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
Pottapalyam – 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 Tiruvanathapuram, 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 be 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. Thanasekhar, HOD/Mech

Co-ordinator
Dr. P. Udhayakumar

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

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.

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.

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

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