

Training Day 17 Report:

Date: 17 July, 2025 (Thursday)

Location: PG Block HPC Lab

Topics Covered:

- Complete Wiring Integration
- System Testing & Debugging

Tools / Platforms Used:

- Sunflower panel base
- All sensors/electronics
- USB power, multimeter, cable ties

Tasks Performed:

- Integrated solar panels, ESP32 controller, DHT22 sensor, motor driver, and twin DC motors onto the sunflower base.
- Tied down all wiring, checked for mechanical robustness.
- Ran full system: confirmed solar panel power, live sensor readings, and active motor tracking.
- Helped with team troubleshooting and documentation of wiring for final submission.

Project Work:

- Successfully demonstrated the system as a real, working “Sunflower” for the team—like shown in the poster.

Reflections: Completing and running the sunflower was the best feeling of the project so far. The unique design made the project stand out and my responsibility felt truly accomplished.