



JAVA Fullstack Development Syllabus

DURATION – 6 MONTHS

MODE OF TRAINING – OFFLINE/ONLINE



HTML Syllabus



- **Introduction to HTML**
- **HTML Tags and Elements**
- **HTML –Attributes**
- **HTML -Formatting**
- **HTML –Phrase Tags**
- **HTML - Metatags**
- **HTML –Comments**
- **HTML-Image tags**
- **HTML Tables**
- **HTML –Lists**
- **HTML -Iframes**
- **HTML –Blocks**
- **HTML –Backgrounds**
- **HTML -Colors,Fonts**



HTML5 Syllabus



- **Understanding Web Concepts & Terminologies**
- **HTML -Forms**
- **New Feature in HTML5**
- **HTML Content / Media Tags**
- **HTML5 Semantic Tags**
- **Media Queries**
- **Project-1 static website**





CSS Syllabus



- **Introduction with CSS**
- **The STYLE Element**
- **Measurement Units**
- **Colors,Backgrounds**
- **Fonts,texts,images**
- **Tables**
- **Borders**
- **Margins**
- **Paddings**





CSS 3 - Syllabus



- **Introduction with CSS3**
- **Rounded Corners**
- **Border Image**
- **Shadow**
- **2dTransforms**
- **3dTransforms**
- **Animation**
- **User Interface**



Activate Windows

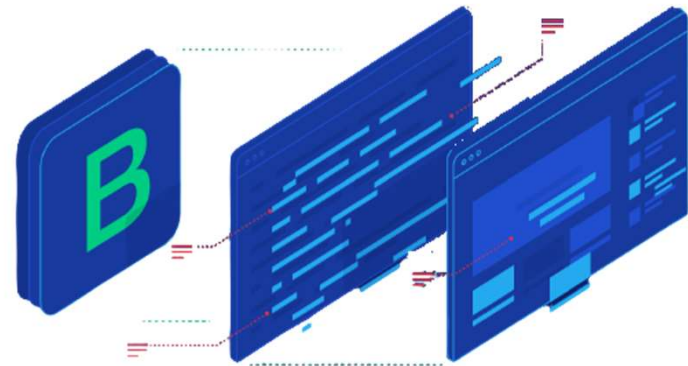


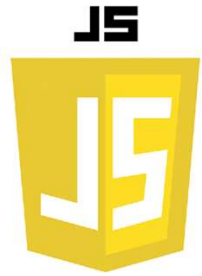
BOOTSTRAP 4 Syllabus



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**
- **Responsive Website Development**

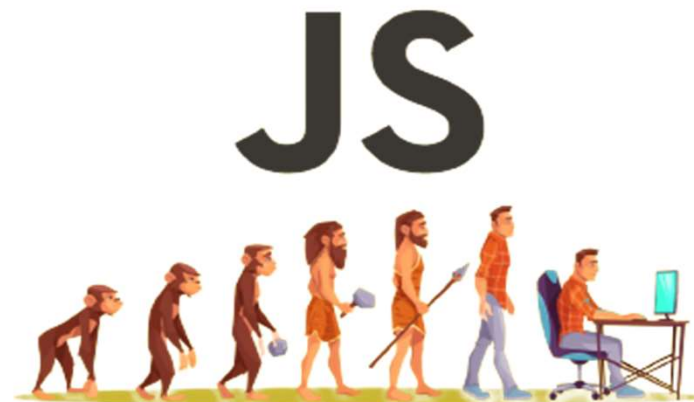


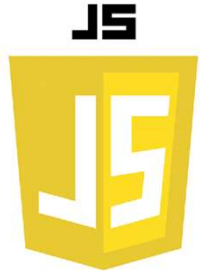


Java Script Syllabus



- **Variables, Operators**
- **Control structure**
- **Function**
- **Events**
- **Dynamic Program**
- **Strings Object And Arrays Object**
- **Date Object And RegExpObject**
- **Math Object**
- **JavaScript -Document Object Model or DOM**





Advance Java Script Syllabus



- **Errors & Exceptions Handling**
- **Form Validation**
- **Animation**
- **Multimedia**
- **Debugging**
- **Image Map**
- **Browsers Compatibility**



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**



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Angular 16 Syllabus



- **Introduction to Angular16**
- **Development Setup of Angular**
- **Components in Angular**
- **Data and Event Binding**
- **Structural Directives**
- **Template Driven Forms**
- **Reactive Forms**
- **Angular Modules**



Core Java Syllabus



- **Basic of Java**
- **Feature of Java,JVM**
- **Control Statement**
- **Java conversion**
- **Methods**
- **Arrays**
- **Strings**
- **Exception Handling**
- **Class & Object**
- **Inheritance**
- **Interface & Abstraction**
- **Polymorphism**
- **File IO**
- **Collections**
- **Swing,AWT,Event**
- **Lambda function**
- **Java 8 feature**
- **Stream API**



ADV JAVA Syllabus



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- **Java Database Connectivity**
 - **Networking in Java**
 - **Multithreading**
 - **Servlet**
 - **JSP**
 - **Project on Window based Application & Project on Web based Application**

HIBERNATE Syllabus



- **Introduction to Hibernate**
- **Hibernate Configuration**
- **Hibernate O-R Mapping**
- **Hibernate using XML & annotation**
- **Hibernate Concepts**
- **Manipulating and Querying**
- **Collection Mapping**
- **HCQL**
- **HQL**
- **NamedQuery**
- **Integration with Spring**
- **Transaction and Concurrency**

Spring Syllabus

- Introduction
- Build System
- Code Structure
- Spring- Beans
- Dependencies Injection
- IOC
- Annotations
- Injectors
- Maven Project
- Cross Platform Configuration And MGT
- GIT Integration And Handling
- Jar Creation
- SPRING- MVC**
- Spring MVC Architecture
- Handler Mapping
- View Resolver
- Controller classes
- Spring MVC Flow
- Annotation driven Controller
- Form Processing
- Autowriting
- Spring MVC CRUD Operation



Spring Boot Syllabus

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- **Spring boot introduction**
 - **Spring boot Annotation**
 - **Configuration using spring boot**
 - **Rest API using spring boot**
 - **CRUD operation using REST API**
 - **Postman tool**
 - **Microservices using REST API**
 - **Project using Spring boot with Hibernate**
 - **Transaction Management**
 - **Spring vs Spring Boot vs Spring MVC**
 - **Spring boot with CLI**
 - **Spring boot Annotations**
 - **Spring boot Dependency Management**
 - **Spring boot Application Properties**
 - **Spring Boot AOP**
 - **Spring boot Caching**



SQL Syllabus



- **MYSQL 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 Syllabus

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



Softskill Syllabus

- **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



INTERNSHIP





THANK YOU

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