



Android App Development

"Innovate the Mobile World, Build Smarter with Android Apps"

SYLLABUS

Version: 1.0

About Apponix Academy


- ✦ Apponix Academy is a leading training institute offering both online and offline courses in trending technologies like Cloud Computing, DevOps, Cyber Security, Full Stack Development, Data Science, Digital Marketing, and more.
- ✦ Established in 2013, Apponix has trained over 50,000 students across India and abroad, helping them build successful careers in the tech industry.
- ✦ With centers in Bangalore, Pune, Mumbai, Hubli, Aurangabad, Tumkur, Trichy, Gwalior, Ranchi, and more, Apponix continues to expand rapidly across the country.
- ✦ All our courses are designed to be job-oriented, practical, and aligned with real-world industry requirements.
- ✦ Our training is delivered by 100+ highly experienced corporate trainers who are experts in their respective fields.
- ✦ We offer flexible learning options, allowing students to choose between classroom sessions and live online classes.
- ✦ Apponix is ISO certified and provides globally recognized certifications from AWS, Microsoft, and Google.
- ✦ Over 3,000+ Apponix alumni are successfully placed in top MNCs with salaries above ₹15 LPA.
- ✦ Our focus is on 100% hands-on learning, project-based assignments, and real-time case studies.
- ✦ We provide complete career support including resume building, interview preparation, and placement assistance.
- ✦ With a strong presence and proven track record, Apponix Academy continues to be a trusted name in professional IT training.





COURSE KEY FEATUERS




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 Designated Placement Advisor

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 Mini Android App Projects

 Mock interview sessions

 Delivered by Industry Experts

 Weekdays & Weekend Classes

 Weekly Practice Assignments

 Industry Relevant Courses



Awards & Accreditations



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**Most Promising
Training Institute**



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Sample Certificate



Android App Development

1: Getting Started with Basics of Java

- Java - What, Where and Why?
- History and Features of Java
- Internals of Java Program
- Difference between JDK,JRE and JVM
- Internal Details of JVM
- Variable and Data Type
- Unicode System
- Naming Convention
- The Structure of Java Code
- How to Run your Java Programs
- Printing to the Output Window

2.OOPS Concepts

- Advantage of OOPs
- Object and Class
- Method Overloading
- Constructor
- Static variable, method and block
- this keyword
- Inheritance (IS-A)
- Aggregation and Composition(HAS-A)
- Method Overriding
- Covariant Return Type
- super keyword
- Instance_INITIALIZER block
- final keyword
- Runtime Polymorphism
- static and Dynamic binding
- Abstract class and Interface
- Downcasting with instanceof operator
- Package and Access Modifiers

- Encapsulation
- Object Cloning
- Java Array
- Call By Value and Call By Reference
- Strictfp keyword
- Creating API Document

3: String Handling

- String: What and Why?
- Immutable String
- String Comparison
- String Concatenation
- Substring
- Methods of String class
- StringBuffer class
- StringBuilder class
- Creating Immutable class
- toString method
- StringTokenizer class
- Upper and LowerCase
- The compare Method
- The equals Method
- The replace Method
- Printing Formatted Strings

4 : Exception Handling

- Exception Handling: What and Why?
- try and catch block
- Multiple catch block
- Nested try
- finally block

- throw keyword
- Exception Propagation
- throws keyword
- Exception Handling with Method Overriding
- Custom Exception

5 : Multithreading

- Multithreading : What and Why?
- Life Cycle of a Thread Creating Thread
- Thread Scheduler
- Sleeping a thread
- Joining a thread
- Thread Priority
- Daemon Thread
- Thread Pooling
- Thread Group
- ShutdownHook
- Performing multiple task by multiple thread
- Garbage Collection
- Runnable class

6 : Control Flow

- If Statements in Java
- If Else Statements
- Boolean Values
- Switch Statements
- Java for Loops
- Java While Loops

7 : Arrays in Java

- Java Arrays
- Arrays and Loops
- Sorting Arrays
- Arrays and Strings
- Multi -Dimensional Arrays
- Array Lists

8: Java Methods

- Java Methods
- Calling your Java Methods
- Passing Values to Methods
- Multiple Method Parameters

9: Synchronization

- Synchronization : What and Why?
- Synchronized method
- Synchronized block
- Static synchronization
- Deadlock
- Inter-thread Communication
- Interrupting Thread

10: Java Form Controls

- Java Forms
- The Different Form Views in NetBeans/Eclipse
- Add a Text Box to a Java Form
- Add a Button to the Form
- Button Properties
- Java Form Events
- Java and Combo Boxes
- Java Check Boxes
- Radio Buttons
- Adding Menus to a Java Form
- Open File Dialogue Boxes
- Opening Files
- Save File Dialogue Boxes

11: Java and Databases

- Java and Databases
- Creating a Database with Java
- Adding Records to Table
- SQL Commands
- Connect to a Database with Java code
- Connecting to the Table

12: Databases and Java Forms

- Databases and Java Forms
- Database Scrolling Buttons
- Move Back Through the Database
- Move to the First and Last Records
- Update a Record
- Add a New Record
- Save a New Record

Delete a Record from a Database

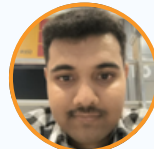
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