

A Wireless Sensor Network (WSN) is a self-configuring network of small sensor nodes communicating among themselves using radio to sense, monitor and understand the physical world. In many real time applications the sensor nodes are performing different tasks like neighbor node discovery, smart sensing, data aggregation, target tracking, control and monitoring, node localization and efficient routing between nodes and base station. 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, smart grids, Internet of Things (IoT), big data analytics and so on.

Resource Persons

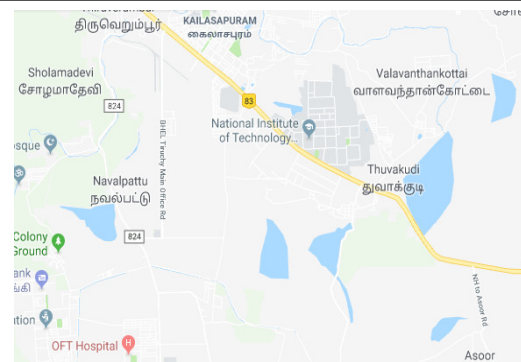
Faculty Members from NIT, Trichy

Registration Fee : Rs.3000
(Only DD)

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
Phone No. +91-9443329313

Accommodation

Accommodation will be provided on payment basis in ladies hostel or guest house on request.



For More Information Please Visit:

www.nitt.edu



**National Institute
of Technology,
Tiruchirappalli**

Faculty Development Programme On *Wireless Sensor Networks*

Design and Deployment

26th - 30th December, 2017

**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 Tiruchirappalli, is one of the 31 National Institutes of Technology established by the Government of India. The institute is located in a campus of 800 acres and has 16 departments covering engineering, applied sciences, humanities and management programs with a strong emphasis on scientific and technological education and research. The institute has signed MOUs with industries and institutions in and abroad to promote collaborative research and consultancies.

About EEE Department

The Department of Electrical and Electronics Engineering of NITT started in the year 1964, offers one UG Programme (B.Tech.), two PG 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. In recent years, the department has carried out noticeable research projects funded by MHRD, DST, AICTE and NaMPET.

Scope of the FDP

- Fundamentals of WSN
- Research issues in WSN
- Design of Fuzzy Logic Controllers
- Fundamentals of Zigbee, Arduino, NS-2
- Energy Efficient Schemes and Clustering in WSN
- Case Study- WSN Applications

Hands on Experience

- Implementation of WSN using NS2
- Zigbee based WSN Set up
- Interfacing Arduino with Zigbee

Eligibility

Faculty, Research Scholars and Post Graduate Students

Last Date for the Application:
20th December, 2017
Intimation of Acceptance:
21st December, 2017

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 favor 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 five day FDP, if selected.

Signature of the Head of the Institute