



Topics to be covered

- Review of Probability and Random variable
- Stochastic Processes
- Review of digital communication principles and systems
- Digital Modulation Techniques
- The Wireless Channel
- Diversity Techniques
- Multiple access Techniques
- Cellular Concepts
- Capacity of wireless channel
- Opportunistic Communication
- Spatial Multiplexing and channel modeling
- Capacity and Multiplexing
- Architectures
- Diversity and Multiplexing tradeoff

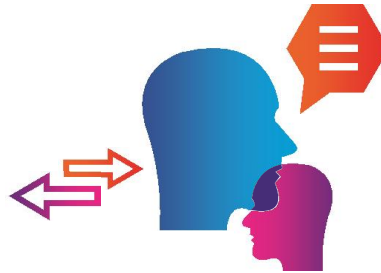


Accommodation

Limited accommodation will be provided on first come-first serve basis, on payment in University Guest House.

Eligibility

Faculty of Educational Institutions/ Graduate Engineers/ Research Scholars/ Research Personnel working in R & D Organization. With a minimum qualification of Bachelor's degree in Electronics & Communication / Electrical / Computer Science and allied branches of Engineering and also PG student are eligible to apply.



How to Apply

Interested people may fill the prescribed registration form and mail the scanned registration form, along with scanned DD on or before **20-07-2015**

Registration Fee

An amount of Rs. 500/- must be paid in DD drawn in favor of Coordinator, FDWC, Dept. of ECE, JNTUH CEH payable at Hyderabad.

Resource Persons

Resource persons from Academy and Industry

Address for Correspondence

B. N. Bhandari, Department of ECE, JNTUH CEH,
Kukatpally, Hyderabad-85

fdwc@gmail.com

#: 9490316662

#: 9966933132

A One Week Workshop On Fundamentals of Digital and Wireless Communication

Under TEQIP –II

27th July – 1st August, 2015



Coordinators

B. N. Bhandari

N. Mangala Gouri

A. Rajani



Organized by

Department of E.C.E

JNTUH College of Engineering Hyderabad

About College

Jawaharlal Nehru Technological University, the First Technological University of India, was established on 2nd October 1972 in Andhra Pradesh with headquarters located in a historic city Hyderabad. The University is one of the premier Universities in India accredited by NAAC with 'A' Grade. After successful and proven levels of appreciated existence and stature spanning over 36 years, JNTU has been divided into four different universities by Govt. of Andhra Pradesh, through Act No.30, Dt. 24th September, 2008. One of the constituent colleges of the University "JNTUH College of Engineering, Hyderabad" is regarded as a pioneer in shaping the excellence of some of the leading organizations of the industry, by churning out the finest professionals with a resolve to scale greater heights in the technological scenario, every year.

The Department of Electronics and Communication engineering, established in 1973, is instrumental in molding the careers of students and helping them to become world-class professionals. Besides highly qualified and experienced staff and well-equipped laboratories, the Department has been awarded 8.1 points out of 10 by the State Board of Technical Education.

Last date for registration

30-06-2015

Last date for registration extended to **20-07-2015**

Programme Timing

9.30 am to 5.30 pm

Venue: Dept. of ECE, JNTUH CEH,
Kukatpally



About the Course

Digital communication techniques and stochastic processes are backbone of all types' communication systems. This course aims at revisiting the underlying principles of stochastic processes and digital communication techniques and their applications to wireless communication. In the recent past there is a vast development in the field of wireless communications. This is due to dramatic improvement in hardware development and success of 2G and 3G wireless standards.

This course is to study the fundamentals of wireless communications with a basic background in stochastic processes and digital communication techniques. The topics will discussed at length to motivate the participants to pursue active research in the area of wireless communication.

Registration Form

Name of the Applicant:
(in Block Letters)

Gender (M/F):.....

Educational Qualification:

Designation:.....

Teaching Experience related to this course:.....

Research Experience related to this course:.....

Name of College:.....

Reason for attending the workshop:
.....
.....

Address for correspondence:
.....
.....

Contact Number:

Email ID:

DD No.....Date.....

Signature of the Applicant with date

Signature of Head of Institute with seal