**Day 29 – Tuesday, 29 July 2025**

**Topic:** Project Review and Final Testing  
**Objective:** Conduct end-to-end testing and refine the project based on feedback.

**Summary:**  
Today was dedicated to a complete **review and testing phase** for the *Student Performance Prediction* project. I conducted **end-to-end testing** to ensure that all modules — from data input through the Streamlit interface to model prediction and output visualization — worked flawlessly together. Multiple test cases with varied student profiles were used to verify that the model produced accurate and consistent predictions across different scenarios.

I also presented the system to my **trainer/supervisor** for review. The feedback focused on improving the clarity of the interface labels and making the output messages more interpretable for educators. Based on these suggestions, I refined the UI by adjusting font sizes, color coding prediction results more clearly, and simplifying certain feature names for user friendliness.

The overall system performance was validated, and all functional requirements were met successfully. The trainer commended the project for its practical application in identifying at-risk students and assisting teachers with data-driven insights.

**Additional Notes:**

* Conducted regression and classification testing with sample datasets.
* Fixed minor interface alignment and text formatting issues.
* Prepared the system for the final presentation and demonstration.