



Android App Development

Android Development Syllabus

DURATION – 5 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 Stylin**
- **Lists & Tables**
- **CSS Positioning & Layout**



Activate Windows



CSS 3



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



Activate Windows

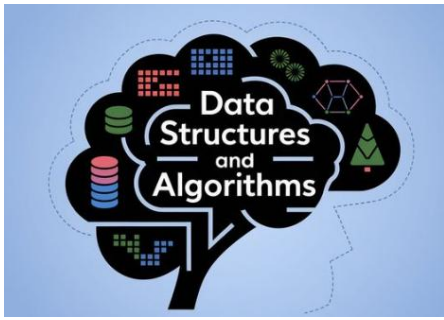


Version Control System



- **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)





Core Java



-
- **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**



Android App Development



- **Introduction to Android Development**
- **UI Design & User Interaction**
- **Activities, Intents & Fragments**
- **Android Components**
- **Data Storage & Database Management**
- **Networking & Web Services**
- **Background Tasks & Multi-threading**
- **User Interaction & Input Handling**
- **Networking & API Integration**
- **Advanced UI & Animations**
- **Security & Performance Optimization**
- **Testing & Debugging**





SQL



- **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

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



-
- **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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