

MASTER NATIVE ANDROID DEVELOPMENT

Beginner-Friendly | Kotlin • XML • Jetpack Compose
Duration: 4 Months (16 Weeks) | Mode: Online (Zoom)

PROGRAM OVERVIEW

This hands-on training is designed for beginners with little or no Android experience. Participants will learn how to build real-world Android applications using modern tools, industry best practices, and guided weekly projects.

LEARNING OUTCOMES

- Understand Android app fundamentals and architecture
- Build user interfaces using XML and Jetpack Compose
- Write clean and safe Kotlin code
- Consume APIs and manage app data
- Develop and deploy a complete Android application

WEEKLY MODULE BREAKDOWN (16 WEEKS)

- Weeks 1–2: Introduction to Android, Android Studio setup, Kotlin basics
- Weeks 3–4: Kotlin for Android, activities, fragments, lifecycle
- Weeks 5–6: XML layouts, views, ConstraintLayout, Material Design
- Weeks 7–8: RecyclerView, navigation components, user interaction
- Weeks 9–10: Introduction to Jetpack Compose, composables, state
- Weeks 11–12: Advanced Compose, theming, navigation, MVVM
- Weeks 13–14: API integration, Room database, error handling
- Weeks 15–16: Capstone project, testing, app build & deployment

TOOLS & TECHNOLOGIES

- Kotlin Programming Language
- Android Studio
- XML & Jetpack Compose
- MVVM Architecture
- Git & Version Control

CAPSTONE PROJECT

Students will build a complete Android application that includes authentication, API integration, local storage, and modern UI design. This project can be added to a professional portfolio.