

Android Development

Welcome to the course!

Android Development for Beginners is an up-to-date course which is designed in a way that it covers important Android concepts and skills required to be a successful Android Developer. Anyone who is new to programming or came from another platform, can enroll in this course. By enrolling into this course one can get deep understanding of important aspects of Android App development.

Module 1

Introduction to Android Studio

- Setup Android Studio
- Overview of Android Project Structure

Module 2

Introduction to Kotlin for Android Developers

- Kotlin Overview
- Setup IntelliJ IDEA
- Setting Up our First Project
- Hello World Program in Kotlin

Module 3

Fundamentals of Kotlin

- Variables in Kotlin
- Data Types in Kotlin
- Taking input from user in Kotlin
- Strings
- List – Mutable and Immutable

Module 4

Operators in Kotlin

- Arithmetic Operators
- Logical Operators
- Comparison Operators

Module 5

Control Flow Statements

- If Else Statement
- When Expression

Module 6

Loops in Kotlin

- Do While Loop
- While Loop
- For Loop

Module 7

Functions in Kotlin

- Functions in Kotlin

Module 8

Object Oriented Programming (OOP)

- Introduction to OOP
- Constructors
- Visibility Modifiers
- Pillars of OOP
- Introduction to Inheritance
- Inheritance – Function and Property Overriding
- Abstraction
- Polymorphism
- Encapsulation

Module 9

Introduction to Lambda Functions

- Lambda Functions

Module 10

Android Components

- Text View
- Image View
- Button
- Dice Roller App
- Layouts introduction and Linear Layout
- Linear Layout Part 2
- Relative Layout
- Constraint Layout
- Spinner
- Check Box
- Radio Button
- Toggle Button and Switch Widget

Module 11

Unit Conversion App

- Unit Conversion App

Module 12

Intent in Android Development

- Introduction to Intent
- Explicit Intent
- Implicit Intent
- Recipe App

Module 13

Views in Android Development

- Scroll View
- RecyclerView
- Recipe App (Continue)

Module 14

Retrofit Library and Rest API

- Introduction to Retrofit
- Retrofit Implementation

Module 15

Conclusion