

#### **ADVISORY COMMITTEE (Academic)**

**Prof. (Dr.) Sparshamoni Chatterjee**  
Chairman, RCCIIT

**Prof. (Dr.) Partha Bose**, Principal, RCCIIT

**Prof. (Dr.) Pramatha Nath Basu**

Professor (IT), RCCIIT

**Dr. Siddhartha Bhattacharyya**

Head – IT & Dean – R & D, RCCIIT

#### **ADVISORY COMMITTEE (Finance)**

**Mr. Biswanath Chakraborty**

TEQIP Coordinator, RCCIIT

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#### **CONVENERS**

**Ms. Moumita Deb**, Assistant Professor, IT

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#### **COORDINATORS**

**Ms. Abantika Choudhury**, Assistant Professor, IT

**Mr. Hiranmoy Roy**, Assistant Professor, IT

#### **ORGANIZING MEMBERS**

**Dr. Dipankar Majumdar**, Associate Professor, IT

**Mr. Hrishikesh Bhaumik**, Associate Professor, IT

**Mr. Anirban Mukherjee**, Assistant Professor, IT

**Mr. Indrajit Pan**, Assistant Professor, IT

**Mr. Soumyadip Dhar**, Assistant Professor, IT

**Mr. Arijit Majumder**, Asst. Programmer, IT

**Ms. Sudipta Bose Nandi**, Asst. Programmer, IT

**Mr. Ripon Mondal**, Technical Assistant, IT

**Ms. Moumita Chatterjee**, Junior Assistant, IT

### **One Week National Level Faculty Development Program (FDP) under TEQIP – II on**

**Recent Advancements in Wireless  
and Mobile Network Technologies  
(RAWMNT-2014)**

**July 21-25, 2014**

Organized by

**Department of Information Technology**

**&**

Technically sponsored by

**ACM Kolkata chapter**



### **RCC INSTITUTE OF INFORMATION TECHNOLOGY**

Unit of an Autonomous Society of the Department of  
Higher Education, Government of West Bengal



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## **RCC INSTITUTE OF INFORMATION TECHNOLOGY**

It is a World Bank funded (TEQIP - II) Government aided self financing Engineering College under an Autonomous Society of Department of Higher Education, Govt. of West Bengal. It was setup in 1999 with an active support and collaboration of Ministry of Information Technology, Government of India and Department of Higher Education, Govt. of West Bengal. The Institute offers five B. Tech. and three M. Tech. programs along with MCA.

### **DEPARTMENT OF INFORMATION TECHNOLOGY**

#### **MISSION**

To create a global ambience that fosters excellence in teaching-learning, research and development aided by state-of-the-art infrastructure, a dedicated pool of faculty and staff members and an inspired group of alumni that would help the students to excel in IT and ITES.

#### **VISION**

To empower students to become global leaders in the IT based sector that would cater the needs of the local and global community.

#### **PROGRAM EDUCATIONAL OBJECTIVE (PEO)**

- To enable graduates to contribute with excellence in IT-Enabled and Allied Services
- To imbibe into the graduates ability to apply Engineering principles creatively in solving problems of the community & society
- To infuse into the students a spirit of collaboration, leadership and teamwork
- To develop their communication and managerial skills to handle challenges in projects and works in multidisciplinary teams by understanding societal and professional responsibility and initiate lifelong learning opportunities
- To undertake research, design and developmental projects in the frontier areas of technology
- To prosper in a multinational, multilingual and multicultural atmosphere

## **COURSE OBJECTIVE (CO) OF FDP**

This Faculty Development Program (FDP) is meant to setup a forum for deliberation of the basic as well as advanced concepts in Wireless and Mobile Network Technologies. Eminent speakers from academia as well as industry will share some of their valuable knowledge resources which will mark new avenues in this domain. This FDP will span over 5 days and comprises technical and hands on sessions. Major objectives of this course are:

- Sharing basics of wireless and mobile communication domain
- Gaining knowledge on recent topics under wireless and mobile communication arena related to UG and PG curriculum
- Getting an opportunity to learn research directions in wireless networking
- Impart knowledge of simulation environment
- Increase familiarity with one of the simulation interfaces

### **WIRELESS & MOBILE COMMUNICATION**

Wireless cellular systems have been in use since 1980s. We have seen their evolutions to the wireless systems of first, second, third and fourth generations. Wireless data transfer is affected by several phenomena, which either do not appear in wired communication or their impact on wired communication is very small. Several issues like higher probability of data loss caused by the interfered data corruption, low transmission rates, which is closely coupled with the utilized frequency and encoding of data in the signal, cause low bandwidth of the wireless media in comparison to the wired media.

Widely spread wireless technologies like cellular networks and wireless LANs (which are based on the combination of wired and wireless networks) can be considered as well known area of knowledge nowadays. Research in the area of wireless networks with backbone infrastructure is still considerable, but in recent years research community has started focussing on even more challenging areas of these networks, e.g. ad-hoc network, VANET, Femtocell, BAN etc.

## **SPEAKERS (TENTATIVE)**

**Prof. Atal Chaudhuri**

Jadavpur University, Kolkata, WB

**Prof. Amlan Chakraborty**

Calcutta University, Kolkata, WB

**Prof. Paramartha Dutta**

Visva-bharati University, Shantiniketan, WB

**Prof. Debashis De**

West Bengal Univ. of Technology, Kolkata, WB

**Prof. R. R. Rout**

National Inst. of Technology, Warangal, AP

**Prof. Indrajit Banerjee**

Indian Institute of Engg. Sci. & Tech, Shibpur, WB

**Dr. Soumya Sankar Basu**

IBM, India

### **REGISTRATION GUIDELINES**

The FDP is mainly aimed for Faculties of all AICTE approved Engineering colleges and Universities across India. However registration is limited and will be done on first come priority basis. Arrangement for accommodation can be done on prior request at own cost.

This FDP has to be attended on all five days. Attendances at every session are mandatory to qualify for the Certificates. Certificates will be issued on the concluding day of the FDP.

- **Registration fees – Rs. 1000.00**
- **NO TA/DA will be provided**
- **NO Spot Registration will be entertained**

Participants have to mail a scanned copy of their duly filled-in Registration form to the following email id :

[rawmnt2014rcc@gmail.com](mailto:rawmnt2014rcc@gmail.com)

**Last date to submit filled up registration form is**

**17<sup>th</sup> July 2014.**

Any query related to this FDP (RAWMNT - 2014) can be communicated to the Conveners