

National Institute of Electronics and Information Technology Gorakhpur

Name of Group: Electronics Division

Name of Course: Certificate Course in LED Based Product Design

Objective: The rapid growing field of LED lighting and renewable energy created a wide scope of opportunity for electronic designer and technician. This course has been designed to provide emphasis regarding led based light/strip lights assembly. This course covers the basic knowledge of electronics components that is going to be used for manufacturing of LED based lighting product, installation and their interconnection with PV module leading towards marketing and maintenance of these products.

Duration: 4 Weeks / 6 Weeks / 8 Weeks

Eligibility: 10th /12th /ITI

Course Fees (Proposed): Rs. 1,000/- 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 | 1.Basic Concept of Electrical and Electronics. 2.Specifications of passive active and components. 3.study of different types of power supplies. 4.Assembling and testing of LED based lighting products. |
| Module 2 | 2 Week | 1.Prototype driver Circuit design. 2.Selection of shape and size of led product. 3.Testing and trouble shooting of a LED product. |
| Module 3 | 2 Week | Project |

- * 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. D.V. Singh (8317093882)