**Week 4: Simulation Environment and Security**

1. Finalizing simulation tool selection. We’re thinking of using either Wokwi for ESP32 or Cisco Packet Tracer.
2. Configure ESP32 and sensor modules in the simulator.
3. Write test codes and dummy API setup,
4. Implement hardware-level security, like turning off UART ports, disabling unused GPIO ports, disabling Bluetooth, etc.