

**Recent Trends in Research and Research  
Methodology**

(FDP under TEQIP-II)

**Venue : RCC Institute of Information Technology  
January 6 - 10, 2014  
REGISTRATION FORM**

Name: \_\_\_\_\_

Institute: \_\_\_\_\_

Institutional Address\*: \_\_\_\_\_

Designation\*: \_\_\_\_\_

Qualification: \_\_\_\_\_

Specialization\*: \_\_\_\_\_

Research Interest\*: \_\_\_\_\_

Mobile/Landline\*: \_\_\_\_\_

Accommodation: (Required/ Not Required)

E-mail\*: \_\_\_\_\_

Applicant's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

The above applicant will be permitted to participate

Signature of Principal/Head of the Department with Seal

\* Mandatory

**ADVISORY COMMITTEE**

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Chairman, RCCIT and Former VC, BESU

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**Prof. (Dr.) Pramatha Nath Basu**, IT, RCCIIT

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*One week Faculty Development  
Program  
Under TEQIP-II on*

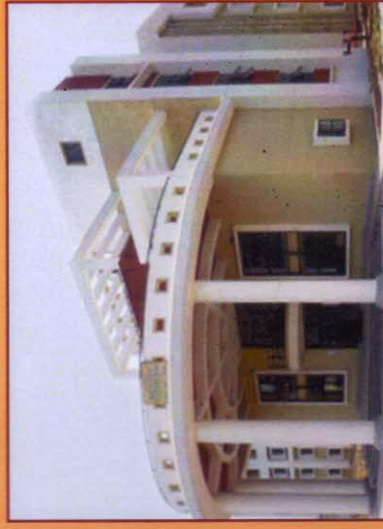
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**Organized by**

**Department of Information Technology  
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.

#### Recent Trends In Research And Research Methodology

To compete in this today's work-a-day world, R & D has been a matter of prime concern for the academicians. Without properly directed research, one is likely to fall way behind.

Recent trends in research in the IT sector can be commonly ascribed to the newer technologies per se. These include **Quantum Computing, Unsupervised Clustering, Quantum Inspired Soft Computing and Statistical Analysis and Manipulation of Data.**

Quantum Computing deals with qubits, the building model of a Quantum Computer, which is likely to much faster in operation to the classical computer due to the inherent parallelism in qubit representation of data. Unsupervised clustering deals with clustering of data into homogeneous clusters without any human intervention. Quantum Inspired Soft Computing uses the quantum mechanical principles in soft computing tools to solve a real world problem. Statistical Analysis and Manipulation of Data deal with the statistical properties of data under consideration.

**Research methodology** is the process used to collect information and data for the purpose of making decisions. The methodology may include publication research, interviews, surveys and other research techniques, and could include both present and historical information.

It is the theoretical analysis of the methods applied to a field of study, or the body of methods and principles associated with a branch of knowledge. It, typically, encompasses concepts such as paradigm, theoretical model, phases and quantitative or qualitative techniques.

A research methodology offers the theoretical underpinning for understanding which method, set of methods or so called "best practices" can be applied to a specific case.

#### Objective

This Faculty Development Program (FDP) is meant to setup a forum for deliberation of the basic concepts in Recent Trends in Research and Research Methodology. Eminent researchers from academia will deliver on some of their own research works that marks new avenues in this domain. This FDP will span over 5 days and comprises 7 technical and 3 hands on sessions. This will surely give a rare exposure to the participants on advances in technologies and research methodologies in allied paradigm for shaping their research competency.

#### Speaker Details

**Prof. Susanta Chakraborty**  
BESU, Howrah

**Prof. Paramartha Dutta**  
Visva-Bharati University, Santiniketan

**Prof. Anup Kolya**  
Jadavpur University, Kolkata

**Prof. Ritabari Roychowdhury**  
Ex Prof. RCCIIT, Kolkata

**Prof. Sourav De**  
IIT, BU, Burdwan

**Prof. P. K. Das**  
RCCIIT, Kolkata

**Prof. Siddhartha Bhattacharyya**  
RCCIIT, Kolkata

**Prof. Hiranmoy Roy**  
RCCIIT, Kolkata

**Prof. Soumyadip Dhar**  
RCCIIT, Kolkata

#### Tentative Itinerary (06 to 10 January 2014):

Date	Duration	Agenda
06.01.14	11.00 - 13.00 14.00 - 16.00	Lecture on Quantum Computing Lecture on Image Processing
07.01.14	11.00 - 13.00 14.00 - 17.00	Lecture on Quantum Inspired Soft Computing Hands on Image Processing
08.01.14	11.00 - 13.00 14.00 - 17.00	Lecture on Unsupervised Clustering Hands on Image Processing
09.01.14	11.00 - 13.00 14.00 - 17.00	Lecture on LATEX Hands on LATEX
10.01.14	11.00 - 13.00 14.00 - 17.00	Lecture on Research Methodology Lecture on Statistical Data Manipulation

\* Registration on January 6, 2014 (10:00 - 10:30)

\* Inauguration on January 6, 2014 (10:30 - 10:45)

\* Daily Lunch (13.00 - 14.00)

#### Registration Guidelines

The FDP is mainly aimed for faculty members of all Universities and Engineering colleges 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. 2000.00

• NO accommodation will be provided

• NO Spot Registration will be entertained

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

**fdp.doit@gmail.com**

Original form must have to be submitted by 06.01.2014.