

ABOUT US

NIST is the one of the premier engineering institute of eastern India. It holds the honor of being first engineering college in the entire southern Orissa which was established in the year 1996. Apart from teaching NIST is well known for its research activities. The institute offers 4 year B.Tech courses, MCA, MBA and M.Tech Programmes (ECE & CSE) under BPUT, Orissa and PGDM (Autonomous programme approved by AICTE) it is located around 12 kms away from Berhampur city along the NH-5. The different research groups which are active in our institute VLSI & microelectronics, micro wave and antenna, automation and control, robotics, sensor networks & communication, embedded systems and signal and image processing.

ABOUT THE DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The course will be organized by Department of Electrical and Electronics Engineering having well experienced faculty members from teaching and Industrial background. The department has started in the year 1996 with an intake of 60 students. Since then the department has conducted a number of short term and FDP programmes on various challenging topics catering to the industrial requirements. Every year the department conducts summer training on Simulation and Modelling in Advanced Research topics of Electrical Engineering for inside and outside students. To name a few, the department is well equipped with Network Devices Lab, Electrical Mechines Lab, Power Electronics Lab, Process control & Automation Lab, Robotics Lab and Embedded Lab etc.

ABOUT BERHAMPUR CITY

The city of Berhampur is quite well known for its traditional handicrafts and silk garments. The major attraction for tourists is Gopalpur on sea which is just a few kms away from Berhampur. It is famous for one of the most pristine beaches of Orissa, where swaying (casuarina, coconut) trees and sand dunes which separates the beach from blue waters at as the perfect setting for peace and tranquility. Berhampur is also famous for its temples and creeping attractions like hot water spring with medicinal benefits (Taptapani).



TA/DA ACCOMMODATION

The participants will be provided with free boarding and lodging and will get TA (2nd class sleeper to and fro fare on production of ticket) and local transport. Certificate will be provided after attending the course for the entire duration.

ADDRESS FOR CORRESPONDENCE

Dr. Gayadhar Panda

Professor & HOD

Dept. Electrical & Electronics Engg.

N.I.S.T. Palur Hills, Berhampur – 761008

Orissa, India, Ph: +91 9861215861

E-mail Id: gayadharpanda@gmail.com

ORGANIZING COMMITTEE

CHAIRPERSON

Prof. Sangram Mudali, Director, NIST

CO- CHAIRPERSON

Dr. A.K. Panda, Dean, NIST

Advisory Committee

Prof. Geetika Mudali

Dr. Siddhartha Panda

Dr. A.K. Padhy

Dr. P.C. Biswal

Dr. S.K. Tripathy

Dr. Motahar Reza

Dr. Sudhir Panigrahy

Mr. M. Suresh

Mr. Satyabrata Das

Organizing Committee Members

Mr. Sambran Ray

Er. N.Sahoo

Er. S.C. Nayak

Mr. S.M.A.K. Azad

Ms. S.Padhy

Ms. R.Pradhan

Mr. B.P.Pattnaik

Ms. P.Sunita

Co-Coordinator

Mr. G. Prasad

Cell : 09861762509

E-mail : gprasadgoud@gmail.com

Mr. Arabinda Panda

Cell : 094381 37673

E-mail : ap_nist@rediffmail.com

AICTE Sponsored

National Symposium

On

**DSP AND AI TECHNIQUES TO
EMERGING TRENDS IN POWER
ENERGY SYSTEMS**

(DATE/TYPES)

4th - 5th July, 2009

AICTE Sponsored

Faculty Development Programme

On

**EMERGING TRENDS AND ADVANCES IN
RENEWABLE ENERGY**

(ETARE)

6th - 11th July, 2009

Coordinator

Dr. GAYADHAR PANDA

Organized by



**National Institute of Science &
Technology**

Palur Hills, Berhampur - 761008

Orissa

EMERGING TRENDS AND ADVANCES IN RENEWABLE ENERGY (FDP)

INTRODUCTION

The growing demand for electrical energy and increasing fuel costs throughout the world have created an urgent need to explore new energy sources. These are usually termed as non-conventional energy sources for electric supply. The utilization of renewable energy resources for electric power supply has received considerable attention in recent years due to adverse environmental impacts and fuel cost escalation associated with conventional generation. At most electrical utilities around the world are vitally concerned with the reliability and the cost of their services especially in today's restructured environment. Considerable effort to the services especially in today's restricted environment. Considerable effort to be made in the reliability assessment of power systems utilizing renewable energy sources.

OBJECTIVE OF THE PROGRAMME

This course is designed to give a brief yet comprehensive exposure to participants like young faculties, working scientists/engineers. This will also enable the participants to carry out research activities in their chosen fields of interest subsequently. Substantial emphasis will be given to emerging areas of power generation based on Renewable Energy source for better understanding. Special care will be taken to maintain lucidity of the material, so that participants can follow the topics with ease, and more important, can make use of them in solving challenging Research / development problem of industry.

COURSE INSTRUCTORS

Experts from IITs, IIITs, Andhra University, Osmania University, JNTU Hyderabad, NITs, NIST and Persons from Industry will deliver the lectures.

DSP AND AI TECHNIQUES TO EMERGING

TRENDS IN POWER ENERGY SYSTEMS (National Symposium)

OBJECTIVE OF THE PROGRAMME

This symposium offers a unique opportunity to the professionals to update their knowledge on the subject, through informative sessions by distinguished speakers. This will also enable the participants to carry out substantial emphasis will be given to emerging areas of power energy systems for better understanding.

TOPICS TO BE DISCUSSED

- Power System Planning and Scheduling
- FACTS and HVDC
- Power System Stability
- Power Quality Management
- Non-Conventional Sources of Energy
- Design aspects of Power Generation
- Power System Relaying and Protection
- Application of Artificial Intelligence Technique
- Application of Digital Signal Processing (DSP)

Call for Abstracts

The proposed National Symposium on "DSP AND AI TECHNIQUES TO EMERGING TRENDS IN POWER ENERGY SYSTEMS" is intended for Faculties and Researchers from different institutions and Industry.

Abstract(s) not more than 150 words containing the title, name of the author(s), name of the institution, sample, methodology, analysis of the data and conclusions, typed in double space on standard size paper (A4) should reach the Coordinator (DATEPES) on or before **15-06-2009**.

Submission of Full Papers

The full papers (not more than five typed) with two hard copies and a soft copy in CD should be sent to the Coordinator (DATEPES) on or before **21-06-2009**.

ELIGIBILITY OF THE APPLICANT

Faculty members from AICTE recognized Engineering Institute, Autonomous College and Freshers from Industry having one to two year experience in relevant discipline are eligible to participate.

HOW TO APPLY

Xerox / typed application form duly filled and attested by the Head of the Institute should reach on or before 15th June 2009. You can also download the application form from the website www.nist.edu. **No registration fee** is required. The short listed applicants will be intimated through e-mail before 1st July 2009.

REGISTRATION FORM

AICTE sponsored

**National Symposium on DATEPES
4th & 5th July 2009**

or

**FDP on ETARE
6th to 11th July 2009**

*Please Specify the Programme :

DATEPES ETARE BOTH

Name:

Designation:

Organization:

Whether institution has AICTE Approval? YES/NO

Address for correspondence :

.....

.....

Sex : Male / Female

Mobile No. :

E-mail ID :

Accommodation Need : YES NO

Title of the paper (if applicable):.....

.....

.....

(Abstract to be enclosed)

Place: Signature of the applicant

Date:

Signature of the Head of the Institute /
Sponsoring Authority : (With Date and Seal)