ABOUT NITT

The National Institute of Technology, Tiruchirappalli (NIT-T), formerly known as Regional Engineering College, Tiruchirappalli (RECT) is one of the technical institutes started by the Government of India. RECT was imparting quality education since its inception in the year 1964. In 2003, the institution has been granted 'Deemed to be University' status with the approval of UGC/AICTE. With a cream of engineering and management talent, encompassing exuberant students and inspiring faculty, integrated with State-of-the-art infrastructure facilities, NIT-T today has emerged as one of the premier institutions in the country. The Institute has signed MoUs with various Industries and Institutions both in India as well as in abroad to promote collaborative research and consultancy.

ELECTRONICS AND COMMUNICATION ENGINEERING

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 Under graduate, Post Graduate, M.S (By Research) and Ph.D degree programmes. Research in the department focuses on various disciplines such as Communication systems, Wireless networks, Signal and Image Processing, RF MEMS, Microwave Antennas, MIC, Optical Communication, Photonics and VLSI systems.

INSTRUMENTATION AND CONTROL ENGINEERING

Department of Instrumentation and control engineering provides high quality education which inspires the students to realize their aspiration and potential. The vision of the department is to constantly strive to make it a world class school in instrumentation and control Engineering. The curriculum is being updated regularly with inputs from industries and reputed educational institutions. The department with its state of the art laboratories, as well as young and dynamic faculty is involved in providing quality education at both UG and PG Levels.

National Institute of Technology, Tiruchirappalli- 620015.

AICTE – MARGDARSHAN
Sponsored
Faculty Development Programme
on
Modern Techniques for Wireless Communication Networks and Signal Processing

19th Aug – 23rd Aug, 2019

Course Coordinators

Dr. B. Malarkodi (Asso. Prof/ECE)
Dr. N. Gunavathi (Asst. Prof/ECE)
Dr. B. Rebekka (Asst. Prof/ECE)
Dr.P.A.Karthik (Asst. Prof/ICE)

SCOPE OF THE TRAINING PROGRAM:

The objective of this course is to cover state of the art research challenges, breakthrough technologies behind the evolution of 4G/5G wireless communication systems, Design and analysis of metamaterial antennas, Frequency Selective Surface (FSS) and Substrate Integrated Waveguide (SIW) techniques for microwave antennas and filters and Signal processing for Biomedical applications. Hands on training in the implementation and analysis of communication modulues using software tools.

COURSE CONTENT

- Fundamental concepts for Design of wireless communication system.
- MIMO Communication.
- Co-operative Communication Networks
- Non-orthogonal Multiple Access.
- Fundamental concepts of Metamaterials
- Design and analysis of metamaterial loaded Antenna using HFSS
- Fundamental concepts of SIW
- Design and analysis of FSS and SIW loaded Filters using CST microwave studio.
- Reconfigurable Antennas
- Signal processing algorithms for Biomedical applications

RESOURCE PERSONS

Resource persons from NITs, TCE and CUSAT with rich experience in teaching, research and laboratory development will be handling the sessions.

REGISTRATION:

Category	Individuals
Mentee Institute Participants	Free of cost
Non-Mentee Institute Participants	Rs.2500 /- [inclusive of GST]

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

ACCOMMODATION:

For Mentee Institute Participants:

No Registration Fee

For Non-Mentee Institute Participants:

Accommodation will be arranged on a twin shared basis at a nominal fee in the institute guest house/ Hostel at Rs.600/Rs.70 per head

IMPORTANT DATES:

Last date for receiving the duly filled- in Registration forms – 13th Aug, 2019

Confirmation of Participants will be intimated through email by **14th Aug 2019**. Selected non-mentee candidates have to bring Demand Draft (Rs. 2500) in favour of "The Director, National Institute of Technology, Tiruchirappalli" payable at SBI, NIT Tiruchirappalli and submit the same on 19th Aug, 2019.

ADDRESS FOR COMMUNICATION

Kindly mail the soft copy of the registration form to the following Email:
gunavathi@nitt.edu
Ph.No.: 9489536873

For any clarifications, please contact:
Mr. N.Deepan, Mobile:9159922877
Mrs. P.Rajalakshmi Mobile: 9786967176

To download the registration form and for latest updates, please refer www.nitt.edu.

REGISTRATION FORM

AICTE – MARGDARSHAN

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on

Modern Techniques for Wireless Communication Networks and Signal Processing

19th Aug – 23rd Aug, 2019

Name (Block Letter):
....

Designation:
....

Organization:
....
....

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

Mobile: ....

e-mail: ....

Mentee/Non Mentee Institution:………

If Non-Mentee, DD. No:…………..

Accommodation Required: .... (YES/ NO)

If Yes, Place: .....………………... (Guest House / Hostel)

Date :   Signature

Signature of the corresponding authority: