

4th August 2025 (Monday)

Today's class revolved around debugging and fine-tuning application performance. The mentor started by explaining the significance of testing every screen for responsiveness and eliminating minor glitches that could lead to crashes. During the first hour, I used the Android Logcat window to identify potential runtime warnings and unused imports. I fixed redundant variables, optimized adapter code, and cleared unnecessary background listeners that could slow down the app.

In the second hour, the mentor introduced the use of the Android Profiler to analyze CPU and memory usage. I observed how the application handled background processes and learned techniques for releasing memory by properly destroying activities. This optimization process made the overall performance smoother and faster. The day's session gave me hands-on experience in refining performance and developing a debugging mindset that will help in larger projects.