



## 2-Day Workshop Plan

### Android Development

Day	Time	Activity
Day 1	10:00 AM - 10:45 AM	Introduction to Android Development: Overview of Android, Android OS, and Components of an Android App
Day 1	10:45 AM - 11:30 AM	Setting Up the Development Environment: Installing Android Studio, SDK Setup, Emulator Configuration
Day 1	11:30 AM - 11:45 AM	Break (15 minutes)
Day 1	11:45 AM - 1:00 PM	Java/Kotlin Basics for Android: Understanding Java/Kotlin, Android-specific syntax, Basic programming concepts
Day 1	1:00 PM - 2:00 PM	Lunch Break (1 hour)
Day 1	2:00 PM - 2:45 PM	Android App Architecture: MVC, MVVM patterns, Activity, Fragment, ViewModel, and LiveData
Day 1	2:45 PM - 4:00 PM	Hands-On: Creating Your First Android App: Setting up a new project, Designing a simple user interface, Running on an emulator
Day 1	4:00 PM - 4:15 PM	Break (15 minutes)
Day 1	4:15 PM - 5:00 PM	Q&A and Day 1 Wrap-Up: Recap of concepts and coding session, Overview of Day 2



sltechhsolutions@gmail.com



91-8341475919



## 2-Day Workshop Plan

### Android Development

Day	Time	Activity
Day 2	10:00 AM - 10:45 AM	Advanced Android Concepts: Introduction to Material Design, App Navigation (Fragments, Navigation Drawer), Android Permissions
Day 2	10:45 AM - 11:30 AM	Working with Data: SharedPreferences, SQLite Database, and Room Persistence Library
Day 2	11:30 AM - 11:45 AM	Break (15 minutes)
Day 2	11:45 AM - 1:00 PM	Hands-On: Building a CRUD App: Integrating SQLite or Room for storing user data, Creating forms to input data
Day 2	1:00 PM - 2:00 PM	Lunch Break (1 hour)
Day 2	2:00 PM - 2:45 PM	Working with APIs: Making HTTP requests with Retrofit or Volley, Parsing JSON data, Displaying data in RecyclerView
Day 2	2:45 PM - 4:00 PM	Hands-On: Building an API-based App: Fetching and displaying data from a public API (e.g., JSONPlaceholder)
Day 2	4:00 PM - 4:15 PM	Break (15 minutes)
Day 2	4:15 PM - 5:00 PM	Q&A and Final Wrap-Up: Recap of concepts, Final project discussion, Certification distribution, and closing remarks



sltechhsolutions@gmail.com



91-8341475919