Android Wearable Devices

Objective of Training:

Android Training course will give you knowledge on how to enable android app and register on Google play store. This Android training includes android architecture, various resources and its components, the different styles, intents, menus, notification, the process of the application lifecycle and Google play store registration.

Prerequisites of Training:

- Java. The most basic building block of Android development is the programming language Java.
- SQL
- Android Software Development Kit (SDK) and Android Studio
- XML.
- Perseverance, Collaborativeness, Thirst for Knowledge.

Overview:

In the Android Fundamentals course, you learn basic Android programming concepts and build a variety of apps, using the Java programming language. You start with Hello World and work your way up to apps that schedule jobs, update settings, and use Android Architecture Components. To take the course, you must have experience with the Java programming language.

This Android training will put you on the path to being a certified Android app developer. We'll take you through the basics of Android Studio, the default integrated development environment (IDE) supported by Google to develop Android apps, including user interfaces, activities, controls, layouts, services, content providers, location, multimedia APIs. Then you'll move on to more advanced concepts such as wireless connectivity, syncing to cloud, Android Wear App development, and Google Play. You will acquire the necessary skillsets and experience for

professional Android application development by building six top-trending applications during the course.

The course materials include:

- Code labs with suggested homework assignments: code labs

- Concept reference chapters: Android Developer Fundamentals — Concepts

- Slide decks

- Source code in GitHub for starter apps and solution code for apps that you create in the code labs

Why take this course?

This Android training course is ideal for anyone looking to establish a career in Android app development. This course is best suited for:

- Aspiring app developers seeking to master app development and gain professional competence
- Web developers looking for a career change into Android app development
- Students and other individuals looking to start a career in app development

What skills will you learn?

By the end of training course, you will:

- Become proficient in Android app development and pass the Associate Android Developer (AAD) Exam conducted by Google
- Gain a thorough understanding of Android architecture
- Build and publish your own Android apps in the Google Play store
- Achieve expertise in app development for Android wearable devices

Target audience:

1. Software developers.

2. System developers.

3. Web developers.

4. College graduates.

5. Android app enthusiasts.

Course Content:

1) Introduction to Mobile Apps-1 hour
2) Introduction Android-1 hour
3) Android Architecture-2 hours
4) Deep Overview in Android Stack-2 hours
5) Installing Android Machine-2 hours
6) Creating First Android Application-2 hours
7) Android Components-2 hours
8) Hello World App-2 hours
9) Building UI with Activities-2 hours
10) Advanced UI-2 hours
11) Notifications-2 hours
12) Multithreading-2 hours
13) Styles and Themes-2 hours
14) Resources and Assets-2 hours
15) Intent, Intent Filters and Broadcast
Receivers-3 hours
16) Data Storage-3 hours

17) Content Providers-2 hours

18)Services-2 hours

19) Multimedia in Android-2 hours

20) Location Based Services and Google Maps-

2 hours