JAVA Fullstack Development Syllabus

DURATION – 6 MONTHS
MODE OF TRAINING – OFFLINE/ONLINE

C Programming Syllabus

- **Basic of Java**
- **Variables and Constants**
- **Data types**
- **Operators**
- **Control Statements**
- **Arrays And Strings**
- **Structures**
- **Pointers**

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

HTML Syllabus

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

ADV JAVA Syllabus

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

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**
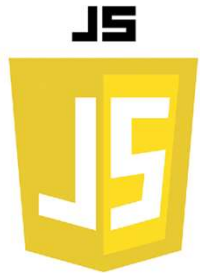- **Margins**
- **Paddings**

CSS 3 - Syllabus

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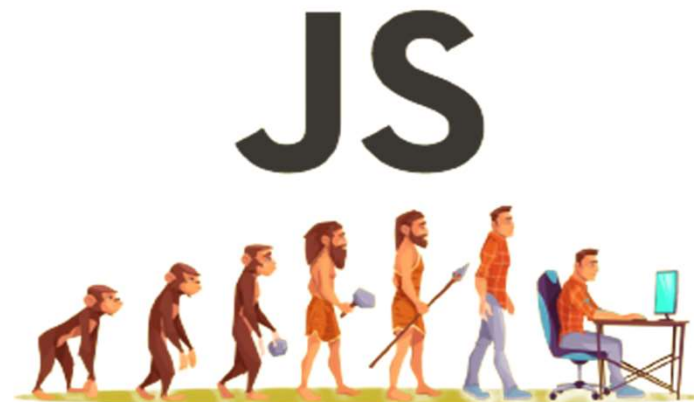- **Animation**
- **User Interface**

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**

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

- **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 Mansagement**

- **Spring vs Spring Boot vs Spring M**
- **Spring boot with CLI**
- **Spring boot Annotations**
- **Spring boot Dependency Managen**
- **Spring boot Application Propertie**
- **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**

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 20+ 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**

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THANK YOU

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