

INDUSTRIAL TRAINING/INTERNSHIP @ NIELIT CALICUT

● Duration: 1/2/3/4 Weeks

● Fee per Student ₹ 2000/3500/5000/6000 for 1 week/ 2weeks/ 3 weeks/ 4 weeks

● Starting dates: Mutually convenient dates

● Target: Engineering/Diploma/Graduate students in Electronics/IT

Information Technology

- Android Application Development
- Java , Ajax, MySQL, PHP Programming
- jQuery, Hadoop, System Security
- Big Data Analytics, Python Programming
- Object oriented programming,
- Linux Server Administration
- Windows Server Administration
- Virtualization and Cloud Computing
- Cloud Server (IaaS) using Citrix

VLSI

- Hardware modeling using VHDL/Verilog HDL
- System Verilog
- RTL Design Using Programmable Logic
- FPGA Based Prototyping
- Security Engineering/ IP Core Design for Cryptography
- FPGA Based Embedded System Design
- VLSI Physical design
- IC Design Flow from Specifications to tape out
- MATLAB Programming
- Object Orient Programming for VLSI Verification
- Multimedia Compression Techniques.
- Analog VLSI Design Flow
- VLSI Architectures for Digital Signal Processing

Workshops

IoT Primer, Python Primer,
MATLAB Fundamentals, Patents & IPR,
RTL Design, FPGA Based Prototyping

Hostel and canteen facility available

Embedded Systems

- Linux Device Driver Development
- Linux internals & OS porting
- Linux Kernel & Driver Debugging
- Embedded Linux OS
- Yocto Embedded Linux BSP Development
- Internet of Things (IoT) Application Development
- Embedded System Design using Arduino
- Embedded System Design with Raspberry Pi
- Embedded System Design with ARM Cortex uControllers
- System Design using DSP
- RTOS - VxWorks/RT Linux/FreeRTOS
- RTOS Porting
- Embedded Sensors and interfaces
- Wireless Technology and protocols

Product Engineering

- Industrial Drives
- Hardware System Design
- Embedded Product Design
- EDA Tools (OrCAD)
- Board bringup
- Computer Aided Design
- 3D printing

Control & Instrumentation

- Programmable Logic Controllers (PLC)
Allen-Bradley / Siemens / ABB Controllers
IEC-61131-3 Program Language
- SCADA / HMI
- NI-LabVIEW
- Data Acquisition System (DAQ)

We also offer Faculty Development Program and Academic Projects

Please mail your requirement to trng@calicut.nielit.in with the following information

1. Qualification details (College, Branch, Semester etc)
2. Topic of interest
3. Duration of training
4. Tentative starting date
5. No. of students
6. Contact details (name, phone no.)



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