

PREAMBLE

The Internet of Things (IoT) is presently a hot technology worldwide. Government, academia, and industry are involved in different aspects of research, implementation, and business with IoT. Internet of Things cuts across different application domain verticals ranging from civilian to defence sectors that include agriculture, space, healthcare, manufacturing, construction, water, and mining, which are presently transitioning their legacy infrastructure to support IoT. The course is indented to provide knowledge on the fundamentals, opportunities and challenges of this emerging technology.

COURSE CONTENTS

- Introduction to IoT, Trends and Characteristics
- Wireless Sensor Networks, IoT Reference Architecture
- IoT Analytics with Machine Learning
- Embedded IoT Solutions
- IoT Platforms
- Privacy, Autonomy and Security issues
- Government Regulations on IoT
- IoT Applications and Challenges
- Research issues and case studies in IoT.
- Demo using Arduino/Raspberry Pi

RESOURCE PERSONS

Resource persons invited from industry, reputed institutions along with in-house experts from PEC will deliver contents on the proposed topics.

ELIGIBILITY

The faculty members of AICTE approved Institutions/polytechnics and industry professionals are eligible to attend the STC. Admission will be offered subject to the availability based on QIP course norms.

HOW TO APPLY

Registration form can be downloaded from the institute website (www.pec.edu). Interested participants shall apply through post/email with the prescribed format duly signed and forwarded by the head of the sponsoring institution.

REGISTRATION FEE

All the selected candidates should pay a registration fee for Rs.1000 (refundable) in the form of Demand Draft drawn in the favour of "The Principal, Pondicherry Engineering College", payable at Puducherry. Engineers from industries have to pay a course fee of Rs 10,000/-(Non-Refundable) and they must meet the TA and DA from their own organization.

ACCOMMODATION

Boarding and lodging for outstation participants will be arranged on request. The participants are eligible for Bus/3-Tier AC train fare by the shortest route. However, the TA amount will be refunded only upon producing the actual bus/train tickets. Working lunch will be provided to all the participants.

IMPORTANT DATES

Last date for registration: 15.11.2017
Intimation of selection by email: 17.11.2017

QIP SPONSORED SHORT TERM COURSE on OPPORTUNITIES AND CHALLENGES IN INTERNET OF THINGS

27th Nov to 1st Dec 2017

REGISTRATION FORM

Name: Dr./Mr./Ms: _____

Gender: Male / Female

Academic Qualification: _____

Designation/Dept.: _____

Years of Teaching Experience: _____

Area of Specialization: _____

Phone/Fax: _____

E-mail: _____

Contact No: _____

Address: _____

PIN code: _____

Is the institution approved by AICTE? Yes/No

Need accommodation: Yes/No

Signature of the Applicant

Forwarded by (Head of the Institution)

DECLARATION BY APPLICANT

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the STC Programme. I shall attend the programme for the entire duration.

Place:

Date:

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Certified that Dr/Mr./Ms -----

is an Employee of our Institution and is sponsored to attend the QIP sponsored STC on "Opportunities and Challenges in Internet of Things". He/She will be permitted to attend the course fully, if selected.

Place:

Date:

Signature of the Sponsoring Authority with Seal

Address for Correspondence

Dr. R.SARALA

Dr. M.THENMOZHI

Department of Computer Science & Engineering, Pondicherry Engineering College, Pillaichavady, Puducherry-605014
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ABOUT PUDUCHERRY

Heritage is one of the most precious gifts, Puducherry offers to its tourists and visitors. The coastal town of Puducherry with the French ambience is known for the serene atmosphere. The great poets Subramaniya Bharathi, Bharathidasan, Sri Aurobindo are some of the legends associated with Puducherry. Sri Aurobindo Ashram, Auroville, Bharathi Park, Ousteri Lake, Chunambar boat house, Botanical Garden, Manakula Vinayagar Temple, and Arikamedu (archaeological importance) are some of the major tourist attractions of Puducherry.

ABOUT THE INSTITUTION

Pondicherry Engineering College (PEC) is an autonomous institution started in the academic year 1985-86 under the seventh plan which is promoted and fully funded by the Government of Puducherry. Ever since its inception, the college has registered speedy progress and it now offers eight undergraduate, thirteen post graduate courses, and Ph.D. programmes in all branches of Engineering and Basic Sciences. The college is situated at Pillaichavady, about 12 Kms from Puducherry town and about 150 Kms from Chennai along the scenic beauty East Coast Road (ECR) on the shores of the Bay of Bengal.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established during the inception of the college. The Department offers B.Tech, MCA, M.Tech in Distributed Computing Systems, M.Tech in Information Security and Ph.D. programmes.

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OPPORTUNITIES AND CHALLENGES IN INTERNET OF THINGS



27th Nov to 1st Dec 2017

COORDINATORS

Dr. R.SARALA
Dr. M.THENMOZHI



Organized by

**Department of Computer Science &
Engineering**

Pondicherry Engineering College
(An Autonomous Institution of Govt. of
Puducherry)

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