IIEST

Indian Institute of Engineering Science and Technology (IIEST), Shibpur was set up as the first IIEST of the country by the Government of India in 2014 by converting the erstwhile Bengal Engineering and Science University, Shibpur. The institute, established in 1856 as Bengal Engineering College, has been a premier seat of higher learning in the field of Engineering and Technology.

ABOUT THE DEPARTMENT

The Department of Information Technology started its journey in this institute in 2000. It is one of the youngest departments of this 150 years old University. The department runs both the undergraduate and post graduate courses, with the post graduate course having a specialization in Information and Communication Technology. The department has produced excellent IT engineers who are serving in different reputed organizations and pursuing higher studies at Institutes of excellence. The strength of the department has been in its diverse areas of research in which it has a remarkable contribution. The department also has some collaborative research works with the outside and worldwide renowned institutes.

TEQIP

The World Bank supported Technical Education Quality Improvement Programme (TEQIP) is a long term programme, being implemented in three phases for a systemic transformation of the Technical Education System in India.

In its second phase (TEQIP III), engineering institutions spread across India have been competitively selected to implement the project enabling the institutions to improve the quality of Technical education through institutional reforms.

OBJECTIVE OF TEQIP III

To strengthen the institutions by improving the learning outcomes and employability.

HOW TO APPLY

Registration in Google Forms:

https://bit.ly/2Is3WpI

The selected participants will be intimated through E-Mail.

IMPORTANT DATES

Last date for application: 13.06.2019

Selection of intimation to participants (through E-Mail only): 14.06.2019

TEQIP III SPONSORED
Five Days Faculty Development Program
on
Development of IoT and its Applications
June 17th – 21st, 2019

Coordinator

**Dr. Indrajit Banerjee &
Dr. Tuhina Samanta**
Professor, IIEST Shibpur

Organized by

**Department of Information Technology,
Indian Institute of Engineering Science and Technology, Shibpur**

Workshop Venue:

**Department of Information Technology,
Indian Institute of Engineering Science and Technology, Shibpur
P.O. - Botanic Garden, Howrah, West Bengal
711103**

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Five Days Faculty Development Program
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SCOPE

The Internet of Things (IoT) is one global digital nervous system of devices and sensors that can connect devices with each other and with people. Realization of Internet of Things can be done by connecting various physical objects to the IT infrastructure leading to Ubiquitous computing. IoT opens new horizons for industrial automation, like monitoring, control, maintenance planning, etc, of industrial resources and processes. IT systems can be monitored by organizing number of resources like machines, infrastructure elements, products, thus proposing architectural optimization. Modernized development creates demand for more data storage and variety of integration of resources found within or outside an organization, or in internet.

OBJECTIVE

In this five days' FDP, we propose to deliver an overview of IoT based automations systems, present trends in the field, and recent challenges, followed by lab-on demonstration of some motes equipped with IoT application kits. The attendees will get acquainted with some devices, presently being used in many IoT applications.

CONTENTS

The major topics planned to be covered are:
Hands-on session with:

- Python

- Raspberry Pi

- Arduino Uno

- Node MCU

- Reading from Sensors

- Driving Actuators

- Wired & Wireless Connectivity

- Introduction & Application: IoT with Cloud Computing

- Project Ideas & Research perspective

NOTE:
- ID Card Photocopy Compulsory.

- No Accommodation / TA-DA will be provided.

- Participants restricted to 40 Nos.

RESOURCE PERSONS

Sessions will be handled by Industry experts and professors from IIEST Shibpur.

REGISTRATION FEE

There is no course fee.

ELIGIBILITY

Faculty members, technical staff members, and research scholars from various institutes may apply for the course.

FOR FURTHER DETAILS, CONTACT

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