

## **9th August 2025 (Saturday)**

Today's training session was entirely focused on project documentation and report finalization. The mentor began by explaining the components of technical documentation, including system architecture, flow diagrams, and database details. I was instructed to compile all necessary details related to the project in a structured, reader-friendly manner. In the first hour, I started preparing a comprehensive technical summary that included descriptions of the modules, tools, libraries, and dependencies used.

The mentor guided me to create supporting visuals such as UML diagrams, Data Flow Diagrams (DFDs), and Sequence Diagrams. These diagrams help convey system interactions clearly to evaluators. I exported each diagram from Android Studio's design section and adjusted them using external design tools for better clarity and labeling. I also organized them in order — DFD, Use Case, and Sequence Diagram — as per the documentation structure.

In the second hour, I concentrated on writing textual content to complement the diagrams. I drafted detailed explanations for each figure, describing how user actions translate into backend processes. The mentor reviewed my draft and suggested improvements in formatting and alignment to maintain professional standards. I also wrote sections on learning outcomes and challenges faced during development, making the documentation more reflective and analytical.

By the end of the session, my report had transformed into a well-organized, professional document. I learned that effective documentation is as vital as development itself because it represents the technical journey of the project in an understandable and evaluable format.