

## TARGET AUDIENCE

The course is arranged for the faculty members of Electrical and Electronics Engineering, P.G students and Engineers interested in Power Systems.

## REGISTRATION FEE:

PG Student	: Rs.300 /-
Faculty from Colleges	: Rs.500/-
Participant from Industries	: 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 student's hostel at moderate charges.

## VENUE, DATE AND TIME

Course will be held at K.L.N. College of Engineering on 21<sup>st</sup> September 2012, between 9:30 a.m and 4.30 p.m.

## HOW TO APPLY

Photo copy of the application duly signed and recommended by the Head of the Institution / Department may be sent to the Coordinator Mr.S.Manoharan along with the Demand Draft on or before 11.09.2012

## ADDRESS FOR COMMUNICATION

### MR.S.MANOHARAN

Assistant Professor/ EEE

**K.L.N. College of Engineering,**  
Pottapalayam-630611, Sivagangai Dist.,  
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**E-mail: sharpmano@yahoo.com**



## FACULTY DEVELOPMENT PROGRAMME ON HANDS-ON TRAINING ON POWER SYSTEM SOFTWARE

21<sup>st</sup> September 2012

*Organized by*



**DEPARTMENT OF EEE**  
**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](http://www.klnce.edu)



**Convener**

**Dr.A.VRAM PRASAD**  
PRINCIPAL, K.L.N.C.E

**Co- Convener**

**Dr.S.M.KANNAN**  
Prof & Head, Dept of EEE

**Coordinators**

**Mr.S.Manoharan,**  
Assistant 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 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

- Started offering B.E. in Electrical and Electronics Engineering in the year 1994 with an intake of 40 and with the latest intake of 120 in 2011.
- Started offering M.E. in Power Systems Engineering in the year 2005 with an intake of 20 and increased intake to 24 in 2012.
- Accredited in March 2004(first time), Re-accredited in 2008.
- Latest software on Power system analysis, Power system stability, Power world simulator and Power electronics are available to study, solve, design and simulate research on Power system and Power Electronics problems to experience the real time results.

## SCOPE OF THE PROGRAMME

The power system problems are highly complex and non-linear. To cope with the complexity and non-linearity, many MATLAB based tool boxes are available to solve the power system problems.

Power system analysis tool box(PSAT) is an open source MATLAB and GNU/Octave based software packages for analysis and design of electric power system. PSAT includes power flow, continuation power flow, optimal power flow, small signal stability, time domain simulation including non conventional loads.

This programme is aimed at researchers and practitioners who are engaged in developing and applying conventional and intelligent systems principles to solve power system problems.

## THE PROGRAMME CONTENTS

- Introduction to Power System problems.
- Open source Power System software's.
- Introduction to PSAT.
- Application of PSAT.

## RESOURCE PERSONS

1. **Dr.K.Gnanambal**, Professor / EEE, K.L.N. College of Engineering.
2. **A.Srinivasan**, Ph.D. Research Scholar.

## REGISTRATION FORM Faculty Development Programme On **HANDS-ON TRAINING ON POWER SYSTEM SOFTWARE** 21<sup>st</sup> September 2012

*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  
Faculty Development Programme on “Hands-on  
Training on Power System Software” during 21<sup>st</sup>  
September 2012 at K.L.N. College of Engineering,  
Pottapalayam, Sivagangai dist.

Date: Signature  
(Designation and Seal)