

**DATE: 4 JULY 2025**

**DAY: FRIDAY**

## **DAY 11 – Implementing Login Authentication Page**

### **LEARNING OBJECTIVES:-**

- Implement password verification logic on ESP32.
- Handle form inputs with GET/POST requests.

### **Overview:-**

Day 11 introduced authentication simulation using ESP32 web server. The login system accepted a username/password and returned success or failure messages.

### **Activities:-**

- Coded login validation comparing stored password.
- Displayed results on webpage.

### **Insights:-**

- Understood flow of web authentication.
- Learned how comparisons create subtle timing leaks.