

OBJECTIVE:

- To provide the students an insight into the working of Raspberry Pi and building Internet of Things (IoT) based applications using Python.
- To provide more emphasis on practical sessions using Raspberry Pi kit.
- To provide practical exposure to the students for developing simple IoT projects.

COURSE CONTENTS:

- Introduction to IoT
- Introduction to Raspberry Pi
- Python programming concepts
- Traffic light Simulation
- Simple sensor applications
- Camera interfacing application
- Sending mail
- Storing data on Thingspeak

BOARDING AND LODGING :

Accommodation and boarding if required will be provided in the college campus on chargeable basis.

COURSE FEE AND REGISTRATION

Registration Fee – Rs. 301(includes GST) (Faculty & Students)

The registration amount (Rs.301) send through GPAY No / PhonePay No : 9025044806

·Lunch and Refreshment will be provided for all the participants

HOW TO APPLY:

The applicants should fill the google form link, <https://shorturl.at/3nnV5> for registration on or before 02.10.2024

SCHEDULED DATES

- Last date for receipt of – 02.10.2024
- Applications:
- Intimation of Selection – 03.10.2024
- Confirmation by participants – 04.10.2024

ABOUT THE COLLEGE

Kongu Engineering College was established in the year 1984. Approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of "A++" and an autonomous Institution affiliated to Anna University, Chennai. The Institution has completed 37 years of dedicated and excellent service in the field of technical education. It offers 17 UG, 9 PG and 16 Research programmes in Engineering, Applied Sciences and Management imparting high quality value added education in India. The college has got NBA accreditation for UG programmes, Best Engineering College award, Best Principal award twice. The institution is ranked high among the Engineering Institutions in India by various surveys conducted by reputed magazines / journals / organization. The institution has established a Technology Business Incubator (TBI) supported by Department of Science and Technology, Government of India in its campus. TBI@KEC has won the National Award, for the Best TBI in India, presented by President of India.

ABOUT THE DEPARTMENT

Department of CSE was started in the year 1988 with B.E. Programme. With the increasing demand in Computer Science and Engineering, M.E programme was started in the year 1999. The department is recognized to offer research programme leading to Ph.D. The department aims at developing intellectually alert, scientifically progressive, globally competent and dynamic young IT professionals.

KONGU ENGINEERING COLLEGE

(AUTONOMOUS)

PERUNDURAI, ERODE 638060 TAMILNADU

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
&
INDUSTRY INSTITUTE PARTNERSHIP CELL

HANDS ON TRAINING ON DEVELOPING REAL TIME IOT APPLICATIONS USING RASPBERRY PI

05.10.2024

Coordinators

Dr.S.Malliga

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Individual Raspberry Kit will be provided for each group