

ADDRESS FOR COMMUNICATION

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TARGET AUDIENCE

The course is arranged for the Engineering faculty members, Research Scholars, UG and P.G students of Electrical and Electronics Engineering

VENUE, DATE AND TIME

Course will be held at K.L.N. College of Engineering on 23rd and 24th September 2011, between 9:00 a.m and 4.30 p.m.

REGISTRATION FEE:

UG and PG Students : Rs.400 /-
Faculty from Engineering Colleges : Rs 600/-

The fee includes the course material, tea and lunch. Participants, who would like to commute daily from Madurai, can avail the bus transport of K.L.N.C.E. The fee should be sent by **Demand Draft** drawn in favour of “**The Principal, K.L.N. College of Engineering**” payable at Madurai. The fee does not cover accommodation and No TA/DA will be provided to the participants. However on request and depending on the availability, accommodation could be provided in the students hostel at moderate charges.

HOW TO APPLY

Xerox copy of the application duly signed and recommended by the Head of the Institution/ Department may be sent to Mr.S.Parthasarathy, ASP/EEE along with the Demand Draft on or before 16.09.2011

Two Days Workshop On **ANN, PSO and DE APPLICATIONS FOR OPTIMIZATION PROBLEMS**

23rd and 24th, September 2011

Organized by



DEPARTMENT OF EEE (Accredited by NBA) **K.L.N.COLLEGE OF ENGINEERING**

(An ISO 9001:2008 Certified Institution)
Pottapalayam-630 611, Sivagangai Dist
(11 Km from Madurai City)
Tamilnadu.
Ph: 0452 - 2090971/ 972
URL : www.klnce.edu

Convener
Dr.A.V.RAMPRASAD
PRINCIPAL, K.L.N.C.E

Co- Convener
Prof.S.M.KANNAN
Prof & Head, Dept of EEE

Coordinators
Dr. K.Gnanambal, Professor/EEE
Mr.S.Parthasarathy, Associate Professor/EEE
Ms.C.Muthamil Selvi, Assistant Professor/EEE

ABOUT THE INSTITUTION

K.L.N.College of Engineering is the first self-financing Co-educational Engineering College in Madurai, started in 1994. This college is sponsored by a committee of eminent Industrialists and Academicians led by a great philanthropist and industrialist Shri. K.L.N. Krishnan.

This college has been approved by All India Council for Technical Education, New Delhi and affiliated to Anna University.

This college is an ISO 9001: 2008 certified institution.

The college campus is situated in a quiet environment about 11 Km from Madurai city.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering is Accredited by NBA and it was started in the year 1994. It runs a PG course in Power System Engineering besides the UG programme in EEE. The department has a full-fledged faculty with well-experienced, dedicated staff members with different field of specialization.

The department is fully equipped with the latest equipments in Electrical Machines Lab, Power Electronics Lab, Control Measurements and Instrumentation Lab and has excellent computing facilities with the latest hardwares like Fluke 434 Power Quality Analyzer and softwares like ETAP 5.1, PSCAD, MATLAB, AU Power, PSIM, Power world Simulator, etc in our Power System Simulation Lab.

About Madurai:

Madurai is one of the oldest cities in India and has a very rich cultural heritage. It is known as “Temple City” and “Athens of the East” and is famous for the world renowned “Meenakshi Temple”.

SCOPE OF THE PROGRAMME

Soft Computing is a complex of methodologies that includes artificial neural networks, genetic algorithms, fuzzy logic, Particle Swarm Optimization, Differential Evolution and their hybrids.

It admits approximate reasoning, imprecision, uncertainty and partial truth in order to mimic the remarkable human capability of making decisions in real-life, ambiguous environments. Soft Computing has therefore become popular in developing systems that encapsulate human expertise.

Soft computing covers a wide range of application areas, including design, intelligent control, optimization, signal processing, pattern recognition, computer graphics, production, as well as civil engineering and applications to traffic and transportation systems.

Many Engineering problems are highly complex and non-linear. To cope with the complexity and non-linearity, soft computing methods have been used commonly.

This programme aimed at researchers and practitioners who are engaged in developing and applying intelligent systems principles to solve real-world problems.

THE PROGRAMME CONTENTS

- ❖ Introduction to Particle Swarm Optimization and Differential Evolution.
- ❖ Introduction to Artificial Neural Network.
- ❖ Application of PSO, DE to Electrical Engineering Problems.
- ❖ Neural toolbox using MATLAB

REGISTRATION FORM

Two Days Workshop

On

ANN, PSO and DE APPLICATIONS FOR OPTIMIZATION PROBLEMS

23rd and 24th September 2011

Organized by

Department of EEE

K.L.N. College of Engineering

Name :
Designation :
Institution & Address
for Communication :
Phone/ Mobile No. :
E-mail address :
Accommodation required : Yes/ No
Demand Draft particulars :

Date: Signature of Applicant

SPONSORSHIP FROM THE HEAD OF THE INSTITUTION / DEPARTMENT

This is to certify that
Mr/Ms. of
.....
..... is sponsored to participate in the Two
Days Workshop on “ANN, PSO and DE
Applications For Optimization Problems ” during
23rd and 24th September 2011 at K.L.N.College of
Engineering, Pottapalayam, Sivagangai dist.

Date:
Signature (Designation and Seal)