NIELIT
राष्ट्रीयइलेक्ट्रॉनिकीएवंसूचनाप्रौद्योगिकीसंस्थान,कालीकट
National Institute of Electronics & Information Technology, Calicut

**Ministry of Electronics and
Information Technology**
Government of India

सत्यमेव जयते

Internship Training
Prospectus

ISO 9001-2015 Certified

EMBEDDED & IoT SYSTEMS

25th APRIL- 20th MAY2022
(2 hrs daily)

Course Description

This is a course on Embedded&IoTSystems which provides understanding of Embedded Systems, Architecture of Embedded System, IoT Overview and Hardware Platforms, ARM Architecture, Basic C Programming, Experiments using ARM Cortex Microcontroller, Arduino UNO Development Board, Node MCU, IoTCloud Platforms. The Course is planned with instructor led Offline/live sessions of lectures and demonstrations

Click Here to Register

Who can attend?

Anyone who is interested in learning Embedded System Design &IoT designed for

- Preferably Students pursuing Engineering,

Course Content

Sno	Topics
1	Introduction to Embedded Systems
2	Architecture of Embedded Systems and ARM Architecture
3.	IoT overview and Hardware Platforms
4.	Basic C Programming
5.	Simulation with ARM Cortex Microcontroller(STM32)
6.	Implementation of Experiments with Development Board
7.	Embedded Trends and Projects
8.	Introduction to Arduino IDE, Communication, Proto typing ,sensors and actuators, GPIO Programming in Arduino
9.	Experiments with Sensors Interfacing in Arduino
10.	Interfacing With smart Phone Application
11.	Experiments Using NODE MCU
12.	IoT Cloud Platforms.
13.	Mini Project Discussion

Fee and important dates

Fee	Rs. 2500/- (Including GST)
Last date for registration & payment	25th April 2022

Certificate

Certificate to all completed candidates

Minimum System Requirements

- Attendees must have a computer system with a good internet connection.
- Computer System Configuration – Windows OS 7/8/10, i3/i5, 64bit processor, Minimum 4GB RAM

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Faculty Profile

Qualification and experience of the faculty handling the sessions

1. Rajesh M – Scientist/Engineer 'D', M.Tech ECE, 16 Years of Experience
2. Akula Sri Rama Pavan – Scientist/Engineer 'B', B.Tech ECE, 6 Years of Experience
3. Manoj N– Senior Technical Officer, Diploma in Electronics, 25 Years of Experience
4. Suresh kumar Gaddi–Senior Technical Assistant, B.Tech ECE, 5 Years of Experience
5. Jadapalli Ashok Kumar–Senior Technical Assistant, B.Tech ECE, 6 Years of Experience

Course Coordinator

Suresh Kumar Gaddi
Senior Technical Assistant
9490686278(Whatsapp Preferred)
Email:sureshkumar@calicut.nielit.in

Terms and Conditions

1. In case any registered candidate could not attend the offline/ online session due to technical issue at their side there will not be any refund of the course fee and the sessions will not be repeated.

2. In case the offline/ online course is cancelled /postponed due to some technical issue at NIELIT side and new date is not convenient to the candidate, our liability is limited

For more details about our institution and facilities visit us

Website: http://nielit.gov.in/calicut
Twitter: https://twitter.com/CAL_NIELIT
Facebook: https://www.facebook.com/CAL.NIELIT

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Autonomous Scientific Society of
Ministry of Electronics & Information Technology,
Govt. of India

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