Internship Training

Prospectus

ISO 9001-2015 Certified

EMBEDDED Systems &IoT

26th December 2022- 23rd January 2023
(1.5hrs 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, lab sessions using online web simulators, 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 &IoTdesigned for

- Preferably Students pursuing Engineering,

Course Content

Sno	Topics
1	Introduction to Embedded Systems
2	Architecture of Embedded Systems
3.	IoT overview and Hardware Platforms
4.	ARM Architecture and Experiments with ARM Cortex Microcontroller
5.	Embedded Trends and Projects
6.	Introduction to Arduino IDE, Communication, Proto typing ,sensors and actuators
7.	GPIO Programming in Arduino
8.	Experiments with Sensors Interfacing in Arduino
9.	Lab sessions using online web simulators
10.	Experiments Using IoT platform.
11.	IoT Cloud Platforms.
12.	Mini Project Discussion

Fee and important dates

Fee	Rs. 2000/- (Including GST)
Last date for registration & payment	24th December 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

Faculty Profile

Qualification and experience of the faculty handling the sessions

1. Rajesh M – Scientist/Engineer 'D', M.Tech ECE (ES), 20 Years of Experience
2. Akula Sri Rama Pavan – Scientist-B, B.Tech(ECE), 7 Years of Experience
3. Manoj N– Senior Technical Officer, Diploma in Electronics, 24 Years of Experience

Course Coordinator

Akula Sri Rama Pavan
Scientist-B
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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 to the refund of the course fee and NIELIT shall not be responsible for any consequential damages.*

For more details about our institution and facilities visit us

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

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