Dr. Shaik Rafi Ahamed
Associate Professor
Department of Electronics and Electrical Engineering
Indian Institute of Technology, Guwahati
North Guwahati, Guwahati-781 039, Assam
Ph. No. 0361-2582520(O)
Fax No.: 0361-2690-2690762

ABOUT TEQIP

Under the TEQIP-II program sponsored by the MHRD IITs have been invited to participate by establishing a Centre dealing with KNOWLEDGE INCUBATION (KIC) vide DO No. 16-25/2013-TS.VII dated 25th June 12013. These Centres are intended to become a focal point for training Faculty, Staff and students from TEQIP-II institutions in Knowledge Engineering, Content Creation, Improving Teaching, Pedagogy & administrative skills in identified niche areas/ disciplines.

ABOUT KIC

KIC- Knowledge Incubation Cell at IITG functions as a multi disciplinary as well as interdisciplinary Innovation Incubation Centre with Knowledge Management as its focus. Its activities are in the area of improving quality of technical education, incubator of Innovative Ideas; implementer of contemporary pedagogy practices and development of Learning Content in Technical institutions.

ABOUT IIT GUWAHATI

SNAP OF CAMPUS

IIT Guwahati campus is spread over a sprawling 785 hectares plot of green land on the north bank of the river Brahmaputra around 25 km from the heart of the city. With hills and vast open spaces the campus provides an ideal setting for training. Details on how to reach IITG Campus are available on the website:

Indian Institute of Technology Guwahati

SHORT TERM COURSE on

Wireless Body Area Networks: Transceiver Architectures & Implementations

February 16-20, 2015

Conducted by
Department of EEE
IIT Guwahati

Organised by
Knowledge Incubation Cell
Centre for Educational Technology
URL: http://www.iitg.ac.in/cet

IITG

TEQIP

KIC
KNOWLEDGE
INCUBATION CELL

ABOUT THE COURSE / EVENT

Faculty member of IIT Guwahati and guest faculty members from other premier Institution/ Organization will deliver lecture.

COURSE CONTENTS

Topics to be covered:

- **Overview of Wireless Body Area Networks (WBAN).**

- **Efficient signal conditioning techniques for processing of biological signals**

- **Baseband signal processing techniques.**

- **Efficient architectures for processing stages in physical layer such as Scrambler, BCH Encoder, and Bit Interleaver.**

- **Low Power Architectures for Pulse generator.**

- **Efficient algorithms for time hopping PPM modulator**

- **RF front end circuits for WBAN.**

- **Hands on laboratory classes on the simulation of various stages of WBAN transceiver using MATLAB/Verilog**..

ELIGIBILITY

The course/ event is open to Facultymembers, of TEQIP listed Institutions / Engineering Colleges and Govtfunded NE State Technical Institutions. Seats that remain unfilled will be open to other institutions. No course fee is charged. Candidates from TEQIP institutions willbe reimbursed TA &DA from their respective institutions.

BOARDING AND LODGING

Boarding and lodging facilities (Guest House or Hostel rooms) will be provided for the selected candidates from TEQIP listed institutions.
Depending on availability lodging may be extended to non TEQIP candidates onself-payment basis.

IMPORTANT DATES

The last date for the receipt of duly sponsored applications: BY email: scanned copy: 16/12/14
Hard copy must reach by: 31/12/14
Intimation of selection,: 06/01/15

SELECTION CRITERIA:

Number of seats - 30.
Selection will be based on First cum first served basis from priority
(i) TEQIP mapped Institution (ii) CFTI (iii) State Govt Institutions (iv) Other institutions.

FINANCIAL ASSISTANCE FOM IITG

Limited number of selected Participants from CFTIs & State Govt institutions in the NE (ie: Non TEQIP funded institutions) may be eligible & considered for reimbursement of to and fro railway fare via shortest route in sleeper class (proof of journey / ticket needed) and free lodging and boarding in the hostel during course period.
Selected participants will be informed by e-mail
For all other participants no, TA/DA will be paid by IIT Guwahati.
Address for correspondence :
Dr. Shaik Rafi Ahamed

Department of Electronics and Electrical Engineering

Indian Institute of Technology Guwahati
Guwahati- 781 039
Email:rafiahamed@iitg.ernet.in
http://www.iitg.ernet.in/eee/rafi.html#rafiStart

Application Form

1. Name (block letters):

2. Designation & pay scale

3. Organisation

4. Address for communication

   Pin code: Ph. No.:

   E-mail:

   Fax No.

Mobile No./ Telephone:

5. Highest Academic Qualification,

6. Specialization:

7. Experience:

   (a) Teaching: (b) Industrial:

9. Choice of Accommodation:

☐ Hostel ☐Guest House ☐Will make my own arrangement.

10. Category: ☐ General   ☐Reserved

Please register me for the course on
"Wireless Body Area Networks: Transceiver Architectures & Implementations"
to be held at IIT Guwahati.

I am sending an advance copy of this application by email to the coordinator of the course.

I undertake to send the Hard copy signed by the Head of our Institution.

Place:

Date:

Signature of the applicant