

ITI Training Schedule (15 Days)

Batch Size: 20 Students

Groups:

- **Group A (10 Students)** → Electronics (First 7 Days) → Solar (Next 7 Days)
- **Group B (10 Students)** → Solar (First 7 Days) → Electronics (Next 7 Days)
- **Day 15:** Final Assessment + Project Presentation

Day-wise Training Plan

Day 1 – Orientation & Safety

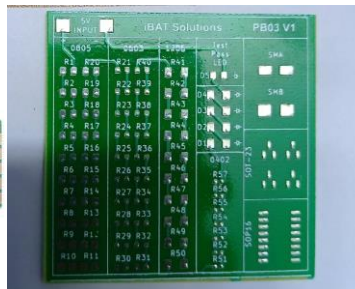
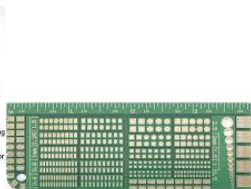
- Introduction to training program
- Lab rules & safety precautions
- Basics of tools & instruments
- Overview of Electronics & Solar systems

Phase 1 (Day 2 – Day 8)

Group A → Electronics Training

Group B → Solar Training

Electronics Training (Group A)



Day 2: Basic Electronics Components (Resistor, Capacitor, Diode)
Day 3: Use of Multimeter & Measurement Techniques
Day 4: Soldering & PCB Assembly Practice
Day 5: Power Supply & Basic Circuits
Day 6: Digital Electronics Basics (Logic Gates)
Day 7: Fault Finding & Troubleshooting
Day 8: Report submission

Solar Training (Group B)

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Day 2: Basics of Solar Energy & PV Systems
Day 3: Solar Panel Types & Working
Day 4: Battery, Charge Controller & Inverter
Day 5: Solar System Installation (Practical)
Day 6: Wiring & Safety in Solar Systems
Day 7: Maintenance & Troubleshooting
Day 8: Report Submission

Phase 2 (Day 9 – Day 14)

(Groups Swap)

Group A → Solar Training

Group B → Electronics Training

- Same schedule as above repeated for the swapped groups

Day 15 – Final Day

Assessment & Activities

- Written Test (Basics of Electronics & Solar)
- Practical Evaluation
- Group Project Presentation
- Feedback Session
- Certificate Distribution

Daily Time Schedule

Time	Activity
10:00 – 11:30	Theory Session
11:30 – 11:45	Break
11:45 – 01:30	Practical Session
01:30 – 02:15	Lunch
02:15 – 04:00	Hands-on / Project Work/Field work

Learning Outcomes

By the end of training, students will be able to:

- Understand basic electronics components and circuits
- Perform soldering and troubleshooting
- Install and maintain solar systems
- Understand renewable energy concepts
- Work safely with electrical systems
- Build small working projects