

# Course Outline

## Mobile Application Development (Android)

<b>Duration</b>	2 months
<b>Cost</b>	250,000 NGN

### Description:

Android is a software stack for mobile devices that includes an operating system, middleware and key applications. The Android SDK provides the tools and APIs necessary to begin developing applications on the Android platform using the Java programming language.

Join us on a gentle journey through the mobile application development landscape, using Android as the platform. Along the way we will learn to use Android Studio, the integrated development environment (IDE) for Android apps. This course is intended for students who have some prior programming experience. The course will introduce you to the basics of the Android platform, Android application components, Activities and their lifecycle, UI design, Multimedia, 2D graphics and networking support in Android.

### Target Audience:

- Programmers looking to get into mobile app development
- Anyone looking to build a mobile app.
- Job-seekers

### Requirements(s):

- A Laptop (Mac or PC) running Android Studio.
- Previous knowledge of any programming language preferably Java.

### The course will cover:

- Introduction to the Android Framework
- Activities and their lifecycles.
- Views.

- Intents and intent filters.
- Android Storage: Network, File I/O, and Shared Preferences
- Android Storage: SQLite and Content Providers
- Android Notifications
- Enhancing the User Experience

### **Career Prospects:**

- App Developer
- Junior Android Developer
- System Administrator
- Data Analyst