

# Training Day 14 Report:

**Date:** 14 July, 2025 (Monday)

**Location:** PG Block HPC Lab

## Topics Covered:

- Designing & Assembling as Solar Petals
- Panel Soldering (Sunflower Model)

## Tools / Platforms Used:

- Solar cells/panels
- Soldering iron, flux, solder wire
- Mounting board, scale/ruler

## Tasks Performed:

- Individually soldered wires to each solar panel “petal” as shown in the project poster.
  - Carefully arranged and fixed the panels in a radiating, sunflower-like pattern.
  - Checked all solder joints for strength and current flow using a multimeter.
  - Cleaned, prepared, and labeled each petal for later circuit integration.
- Project Work: Ensured every petal could be easily connected as part of sun-tracking array. The design allows maximum sunlight capture and visual resemblance to a sunflower.

## Reflections:

Building the petal structure gave the project its unique and eye-catching shape. The hands-on work taught the importance of both aesthetics and correct electrical practice.