

National Institute of Electronics and Information Technology Gorakhpur

Name of Group: Electronics Division

Name of Course: Solar-LED Lighting Product (Design and Manufacturing)

Objective:

- To train the students with the knowledge of Design of solar -LED Products s.
- To make familiar with manufacturing of solar-LED related products.
- To provide the knowledge in installation operation and maintenance activities of Solar-LED products.

Duration: 4 Weeks / 6 Weeks / 8 Weeks

Eligibility: ITI/12th/Diploma in any stream

Course Fees (Proposed): Rs. 1000/- per week (+ GST)

Registration Process: Candidates have to apply in prescribed application form. The forms can be collected from NIELIT Gorakhpur centre or can be downloaded from the NIELIT Gorakhpur website. The duly filled form along with the course fees has to be submitted at NIELIT Gorakhpur centre. The Fees deposited is Non-Refundable.

Course Content:

Modules:	Duration	Contents
Module 1	4 Week	Introduction of light sources and their characteristics, Study of led and light sources, Design and assembly of LED based products, Renewable energy and SPV cells.
Module 2	2 Week	SPV efficiency, battery charge controllers, wiring of solar panels and batteries, storage battery size and Solar system components.
Module 3	2 Week	Installation and maintenance of solar panel and Project work, assignments based on the theory.

- * There will be 3 Hours Session per day.
- * These sessions will include Theory Classes, Demo and Practical.

Mode of Payment: Fees can be paid either by swiping debit/credit card or by challan.

For any queries and more details please contact Sh. Mallikarjuna S. (9140970441)