

11th July 2025 (Friday)

Today's class was an important milestone as we explored Activity Lifecycle and Intents in Android. In the first hour, the trainer described the entire lifecycle of an Android activity using graphical diagrams — covering states like `onCreate()`, `onStart()`, `onResume()`, `onPause()`, `onStop()`, and `onDestroy()`. This helped us visualize what happens behind the scenes when users interact with an app. We then coded a small example where lifecycle methods printed Toast messages, allowing us to see transitions in real time.

In the second hour, we studied Intents — explicit and implicit. We created two activities: one main screen and another secondary screen, and successfully used explicit intents to navigate between them. The mentor then demonstrated how implicit intents could open other applications such as the dialer, maps, or browser. I implemented both and tested the results. By the end, I fully understood how activities communicate and how Android handles background transitions, an essential concept for multi-screen apps like chat systems.