



## Wireless Sensor Network and its Applications

A WSN is of spatially distributed autonomous sensors to monitor physical or environmental conditions, such as temperature, sound, pressure, etc. and to cooperatively pass their data through the network to a main location. The development of wireless sensor networks was motivated by military applications such as battlefield surveillance; today such networks are used in many industrial and consumer applications, such as industrial process monitoring and control, machine learning, health monitoring and so on.

### RESOURCE PERSONS:

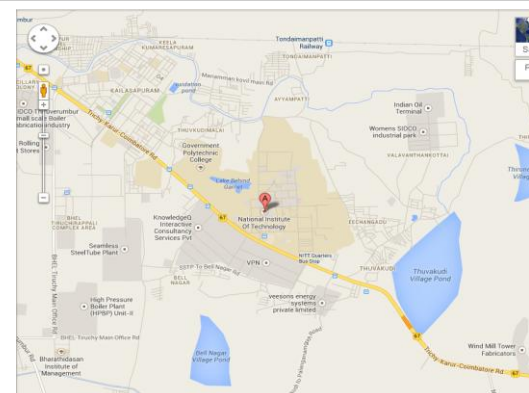
Faculty members of NIT's, Anna University, Amrita University etc.

Registration Fee :- Rs.500  
For Faculty

Send Registration Form to :-  
Dr. S. Sudha  
Associate Professor ,  
Department of Electrical and  
Electronics Engineering,  
National Institute of Technology,  
Tiruchirappalli, TamilNadu.  
Email: [sudha@nitt.edu](mailto:sudha@nitt.edu)  
Phone No. - 09443329313

### Accommodation

Only limited accomodation is available. It will be given on first come first serve basis.



For More Information Please Visit:

[www.nitt.edu](http://www.nitt.edu)



## Faculty Development Programme on Wireless Sensor Networks and its Applications

Under TEQIP-II  
12<sup>th</sup>-16<sup>th</sup> May, 2014

CO-ORDINATOR  
Dr. S.SUDHA

Organized By

Department of Electrical and  
Electronics Engineering  
National Institute of Technology  
Tiruchirappalli  
Tamil Nadu - 620 015

## About NIT, Trichy

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu was started in 1964 with a view to catering to the needs of man-power in technology for the country. This institution was granted Deemed University Status in the year 2003 and renamed as National Institute of Technology, NIT-T. The institution offers Under Graduate Courses in ten branches and Post Graduate Courses in twenty one disciplines of Science, Engineering & Technology besides M.S. (by Research) and Ph.D. in all the departments.

## About EEE, Department

The Department of Electrical and Electronics Engineering of NITT started in the year 1964, offers one Undergraduate Programme (B.Tech.), two Postgraduate Programmes (M.Tech. in Power Systems & Power Electronics) and Research programmes (M.S. & Ph.D.) in various fields of Electrical and Electronics Engineering. The Department is recognized for excellence in research, Teaching and service to the profession.

## Scope of the FDP

- Energy Efficient Schemes in WSN
- Zigbee Fundamentals
- IEEE 802.15.4 MAC standard
- Energy Efficient protocols for WSN
- Application of FLC and ANN in WSN
- WSN Implementation using WSN Testbed
- Machine Learning Techniques using Matlab
- WSN Applications in
  - ❖ Surveillance
  - ❖ Smart Grids
  - ❖ Health Care
- Sensor Cloud
- Research issues in WSN

Last Date for Receiving the Application:  
5<sup>th</sup> May, 2014

Intimation of Acceptance:  
6<sup>th</sup> May, 2014

## REGISTRATION FORM

Name:

Designation:

Contact Address:

Email:

Phone:

Accommodation required: Yes/No

Payment Details

DD Number:

Amount:

Name of the bank:

(DD should be drawn in favour of "The Director, NIT, Tiruchirappalli" payable at Tiruchirappalli).

Signature of the applicant

## Sponsorship Certificate

Ms. / Mr. \_\_\_\_\_ is a Faculty of our Institute/Organization and she/he is sponsored to attend the TEQIP sponsored five day FDP, if selected.

Signature of the Head of the Institute