

REGISTRATION FORM

**Five Days workshop
On**

**Internet of Things (IoT)
04-08 November 2019**

Full Name :
Designation :
Organization:.....
.....
Qualification:.....
Specialization:.....
Mailing Address:.....
.....
Pin Code:.....Phone(M).....
(O).....Email:.....
Aadhar No:.....

Accommodation required ? Yes /NO

Date: _____ Signature of Participant

The applicant will be permitted to participate in this
Workshop, if selected.

**SIGNATURE ANDSTAMP OF THE SPONSORING
AUTHORITY**

REGISTRATION

For registration duly filled Registration form should be sent in advance to the Course Coordinators through the Google link <https://forms.gle/ukhbSTsfY6jNf7mu9>.The confirmation would be sent through Email. Total number seats available is 50.

ACCOMMODATION

Limited accommodation is available in the Guest House/Hostels of the NITK, Surathkal for outstation participants on the nominal chargeable basis with an advance request and on a first come first serve basis. The participant will not be paid any TA/DA.

IMPORTANT DATES

Last Date to Register : 25th October, 2019
Acceptance Notification: 28th October, 2019

ADDRESS FOR CORRESPONDENCE:

Dr. Alwyn Roshan Pais, Coordinator
Department of Computer Science & Engineering
National Institute of Technology - Karnataka
Surathkal, P.O. Srinivasnagar,
Mangalore - 575 025.

E-Mail : alwyn.pais@gmail.com

Venue: Dept. of CSE, NITK, Surathkal



Five Days workshop

On

**Internet of Things (IoT)
04-08 November 2019**



Organized By

Department of Computer Science &
Engineering, National Institute of
Technology Karnataka Surathkal, P.O.
Srinivasnagar Mangalore - 575 025
Website: cse.nitk.ac.in

Workshop Coordinators

**Dr. Alwyn Roshan Pais
&
Dr. P. Santhi Thilagam
Dept, of CSE, NITK, Surathkal**

ABOUT NITK SURATHKAL

National Institute of Technology Karnataka, Surathkal has established itself as one of the top technological institutions in India & is declared as an Institute of National Importance under the NIT Act 2007. Since its inception in 1960 as the Karnataka Regional Engineering College (KREC), the institute is considered as a premier center engaged in imparting quality Technological education and providing support to research and development activities. The institute has a long tradition of research for several decades in both traditional and modern areas of engineering and science.

ABOUT CSE DEPARTMENT

Department of Computer Science and Engineering, established in the year 1986 has strong International reputation for its excellence in education and research. It has a rich history and an outstanding record of contributions to the ever growing field of Computer Science & Engineering. The Department offers B.Tech, M.Tech, M.Tech (Research), M.Tech (Information Security) and Ph.D. in Computer Science & Engineering discipline. The Department has also established a Information Security research Lab from various R&D funding's received from various Government agencies. The Department is also accredited by NBA. For more information on the Department of Computer Science and Engineering at National Institute of Technology Karnataka, Surathkal, please visit: <http://cse.nitk.ac.in>

TARGET AUDIENCE

The Program is targeted towards faculty and PhD scholars, industry professionals & consultants.

OBJECTIVES OF THE WORKSHOP

The workshop has been designed with the following objective:

- Provide introduction to Internet of Things (IoT)
- Exposure to various sub-fields and technology stacks of IoT
- Enable people to convert their IoT product idea into a working prototype
- Provide thorough working knowledge of the Raspberry Pi Platform

THE MAJOR CONTENTS OF THE PROGRAMME ARE:

- *Introduction to the Internet of Things
- The Basics of Sensors & Actuators
- Basic IOT Architecture
- The IoT Platforms Available
- MSP430 Board Layout & Architecture
- Programming fundamentals (C language)
- MSP430 Programming & Interface of Sensors
- Interfacing sensors with MSP430
- Programming MSP430 & Reading from Sensors

METHODOLOGY

In addition to classroom lectures, the programme includes discussions, hands-on sessions, and assignments.

ORGANIZING COMMITTEE

PATRON

Prof. Karanam Uma Maheshwar Rao,
Director, NITK Surathkal.

CO-ORDINATORS

Dr. Alwyn Roshan Pais, NITK-Surathkal
Dr. P. Santhi Thilagam, NITK-Surathkal

RESOURCE PERSONS

1. Dr. Alwyn Roshan Pais, NITK-Surathkal
2. Dr. P. Santhi Thilagam, NITK-Surathkal
3. Dr. B. R. Chandavarker, NITK-Surathkal
4. Mr. M. P. Singh, NITK-Surathkal

ELEGIBILITY

This FDP is open to faculty and PhD Scholars from AICTE approved technical Institutions.