Summer Training Program

About NIELIT Gorakhpur:

NIELIT, Gorakhpur Centre was established as Centre for Electronics Design & Technology of India (CEDTI) in June, 1989. It is an Autonomous Scientific Society under the administrative control of Ministry of Electronics and Information Technology, Govt. of India.

It caters to the training, Consultancy, Design and Product Development needs of small-scale IT Industries and allied sectors. It also conducts training programs for promotion of Entrepreneurs. NIELIT Gorakhpur, is a Premier institution for Education, Training, Research & Design and Consultancy in IT and Electronics. It conducts course for, Embedded Systems, VLSI, Instrumentation, Bioinformatics, ITES-BPO, Information Security, Cyber Law, Networking and other areas of Information Technology.

Objectives:

NIELIT Gorakhpur is offering paid, summer internships for students pursuing Diploma/ Degree in one of the following disciplines: Computer Science, Electrical, Electronics Engineering, and allied streams. This internship program has been designed according to industry needs. During this Internship Program the focus will be to train the interns in the field of Internet of Things (IoT), Printed Circuit Board (PCB) Design, VLSI Design, and MATLAB Simulink, As there is a huge demand in corresponding fields. Besides receiving the training, the interns will have the opportunity to do hands-on practice on several platforms.

Learning Outcomes:

By the end of this training program candidates will get acquainted with:

- Basic and Advance concepts design aspects of Emerging Technology.
- Interact with Experts and get career guidance.
- This internship includes several projects, participate will executes several projects during the internship.

Course Duration : Four Weeks
Start Date : June/July 2023
Mode : Online/Offline
Fees : 1500/- including GST

Course Outline:

Module 1 (10 Hrs)	Internet of Things (IoT)
Module 2 (10 Hrs.)	PCB Manufacturing,
Module 3 (10 Hrs.)	MATLAB
Module 4 (10 Hrs.)	VLSI Design

Program Coordinator:

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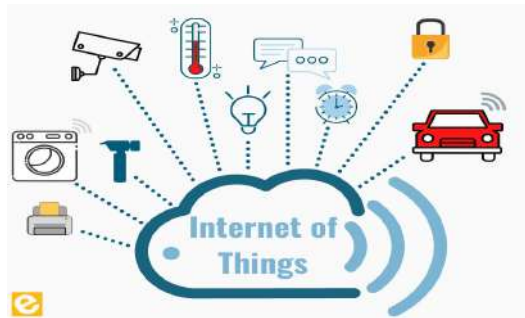
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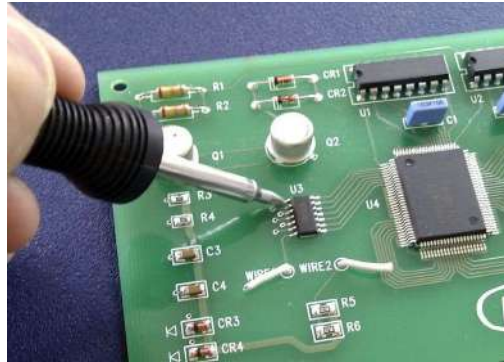
Course Outlines

Module-1 : Internet of Things (IoT)

The Internet of things (IoT) is the network of physical devices, vehicles, buildings and other items—embedded with electronics, software, sensors, actuators, and network connectivity that enable these objects to collect and exchange data. In 2013 the Global Standards Initiative on Internet of Things defined the IoT as "the infrastructure of the information society."

Module-2 : PCB Manufacturing

The primary focus of PCB (Printed Circuit Board) designing is an integral part of each electronics products and this program is designed to make students capable to design their own Electronic Circuitry, Projects & to learn the nature of Digital & Analog Electronic Devices up to industrial grade

Module-3: MATLAB

MATLAB is one of the most seeking domains in the IT industry to create applications with mathematical notations that can assist for scientific and aerospace research by modern technical computations.

Module-4: VLSI Design

India Semiconductor Mission is an attempt to enter into global semiconductor market. The establishment of semiconductor design, display fabrication units is just the step towards a new era of growth in the semiconductor domain. This training program will cover analog and digital integrated circuit design aspect using commercial technology kits and simulation tools