**Mobile Application Development**

It consists of :

* Android Development
* IOS Development

It can be done through:

* Native Development
* Hybrid Development
* Cross Platform Development

**1)Native Development**

Native development is the process of building apps for a specific operating system like Android and IOS.

**i)Android Tech Stack**

* **Language:** Java / Kotlin
* **Java:** Most popular language
* **Kotlin:** Google’s most preferred language for android app development.

If we are starting , Kotlin means much less code to type, test and maintain.

* **Platform:**
* **Android Developer’s tool**

It consists of:

* Libraries
* APIs
* Debugger
* Handset Emulator
* Sample Projects with source code
* **Android Studio**

It consists of :

* Intelligent code editor
* Feature rich Emulator
* Built in Templates
* Plug Ins

**ii)IOS Tech Stack**

* **Language:** Swift/ Objective- C
* **Objective-C:** Objective-C is a superset of C language . Developers use it if they need to support an already existing project. Objective-C was designed for small talk messaging features.
* **Swift:** It was created as a replacement for C based languages. It can be considered as a faster and most efficient language.

**Swift is recommended**

* **Platform:**
* **IntelliJ Appcode**
* **Apple Xcode**

**2)Hybrid Development**

Blend of both native and web solutions. They function like websites and run from within a native app.