ABOUT NIT
National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli is one among the premier Institutions of India and is well known for its high standards in teaching and research. It offers 10 undergraduate and 23 postgraduate programs in disciplines spanning engineering, science, architecture and management. It has been declared as an Institute of National Importance by the Government of India under NIT Act. According to the Ministry of Human Resources Development, NIRF 2017, NIT Trichy has been ranked as the 1st NIT among all the NITs and 11th among all the technical institutes in India. The Institute has signed MoUs with various Industries and Institutions both in India as well as in abroad to promote collaborative research and consultancy.

ABOUT THE DEPARTMENT
The Electronics and Communication Engineering (ECE) Department was established in the year 1968. The vision of the department is to provide valuable resources for industry and society through excellence in technical education and research. The department offers Undergraduate, Post Graduate and Ph.D degree programs. Research in the department focuses on high-impact various discipline: Communication systems, Wireless networks, Signals and Image Processing, RF MEMS,MIC, Microwave antennas, Optical communication, photonics and VLSI technologies.

OBJECTIVE OF THE COURSE
The Objective of this short term course is to disseminate the basic knowledge of Analog and Digital communication techniques, its implementation and analysis using software tools for the benefit of ITI, Polytechnic and Engineering students.

RESOURCE PERSONS
The resource persons are from NIT, Trichy.

COURSE CONTENT
• Introduction to communication systems
• Need for Modulation
• Continuous Wave modulation techniques and their implementation using MATLAB/Scilab
• Pulse modulation techniques and their implementation using MATLAB/Scilab
• Digital modulation techniques and their implementation using MATLAB/Scilab
• Introduction to Microwave, Satellite and Optical communication systems.
• Interaction with Python Scripts for communication Modules.

REGISTRATION
Registration Fee: Rs 250 per Participant
The DD for Rs. 250 should be taken in favour of “The Director, NIT, Tiruchirappalli” payable at Tiruchirappalli.

The registration fee includes workshop kit and refreshment for all days.

ACCOMMODATION
Accommodation for participants will be arranged in the institute hostels / guest house on payment basis.
In Guest house: Rs. 300 per day
In Institute Hostel: Rs. 100 per day

IMPORTANT DATES
Complete Registration form along with the scanned DD copy should be mailed to the coordinator on or before 7th November, 2017 to the email: gunavathi@nitt.edu

Note:
1) DD can be submitted at the time of course registration.
2) Spot registration is allowed.

Five Days Short Term Course
on
Analog and Digital Communication Techniques
8th Nov – 12th Nov, 2017

Organized by
Department of Electronics and Communication Engineering,
National Institute of Technology,
Tiruchirappalli,
Tamil Nadu – 620015.

COURSE COORDINATORS
Dr. N. Gunavathi
Dr. B. Rebekka
Dr. B. Malarkodi

Department of Electronics and Communication Engineering,
National Institute of Technology,
Tiruchirappalli-620015
Tamil Nadu, India.

email: gunavathi@nitt.edu

Phone No: 0431 – 250 3300
0431 – 250 3315
09965771681
REGISTRATION FORM

Five Days Short Term Course

on

Analog and Digital Communication Techniques

8th Nov – 12th Nov, 2017

Name : ..........................................................................................................................
(Block Letter)

Designation : ................................................................................................................

Organization: ..................................................................................................................

Official Address: ............................................................................................................
........................................................................................................................................
........................................................................................................................................
........................................................................................................................................
........................................................................................................................................
........................................................................................................................................
........................................................................................................................................
........................................................................................................................................

Mobile : ..........................................................................................................................

e-mail: .............................................................................................................................

Accommodation Required: .......... (YES/ NO)  If Yes, Place : ............................... (Guest House / Hostel)

Date :

Signature : .....................................................................................................................