Flutter Development Syllabus

DURATION – 5 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**
- **HTMLTables**
- **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**
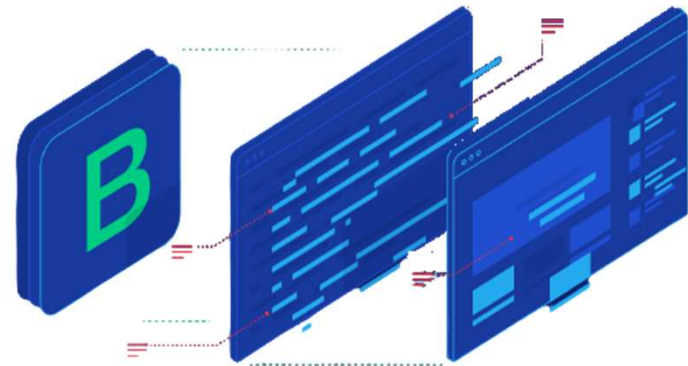- **3dTransforms**
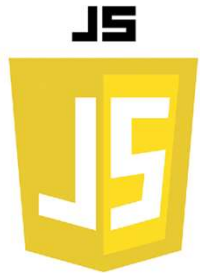- **Animation**
- **User Interface**

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**
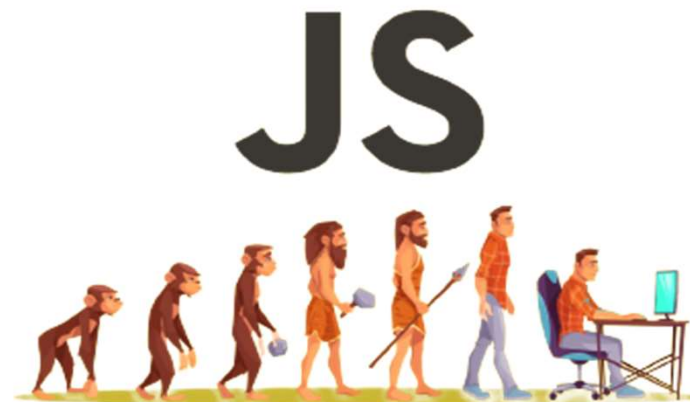- **Responsive Website Development**

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**

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**

Flutter Development Syllabus

Introduction to Flutter

- **Features of Flutter**
- **Advantages of Flutter & Disadvantages of Flutter**
- **Flutter Installation - Installation in Windows- Installation in Mac OS**
- **Creating Simple Application in Android Studio**
- **Architecture of Flutter Applications**

Flutter Basics

- **Widgets**
- **Gestures**
- **Introduction to Dart Programming**
- **Variables and Data types**
- **Decision Making and Loops &Functions**
- **Object Oriented Programming**
- **Introduction to Widgets**
- **Widget Build Visualization**

Flutter Development Syllabus

Dart Programming

- **Basic Programming**
- **OOP Concept**
- **Exception Handling**
- **Debugging**

Asynchronous Programming –

- **Futures, Async, Await, StreamsIntroduction to Layouts**
- **Type of Layout Widgets**
- **Single Child Widgets**
- **Multiple Child Widgets**
- **Advanced Layout Application**
- **Introduction to Gestures •**
- **Statement Management in Flutter**
- **Ephemeral State Management**
- **Application State ,scoped model , Navigation and Routine**

Flutter Development Syllabus

UI development

- **Styles and assets ,fonts**
- **Model API ,Media query**
- **Working with lists and grids in Flutter Implementing**
- **animations in Flutter**
- **Customizing UI with Flutter**
- **drawing and painting Using Flutter packages to enhance UI**

API in Flutter

- **Introduction to API,package**
- **Types of Packages Using a Dart Package**
- **Develop a Flutter Plugin Package**
- **Accessing Rest API**
- **Basic Concepts**
- **Accessing Product service API**

Flutter Development Syllabus

Flutter and Firebase

- **Introduction to Firebase and its features**
- **Integrating Firebase with Flutter apps**
- **Implementing user authentication with Firebase**
- **AuthenticationUsing Firestore for real-time database in**

Testing and Debugging

- **Writing unit tests for Flutter apps**
- **Debugging Flutter apps using Flutter Dev Tools**
- **Performing integration testing**
- **Flutter Handling errors and exceptions in Flutter**

Flutter Development Syllabus

Database Concepts

- SQLite- Cloud Fire store •
- Internalization on Flutter Using intl Package
- Testing on Flutter
- Types of Testing
- Widget Testing
- Steps Involved
- Working Example-Deployment
- Android Application
- IOS Application
- Development Tools
- Widget Sets
- Flutter Development with Visual Studio Code- Dart DevTools- Flutter SDK

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

THANK YOU

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