REGISTRATION FEE
Delegates from industries : Rs.750/-
Delegates from Academic Institutions : Rs.500/-
Students from Academic Institution : Rs.350/-

The registration fee includes complete course material, tea and working Lunch.

The Demand Draft should be drawn in favour of “The Principal, K.L.N. College of Engineering” payable at Madurai and mailed to the address given in the application form.

IMPORTANT DATES
Last date for receiving the application: 26-02-2011
Intimation of acceptance: 28-02-2011

MAIL TO
Dr. R. S. Satheesh Kumar
Coordinator
Department of Automobile Engineering,
K.L.N. College of Engineering,
Pottapalayam - 630 611,
Sivaganga District, Tamil Nadu.
Mobile: 94438 55343
Email: rm_satheesh @ yahoo.co.in
Website: www.klnc.edu

COUSE OBJECTIVE

EMERENT Professors from Premier Academic Institutions who have considerable experience in Research and renowned Engineers working in the field of Design & Development will be handling the sessions.

IMPORTANT DETAILS
Faculty and P.G students of Engineering colleges and Industrial persons are eligible to apply.

Accommodation is available at Hostel campus for outstation delegates at payment of nominal charges.

No TA/DA will be given.

Two day
Faculty Development Programme on
Finite Element Analysis
4 - 5, March' 2011
Convener
Dr. S. Ganapathy
Principal, KLNCE
Coordinator
Dr. R. M. Satheesh Kumar
Co - Coordinator
Er. J. Rajesh Babu

Sponsored by
Anna University of Technology, Madurai
Madurai - 625 002
Conducted by
Department of Automobile Engineering
K.L.N. College of Engineering,
Kanchipuram - 630 611,
(11 km From Madurai City)
Tamil Nadu.

ABOUT THE DEPARTMENT

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 Sorastra community which is a linguistic minority in Tamilnadu. This college is sponsored by a committee of eminent industrialist and Academicians led by Enthusiastic, educationist and industrialist (Amar) 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 of Technology, Madurai. The institution offers seven under graduate courses and five post graduate courses.

COUSE OBJECTIVE

The Finite Element Methods (FEM) is a powerful analytical tool that has wide applications in a multitude of physical problems such as stress analysis, vibration analysis, fluid flow, heat transfer, MEMS and others. This powerful design tool has significantly improved both the standard of engineering designs and the methodology of the design process in many industrial applications. Understanding basic program structures of the FEA is an important part for better comprehension of the finite element method.

MATLAB is especially convenient to write and understand finite element analysis programs because a MATLAB program manipulates matrices and vectors with ease.

The major focus of the workshop is to provide theoretical foundation that will lead to better understanding of FEM and their application to those problems related to static and dynamic analysis of beams, plates and structures. Furthermore, this workshop illustrates the finite element implementation of those problems by using simple MATLAB scripts & function, and the available commercial package: ANSYS.

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Topics to be covered:
- Introduction to MATLAB
- Beam, frame and plate structures
- Case studies using MATLAB and ANSYS to solve the problems related to beams, frame and plate structures.
- Modal analysis of undamped and damped systems
- Case studies using MATLAB and ANSYS to perform the modal analysis of the structures.