

INDUSTRIAL TRAINING**Android**

Duration: 45 Hours

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**Android
INDUSTRIAL
TRAINING****CORE JAVA**

- ❖ Explain JAVA Technology, Java Short History, Comparison of JAVA from C/C++
- ❖ Type of Application of JAVA
- ❖ Data type using Primitive type and Wrapper class
- ❖ Operator and Conditional Statements (if, if—else, nested, else if, multipleif)
- ❖ Control Structure and Switch Statement, Nested Switch Statement
- ❖ Array (One dimension, Multidimensional, Jagged, Object)
- ❖ String class, String Buffer Class, String Builder Class
- ❖ OOP's Introduction, Class and Object, Type of Class, Inner class, Anonymous object, Generic Class, Data abstraction, Encapsulation, Polymorphism, Constructor, Garbage collector, Inheritance, Abstract class, Interface, Super Keyword, this Keyword
- ❖ Exception Handling (Checked, Unchecked)
Explain throw, throwable
- ❖ File Handling (File, File Reader, File Writer, Buffered Reader, Buffered Writer, FileInputStream, FileOutputStream)
- ❖ Serialization and Deserialization
- ❖ Multithreading, explain Thread, Runnable, Sleep, Wait, notify, and notify all,
- ❖ Collection Framework, Wrapper Class, Java 12 Features

Android Content

- ❖ Android Introduction & Represent all Folder, Architecture, Activity life cycle
- ❖ Android complete Widget basic to advance
- ❖ Intent, Layout, Event handling
- ❖ Composite Widget Spinner, Grid, LIST, RecyclerView)
- ❖ Fragments and Type of Fragments
- ❖ Android Menu
- ❖ Storage (Shared preferences, Internal, External)
- ❖ Sqlite, CRUD using Sqlite Operation
- ❖ Broadcast receiver, Animation
- ❖ Store data using Firebase in Android
- ❖ Web Services & JSON
- ❖ Create API using Firebase and Create Complete application
- ❖ Consume API for Login, Registration, Selection, Update and Deletion
- ❖ Android Token Security, File Uploading
- ❖ Play Video in Android
- ❖ Facebook Login, Gmail Login, Payment API, SMS API, Mail Api integration
- ❖ Notification in Android
- ❖ Google Map API Integration
- ❖ How to publish android app in play Store

Database and SDLC

- ❖ SQL Query, Table, Relationship
- ❖ SDLC, E-R Diagram, DFD, CLASS Diagram, Use Case Diagram, SRS, Synopsys, Project Report

