Course: **Android**

Duration: 60 Hrs (Changeable) | Fees: Individual / Batch

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Syllabus on the Next Page ..

Getting Started with Kotlin

* Define Kotlin

* Environment Setup

* First Program Concept

* Kotlin Variable and Data Type

* Kotlin Type Conversion

* Kotlin Operator

* Input/Output

Control Flow

* if Expression

* when Expression

* for Loop and while Loop

* Do while Loop

* Return and Jump

* Continue Structure

Exploring Kotlin Functions

* Kotlin Function

* Recursion Function

* Default and Named Argument

* Kotlin Lambdas

* Higher-Order Function

* Kotlin Inline Function

Exception Handling

* Kotlin Try Catch

* Multiple Catch Block

* Nested Try Block

* Kotlin Finally Block

* Kotlin Throw Keyword

Overview of Collections

* Mutable Array

* Kotlin Collections

* List: listOf()

* mutableListOf()

* Kotlin ArrayList

* arrayListOf()

* Map: mapOf()

* Kotlin HashMap

* hashMapOf() and mutableMapOf()

* Set: setOf()

* mutableSetOf() and hashSetOf()

Exploring Kotlin OOPs

* Class and Object

* Nested and Inner Class

* Kotlin Constructor

* Visibility Modifier

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✳ Kotlin Inheritance

✳ Abstract Class

✳ Kotlin Interface

✳ Data and Sealed Class

✳ Extension Function

✳ Kotlin Generics

Introduction to Ranges

✳ Integer Type Range

✳ Working Ranges

✳ Utility Function

Get Started with Kotlin Android

✳ Install Android Studio

✳ Hello World App

✳ Android TextView and EditText

✳ Kotlin Android Toast

✳ Android Button and Custom Toast

✳ Android Explicit and Implicit Intent

✳ Android ListView and AlertDialog

✳ Android Context Menu and Custom ListView

✳ Android Options Menu and Android Popup Menu

✳ Android WebView and SeekBar

✳ TabLayout with FrameLayout and ViewPager

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✳ XML Parsing using DOM Parser and SAX Parsers

✳ Android XMLPullParser

(Click on Course for more details)

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- Thank You -

N.B:This syllabus is not final and can be customized as per requirements / updates.

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