TEQIP II - Sponsored
Hands-on Faculty Development Programme
on
Software Defined Radio
16th & 17th December, 2015

Registration Form

Name:

Gender:
Institution/Organization:

Qualification:
Designation:
Email ID:
Phone Number:
Official Contact Address:

Payment Details:
(DD must be drawn in the favor of **GRIET ECE,**
Payable at Oriental Bank of Commerce, Hyderabad)

DD No:
DD Date:
Name of the Bank:
Amount:

Date:
Place:

Signature of Applicant

Signature & office seal with date of
 Head of the Institution/Organization

Chief Patrons

Prof. P.S. Raju, Director, GRIET
Dr. J. N. Murthy, Principal, GRIET
Dr. K.V.S. Raju, Senior A.O, GRIET
Dr. T.C.Sarma, Professor, HOD, GRIET

Convener

Dr. Ch.Usha Kumari, Professor, GRIET

Organizing Committee

Ms. R.S.Uma Suseela, Asst. Professor.
Ms. K.Nagaja, Asst. Professor.
Ms. Ch.Pratyusha Chowdari, Asst. Professor.
Mr. G.Pradeep Reddy, Asst. Professor.
Mr. T.Laxmi Narayana, Asst. Professor.
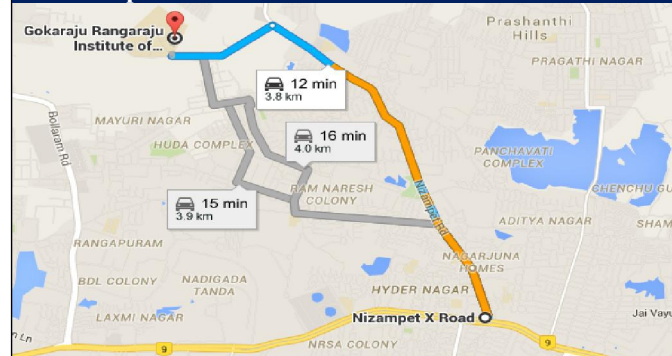

Contact

Send your registration details (soft copy) to sdr@griet.in
For further information
 G.Pradeep Reddy 9948049293
 R.S.Uma Suseela 7382338188

Route Map

Hands-on Faculty Development Programme
on
Software Defined Radio
16th & 17th December, 2015

Sponsored by
TEQIP II

Organized by
Department of Electronics and Communication
Engineering

Gokaraju Rangaraju Institute of Engineering and
Technology
(Autonomous)
Bachupally, Hyderabad-90

About the Institution

Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is a premier institute established in 1997 under the patronage of the Gokaraju Rangaraju Educational Society. The institute is comprised of, among others, the Departments of Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE), Computer Science and Engineering (CSE), Information Technology (IT), Mechanical Engineering (ME), Civil Engineering (CE), Biomedical Engineering (BME) and Bio-Technology (BT).

Graduate Programs are offered by ECE, EEE, CSE, IT and ME. The Institute also offers MCA and MBA Programs. GRIET is affiliated to JNTU, Hyderabad, and is approved by AICTE. The Departments of ECE, EEE, BT, CSE, IT and MCA are accredited by the NBA & NAAC.

About the Department

The Department of Electronics and Communication Engineering was established in the year 1997.

The Department has well-equipped Labs such as Communication Lab, Micro Controller Lab, Digital Signal Processing Lab, Microwave & Optical Communication Lab, e-CAD & VLSI Lab. The Department has highly qualified faculty with vast experience in their field. The Department has a well-balanced workforce having experience in academics and in industry.

Objective of FDP

With the rapid emergence of 4G wireless communication technologies, there has been unprecedented development in the area of radio frequency hardware and software.

There is a paradigm shift from fixed function hardware defined circuitry to software controlled circuitry. Software defined radio is being used actively in both commercial and academic institutions. This workshop aims to provide basic training on software defined radio hardware and programming techniques.

Importance of FDP

There has been a rapid change in the way signal processing and wireless communication is being taught in industry and academia. FPGA and programmable hardware is taking place of old fixed function hardware. It is very beneficial to expose such reprogrammable hardware to faculty members and students and get them trained.

Topics to be covered in FDP

➢ Introduction to Ettus USRP
➢ Working with GNU Radio Companion
➢ Interfacing GNU Radio and Ettus USRP
➢ Working with common modulation techniques(BPSK, QPSK, QAM), OFDM etc
➢ Writing your own signal processing blocks in Python
➢ Collecting RF data and offline analysis
➢ Automating the transmission and reception
➢ Spectrum Sensing

Resource Person

Mr. Sumit Kumar, Research Scientist at SPCRC, IIIT Hyderabad.

Registration

Participants should confirm their interest on or before 14th Dec. 2015 by email.

Work Shop Dates: **16-17 Dec. 2015**

Registration Fee: Rs. 300.

Includes: Tea, Snacks, Lunch and Start-up kit.

How to Apply

The applicants should send their registration information through email and are required to submit hardcopy of registration form along with DD in favor of

GRIET ECE,
Payable at Oriental Bank of Commerce, Hyderabad

OR

For Online/NEFT Transfer
Acc No: 10812041022487
IFSC Code: ORBC0101882
Oriental Bank of Commerce
Bachupally Branch, Hyderabad.

Department of Electronics and Communication Engineering
Email: sdr@griet.in
Website: www.griet.ac.in