

REGISTRATION

Refundable registration fee is **Rs.500/-** per participant from AICTE recognized Engineering Colleges / Polytechnics.

Non-refundable registration fee is **Rs.1,000/-** per participant from R&D organization, Industries and Government Departments.

DD should be drawn in favour of "**K.L.N. College of Engineering**" payable at **Madurai**.

DD will be returned back to the participant from AICTE recognized Engineering Colleges / Polytechnics after the successful completion of FDP.

SPONSORSHIP CERTIFICATE

Dr. / Mr. / Ms. _____
is an employee of our Institute / Organization and is hereby sponsored. He / She will be permitted to attend the course, if selected.

Place:

Date :

Signature of the
Sponsoring authority with Office Seal

MAIL TO

Dr. P. Udhayakumar

Co-ordinator, MMSOT 2013

Department of Mechanical Engineering

K.L.N. College of Engineering

Pottapalayam – 630 611

Sivagangai District, Tamilnadu

Mobile: (0) 99409 65637 / (0) 94879 89747

Email: udhaya_kannan@yahoo.com

Website: www.klnce.edu

RESOURCE FACULTY

Sessions will be handled by the faculties from the following reputed institutions.

IISc Bangalore, IIT Madras, IIT Mumbai, IISST Tiruvananthapuram, SVNIT, NITR, NITW, NITC, NITT, PU Pondicherry, AU Chennai, TCE Madurai, etc...

ELIGIBILITY FOR PARTICIPATION

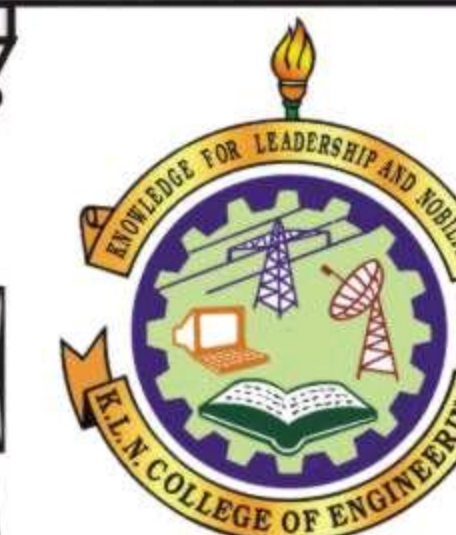
Faculty from AICTE recognized Engineering Colleges / Polytechnics (with Interdisciplinary nature such as Civil, Mechanical, Electrical, Electronics, Computer, Mathematics and Science background), Participants from R&D organization, Industries and Government Departments are eligible to attend the programme.

ACCOMMODATION

- The selected outstation participants from AICTE recognized Engineering Colleges / Polytechnics.
 - ✓ Free Boarding and Lodging will provided
 - ✓ Will be paid TA as per AICTE rule
- All other participants would have to bear their own TA and accommodation.

IMPORTANT DATES

Last date for receipt of application : **30-10-2013**
Date of intimation regarding selection by **EMAIL only** : **01-11-2013**
Last date for confirmation by participants through **EMAIL / Phone** : **04-11-2013**



Faculty Development Programme on Mathematical Modeling, Simulation and Optimization Techniques 6th to 20th November 2013

Sponsored by
(All India Council for Technical Education)
AICTE, New Delhi

Convener
Dr. A.V. Ramprasad, Principal

Co-Convener
Dr. M.R. Thansekhar, HOD/Mech

Co-ordinator
Dr. P. Udhayakumar

Organized by
Department of Mechanical Engineering
K.L.N. College of Engineering
Pottapalayam – 630 611
(11 Km from Madurai City)
Sivagangai District, Tamilnadu

ABOUT THE INSTITUTE

K.L.N. College of Engineering is the first Self-financing Co-educational Engineering College in Madurai, started in the year 1994 by munificence of philanthropist and well wishers in Sourashtra community, which is a linguistic minority in Tamilnadu. This college is sponsored by a committee of eminent Industrialist and Academicians led by enthusiastic, educationalist and industrialist (Amarar) Thiru. K.L.N. Krishnan.

This college has been approved by All India Council for Technical Education, New Delhi and is affiliated to Anna University Chennai. The institution offers seven Under Graduate Courses, seven Post Graduate Courses and Doctoral Programmes in Engineering and Sciences.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department was started in the year 1994. The department offers one UG course (B.E. Mechanical Engg.), one PG course (M.E. CAD/CAM) and Ph.D. The department has also been accredited (successfully third time) by NBA, New Delhi. The department is well equipped with qualified and experienced faculty members with industrial and research background. The department is recognized as Research Centre for doing Ph.D. The department contains well established laboratories to impart good practical training to the students.

COURSE OBJECTIVE

- To provide knowledge and build or formulate mathematical models.
- To discuss the basic trends in simulation model developments, input data analysis, output data analysis and optimization.
- To review the recent developments and applications of simulation.
- To provide tips for successful simulation applications in industry.
- To expose the different techniques / softwares available for solving optimization problems.

COURSE COVERAGE

- ◆ Formulation of Mathematical Modeling
- ◆ Simulation Techniques
- ◆ Genetic Algorithm
- ◆ Simulated Annealing Algorithm
- ◆ Tabu Search Algorithm
- ◆ Ant Colony Optimization Algorithm
- ◆ Particle Swarm Optimization Algorithm
- ◆ Teaching Learning based Optimization Algorithm
- ◆ Bee Colony Optimization Algorithm
- ◆ Artificial Immune Algorithm
- ◆ Sheep Flock Heredity Algorithm
- ◆ NSGA
- ◆ Analytical Hierarchy Process
- ◆ TOPSIS
- ◆ PROMOTHEE
- ◆ Hands on experience in EXCEL, MATLAB, WITNESS, LINGO, ILOG optimization software's
- ◆ Interdisciplinary case study problems
- ◆ Guidelines on how to publish research papers in reputed journals
- ◆ Industrial Visit

AICTE Sponsored Faculty Development Programme
on



Mathematical Modeling, Simulation and Optimization Techniques

6th to 20th November 2013



Organized by

Department of Mechanical Engineering
K.L.N. College of Engineering, Pottapalayam.
Sivagangai District, Tamilnadu.

REGISTRATION FORM

Name :
Gender :
Designation :
Department :
Institution / Industry :
Institution Accredited by AICTE : YES / NO
Educational Qualifications :
Experience : Teaching ____ Industry ____

Address for Communication :

Contact No.:
Email ID:
Accommodation required: YES / NO

Name of the Bank:
DD No: _____ dated _____ for Rs. _____

I declare that the details furnished are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of AICTE sponsored FDP.

Place:
Date: Signature of the Participant