice**
- **Virtual Interview**
- **Industry Knowhow and future, Certifications and action plan**

Key Feature

- **Trainer with 12+ Years of Experience**
- **200 hours of high-quality course**
- **Best Quality Training**
- **Live Project Experience**
- **Demo Lectures are available**
- **In-depth Course Contents**
- **100 % Placement Assistance**
- **Internship support**

Orange Itech Offer You

THANK YOU

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