DATE: 26 JUNE 2025   **DAY: THURSDAY**

DAY 5 — UART Communication Between Arduino & ESP32

LEARNING OBJECTIVES:-

- Understand UART-based data transfer between two controllers.
- Learn serial debugging and baud rate synchronization.

Overview:-

Day 5 introduced serial data communication between Arduino UNO and ESP32 using UART. The day focused on establishing correct wiring, matching baud rates, and ensuring clean data transfer needed for an end-to-end IoT pipeline.

Activites:-

- Connected TX/RX pins and tested communication.
- Logged serial outputs to check stability.

Insights:-

- Understood baud mismatch issues.
- Learned serial debugging for communication errors.