



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



सत्यमेव जयते

Ministry of Electronics and
Information Technology
Government of India

On-line Courses

ISO 9001-2015 Certified

Prospectus

IoT and Automation with Raspberry Pi

(21st December 2020 to 26th December 2020)

Course Description

This course introduces the basics of Raspberry Pi and other embedded Hardwares used for IoT Applications , Python programming overview, Sensors and actuators and their automation with Raspberry Pi. This Course also includes instructor led live sessions and remote lab/demo sessions.

Click Here to [Register](#)

Who can attend?

Anyone who is interested in learning IoT Application Development using Raspberry Pi can attend.

- Students pursuing engineering,
- Professionals working on Electronic design/development activities and others who would like to develop competency in embedded system design with emerging processors.
- Research students
- Teaching professionals & faculty

Course Content

Session	Topic	Date
1	Introduction to RPi and IoT	21/12/2020
2	Python Programming basics	22/12/2020
3	Python Programming with Raspberry Pi	23/12/2020
4	Sensors & Actuators	24/12/2020
5	Interfacing Sensors with Raspberry Pi	26/12/2020

Prerequisite

- Knowledge of Linux operating System
- Knowledge of Microcontrollers and Embedded Systems

Fee and important dates

Fee	Rs. 1500/- (Including GST)
Last date for registration & payment	20/12/2020
Sharing of Link / passwords & other details	21/12/2020

Certificate

E-Certificates will be issued to all completed candidates.

Minimum System Requirements

- Attendees must have a computer system with a good internet connection.
- Computer System Configuration – Windows/ Linux OS
- Link to attend the course shall be forwarded to the registered email.

Faculty Profile

Qualification and experience of the faculty handling the sessions

1. Mr. Rajesh M – Scientist/Engineer 'D', M.Tech. Digital Electronics & communication, 14 Years of Experience in Embedded Software Development & IoT.
2. Mr. Manoj N– Senior Technical Officer, Diploma in Electronics, 24 Years of Experience in Embedded hardware development.
3. Mr. Suresh Kumar Gaddi, Senior Technical Assistant, Diploma & B.Tech. in Electronics & Communication Engineering, 4 Years of Experience.

Course Coordinator

Rajesh M

Scientist/Engineer 'D'

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Terms and Conditions

1. *In case any registered candidate could not attend the 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 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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Twitter: https://twitter.com/CAL_NIELIT

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