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AICTE/QIP Sponsored Short-Term Course
On
**“Internet of Things: Convergence of Sensing, Cloud
and Big-Data Networking”**

July 13-26, 2015

Sponsored by

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, New Delhi

Course Coordinator
Prof. Sudip Misra
Ph.D. (Carleton U, Canada)
IEEE Senior Member
Humboldt Fellow (Germany)
Associate Professor

Organized by

School of Information Technology
Indian Institute of Technology
Kharagpur 721302, India

Introduction

Cloud computing and the big-data analytics are the two new technologies that are evolving across the globe. IT organizations are moving towards the concept of seamless computing, and real-time processing of data with high degree of resource scalability. Moreover, cloud technology is continuously improving in security and data integration techniques. Business organizations are more concerned with the growing scope of data analytics, rather than selective storing of data from diverse resources. Thus, big-data and cloud technologies go hand-in-hand and as a result, most of the organizations are inclining towards cloud delivery models, in addition with the support of big-data analytics, especially for mission-critical workloads.

The collaboration of these two technologies enable the scope of another emerging technology – the Internet-of-Things (IoT). With the help of cloud and big-data networking, today it is possible to envision pervasive connectivity, storage, and computation, which, in turn, gives rise to different IoT solutions from environmental sensing to public safety. IoT-based applications such as innovative shopping system, infrastructure management in both urban and rural areas, remote health monitoring and emergency notification systems, and transportation systems, are gradually realizing the long-awaited dream of smart-cities. Hence, proper focus on Internet-of-Things, with the assistance of cloud and big-data technology, is of utmost importance in today's modern world.

Resource Persons

Primarily faculty members of IIT Kharagpur will be teaching the course. Renowned professors/scientists from other academic/research institutions may also offer a few lectures.

Participants

Faculty and students of AICTE approved Technical Institutes are eligible to participate FREE of cost. Other participants will have to pay the applicable fees.

Registration & Fees

Registration form in the prescribed format should reach the Coordinator on or before June 24, 2015. As there are only a few seats available for this course, preference will be given to eligible early bird registrations. Please enclose your biodata along with the filled registration form. The selected participants will be informed through e-mail or by phone on or before July 1, 2015. There is no registration fee (for AICTE approved institutions). However, while registering, a fee of ₹ 1,000/- by way of DD drawn in favour of Dean (CE), IIT Kharagpur has to be sent in advance, which will be refunded after successfully completing the course. The registration fee for other participants, if approved, will be ₹ 15,000 (excluding TA/DA). Course fees for other participants are to be paid strictly by bank draft in favor of 'CEP-STC, IIT Kharagpur' payable at Kharagpur.

The following course fees apply for eligible applicants:

- **For AICTE College Participants**

AICTE Approved College Teachers/Students: FREE

The TA (for shortest route, by maximum AC 3-tier) of each AICTE college participant will be reimbursed up to an amount of ₹ 2,000. Relevant claim forms will have to be filled-up by the participant after completing the course. On campus accommodation, if available, will be provided to AICTE college participants.

- **Other Participants**

Overseas Participants: US \$500

Sponsored Industry/ Research Organizations: ₹ 10,000

Self-sponsored Participants: ₹ 5,000

The above fees do not include TA/DA/Accommodation for non-AICTE college participants. However, accommodation for these participants can be booked on payment basis. Such participants should inform their accommodation requirements immediately.

Address for Communication

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IIT Kharagpur Campus

Kharagpur is known world over for two landmarks. One, the longest railway platform in the world and the other, the Indian Institute of Technology, more commonly known as IIT. Situated about 120 km west of Kolkata, Kharagpur can be reached in about 2 hours by express trains from Howrah railway station of Kolkata or 3 hours by car from Kolkata Airport. Kharagpur is also connected by direct train services to most major cities of the country. The Institute is about 10 minutes drive (5 km) from the Kharagpur railway station. Private taxi, auto-rickshaw or cycle-rickshaw can be hired to reach the Institute.

APPLICATION FORM
AICTE/QIP Sponsored Short-Term Course
On
Internet of Things: Convergence of Sensing, Cloud, and Big Data Networking
July 13-26, 2015

1. Name: _____
2. Date of Birth: _____
3. Designation: _____
4. Institution: _____
5. Whether the institution has AICTE approval: Yes/ No (Attach proof)

6. Address for Correspondence

e-mail : _____ Phone : _____

7. Educational qualifications: _____
8. Experience (in years): _____
9. Accommodation Required: Yes/ No

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration without any failure.

Place:

Date:

Signature:

Sponsorship Certificate

Dr/Mr/Mrs/Ms _____ is a full-time employee of our Institute and is hereby sponsored to participate in the AICTE/QIP Sponsored Short-Term Course on “Internet of Things: Convergence of Sensing, Cloud, and Big Data Networking”. It is also certified that our college/university/institute is approved by AICTE (Strike off the sentence, if not applicable).

Signature and Seal of Head of Institution

Place:

Date: