

<p><b>ABOUT THE COLLEGE</b></p> <p>K.L.N College of Engineering is the first self-financing Co-educational Engineering College in Madurai, started in 1994 by the philanthropists and well wishers in sourashtra community, which is a linguistic minority in Tamilnadu. This college is sponsored by the committee of eminent industrialist and academicians led by enthusiastic educationalist and industrialist Amaran Thiru.K.L.N.Krishnan.</p> <p>The courses offered in K.L.N.C.E are approved by All India Council for Technical Education, New Delhi. It is an ISO 9001:2008 certified institution and affiliated to Anna University of Technology, Madurai. This College offers Seven Undergraduate Programmes, Five Postgraduate Programmes and Doctoral Programmes in Engineering and Sciences.</p> <p><b>ABOUT THE DEPARTMENT</b></p> <p>The Department of Mechanical Engineering is well equipped with qualified and experienced faculty members with research and industrial background. The Department offers B.E Degree course in Mechanical Engineering, M.E Degree course in CAD/CAM and Research Programme leading to PhD.</p> <p>The Department is also accredited by NBA, New Delhi. Anna university of Technology, Madurai has recognized the Department as <b>RESEARCH CENTRE</b> for PhD work. About 20 technical papers have been published by the faculty in various National and International journals. Three staff members are recognized as supervisors for guiding the PhD scholars of the University.</p>	<p><b>SCOPE OF THE WORKSHOP</b></p> <p>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.</p> <p>MATLAB is especially convenient to write and understand finite element analysis programs because a MATLAB program manipulates matrices and vectors with ease.</p> <p>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, frames and plate structures. Furthermore, this workshop illustrates the finite element implementation of those problems by using simple MATLAB scripts &amp; functions and the available commercial package- ANSYS.</p> <p><b>TOPICS TO BE COVERED:</b></p> <ul style="list-style-type: none"> <li>• Basic Concepts of FEA &amp; SM</li> <li>• Introduction to MATLAB</li> <li>• Beam and frame analysis</li> <li>• Case studies using ANSYS</li> <li>• FEA Applications in industry</li> </ul>	<p>Two day Workshop on FEA Applications in Strength of Materials</p> <p><b>REGISTRATION FORM</b></p> <p>Name : _____</p> <p>Designation : _____</p> <p>Department : _____</p> <p>Organization : _____</p> <p>Address for Communication : _____ (With PIN Code)</p> <p>Phone : _____</p> <p>Mobile : _____</p> <p>Email : _____</p> <p>DD No. : _____ Dated _____</p> <p>Bank : _____</p> <p>Amount : _____</p> <p>Accommodation Required: Yes / No</p> <p>Date: _____ Signature of the participant _____</p> <p>Recommendation from Head of the Institution This is to certify that Mr./Ms. _____ of _____ is sponsored to participate in the two day Workshop on 'FEA Applications in Strength of Materials' during 29-30, Sep '11 at K.L.N College of Engineering, Pottapalayam, Sivagangai Dist.</p> <p>Date: _____ Signature _____</p>
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**REGISTRATION FEE (PER DELEGATE)**

Students : Rs.400/-

Delegates from Academic /

Research Institutions : Rs.600/-

Delegates from Industries : Rs.1000/-

The Registration fee may be sent in the form of Demand Draft drawn in favour of “**The Principal, K.L.N College of Engineering**” payable at Madurai along with the registration form duly filled in.

The fee includes course material, lunch, Tea and participant certificate.

No TA/DA will be given.

**IMPORTANT DATES**

Last date for the receipt of

Applications : 22.09.2011

Intimation of acceptance : 26.09.2011

**PARTICIPATION**

The faculty members and students from Engineering & polytechnic colleges, Universities, Research institutions and industries are eligible to participate.

**ACCOMMODATION**

Limited accommodation is available at K.L.N.C.E campus for outstation participants on nominal payment.

**RESOURCE FACULTY**

Eminent 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

**COURSE DETAILS**

Duration : 2 Days (29-30, September '11)

Timings : 9.00 a.m to 4.30 p.m

Venue : Mech. Dept. Seminar Hall  
K.L.N College of Engineering  
Pottapalayam.

**CONTACT DETAILS**

For queries or registration, please contact:

Mr.V.Baskaran & Mr.R.Ashok kumar,  
Coordinators

**Department of Mechanical Engineering**

**K.L.N COLLEGE OF ENGINEERING**

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**TWO DAY WORKSHOP ON  
FEA APPLICATIONS IN STRENGTH OF  
MATERIALS**

**29<sup>th</sup> & 30<sup>th</sup> September 2011**

**Convenor**

Dr.M.R.Thansekhar , HOD/Mech

**Coordinators**

Mr.V.Baskaran, ASP1/Mech

Mr.R.Ashok kumar, AP2/Mech



Organized by

**Department of Mechanical Engineering**

(Accredited by NBA)

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