

**AICTE**

**Sponsored**

**Staff Development Programme (SDP)**

**On**

**ENGINEERING PRACTICES ON  
FUZZY LOGIC, NEURAL NETWORKS  
AND HYBRID INTELLIGENT SYSTEMS**

*15<sup>th</sup> June 2009 to 27<sup>th</sup> June 2009*

**Coordinators**

**Dr. V. LAKSHMANA GOMATHI NAYAGAM**

**Dr. SISHAJ P SIMON**

**Organised by**



**DEPARTMENT OF MATHEMATICS**

**&**

**DEPARTMENT OF EEE**

**NATIONAL INSTITUTE OF TECHNOLOGY**

**TIRUCHIRAPPALLI – 620 015**

**TAMILNADU, INDIA.**

**COURSE OBJECTIVES**

After the development of fuzzy logic and neural networks, there has been a tremendous change in all branches of engineering and medicine. Using them, several engineering problems have been solved by its accuracy and usefulness. Recently applications in these areas and integration of these systems synergise the overall problem solving capability. So this induction training programme gives a comprehensive package in the area of fuzzy logic and neural network fundamentals with applications ranging in the engineering field. Also a concise package on bio-inspired intelligent systems will be dealt.

The objectives of this SDP are

- Enriching the knowledge of fuzzy logic, neural networks and hybrid intelligent systems with engineering applications for academicians, researchers and students.
- Participants can interact with nationwide experts.

**COURSE CONTENTS**

The following topics will be covered in the course:

- ◆ Fuzzy set theory
- ◆ Fuzzy fixed point theory
- ◆ Intuitionistic fuzzy set theory
- ◆ Fuzzy mathematical modeling
- ◆ Intuitionistic fuzzy mathematical modeling
- ◆ Neural networks, Algorithms and Applications
- ◆ Demo of fuzzy logic and neural networks using MATLAB
- ◆ Bio-inspired intelligent algorithms and programming
- ◆ Hybrid intelligent systems

**FACULTY**

The course faculty includes resource persons from various institutions like IITs, NITs, Anna University and Industries.

**DECLARATION BY THE APPLICANT**

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the SDP Programme. I shall attend the course for the entire duration.

Place:

Date:

*Signature of Applicant*

**SPONSORSHIP CERTIFICATE**

Mr/Ms/Dr. \_\_\_\_\_  
is an employee of our institution and sponsored to attend the AICTE – SDP course, if selected.

Place:

Date:

*Signature and  
Seal of Sponsoring authority*

Sponsoring application should be sent to the coordinator of the programme.

**ADDRESS FOR CORRESPONDENCE**

**Dr. V. Lakshmana Gomathi Nayagam /**

**Dr. Sishaj P Simon**

**The Coordinator,**

**AICTE - Staff Development Programme**

**Department of Mathematics / Department of  
Electrical and Electronics Engineering,**

**National Institute of Technology,**

**Tiruchirappalli – 620 015**

**Tamilnadu, India.**

**Mobile: 09443881718, 09944073421**

**Fax : 0431– 2500133**

**Email : velulakshmanan@nitt.edu,**

**sishajpsimon@nitt.edu**

## REGISTRATION FORM

AICTE – SDP

On

### ENGINEERING PRACTICES ON FUZZY LOGIC, NEURAL NETWORKS AND HYBRID INTELLIGENT SYSTEMS

15<sup>nd</sup> June 2009 to 27<sup>th</sup> June 2009

1. Name :
2. Qualification :
3. Designation :
4. Department :
5. Organization :
6. Experience :
7. Mailing Address :
  
- Phone:
- Email:
8. Accommodation Required: Yes [ ] No [ ]
9. Details of Registration Fee  
Amount: DD No.:  
Date :  
Bank name & Place:

## ELIGIBILITY

Teachers / Researchers from degree level institutions are eligible to attend the programme. However participants from industries are also eligible to attend the programme with the prescribed course fee.

## REGISTRATION FEE

Faculty from academic institutions : Rs.500/-  
Participants from industries : Rs.2000/-

The registration fee must be paid by DD in favour of "The Director, NIT, Tiruchirappalli-620015" and payable at SBI, NIT, Tiruchirappalli. The registration fee will be refunded to the participants who attend the programme.

## BOARDING AND LODGING

Boarding and lodging will be provided in the Institute hostel for the participants from degree level institutions and TA will be paid as per AICTE norms. Industrial participants have to make their own arrangements for boarding and lodging and also No TA will be paid.

## IMPORTANT DATES

Last date for receiving Application: **22-05-2009**  
Intimation of selection : **30-05-2009**

Additional registration forms may be photocopied or downloaded from the website [www.nitt.edu](http://www.nitt.edu)

## ABOUT NIT-TRICHY

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering to the needs of manpower in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development.

## HOW TO GET TO NIT-TRICHY

NIT- Tiruchirappalli is located about 22 km from Tiruchirappalli Jn / Central Bus-stand on the Tiruchirappalli -Thanjavur Highway. The simplest and most economical way to reach NIT-Tiruchirappalli is by bus. Board Thanjavur bound route bus and get down at NITT. The journey time from Tiruchirappalli will be around 45 minutes.

