

**ALL INDIA SEMINAR ON  
Gateway to FEA in Mechanical Design  
January 04-05, 2019**

**DELEGATE REGISTRATION FORM**

Name (In Block Letters):

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Organization / Institution :

.....

Designation :

.....

Address :

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Mobile :

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Telephone :

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Email :

I/We enclosed Cheque/Demand Draft for

Rs. .... in favour of "The Principal,  
K.L.N. College of Engineering" Payable at Madurai & Drawn on  
(Bank Particulars) .....

Cheque/Demand Draft No .....

**Registration :**

**Students (IE Student Chapter) : Rs. 300/-**

**(IEI Members) : Rs. 300/-**

**Students (Non-IE Members) : Rs.400/-**

**Delegates from Academic/Research Institutions : Rs.600/-**

**Delegates from Industries : Rs.1.000/-**

*Fee includes Course Material, Working Lunch and Tea.*

*No TA / DA will be given.*

**Last date for Registration : 02-01-2019**

Date

Signature

**The Institution of Engineers (India)**

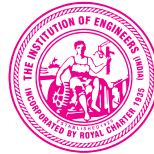
99 years of Relentless Journey towards  
Engineering Advancement for Nation Building  
**MADURAI LOCAL CENTRE**

**ALL INDIA SEMINAR  
ON  
GATEWAY TO FEA IN MECHANICAL DESIGN**

**January 04 - 05, 2019  
Madurai**

ORGANISED BY

**The Institution of Engineers (India)  
MADURAI LOCAL CENTRE**



IN ASSOCIATION WITH

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

(Accredited by NBA, New Delhi)

Pottapalayam - 630 612.

VENUE

**SEMINAR HALL  
DEPARTMENT OF MECHANICAL ENGINEERING**

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

Pottapalayam - 630 612.

**The Institution of Engineers (India):**

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 122 Centres located across the country. Madurai Local Centre is one among the Best Local Centre. The Institution has established R&D Centres at various locations in the country and also provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI conducts Section A & B Examination in different Engineering disciplines, the successful completion of which is officially recognized as equivalent to a Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Govt of India. Every year as many as 90000 candidates appear for these exams. For details, please visit [www.ieindia.org](http://www.ieindia.org).

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

K.L.N. College of Engineering is the first self-financing Co-educational Engineering College in Madurai, started in 1994 by Munificence of Philanthropist and well-wishers in Sourashtra Community which is a linguistic minority in Tamilnadu. This college is sponsored by the committee of eminent industrialists and academicians led by enthusiastic, educationalist and industrialist (Late) Thiru K.L.N. Krishnan. This college has the approval of All India Council for Technical Education, New Delhi and is affiliated to Anna University, Chennai.

This college is situated on the South Eastern outskirts of Madurai, 11th Km on Madurai - Nedungulam Road. It is

built in an area of 53.8 acres. This College offers Seven Undergraduate Programmes, Seven Postgraduate Programmes and Doctoral Programmes in Engineering.

#### About DEPARTMENT OF MECHANICAL ENGINEERING :

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 Ph.D. The Department is accredited for 4th time by NBA, New Delhi. Anna University Chennai has recognized the Department as Research centre for PhD work. Three staff members are recognized as supervisors for guiding the PhD scholars of the University. "IEI Academic Research & Innovation Group (IERIG)" is working in the thrust area of Control System with support of IEI-R&D grant at K.L.N. college of Engineering under Madurai Local centre area.

#### Objective :

The aim of this Two Days All India Seminar is to enable graduate students and engineers for simulating and analyzing engineering products and systems by utilizing computer-based analysis tool.

#### About the Theme :

Finite element analysis (FEA), utilizing the finite element method (FEM), is a product of the digital age, which follows on from matrix methods and finite difference methods of analysis. It is a computer-based analysis tool for simulating and analyzing engineering products and systems. FEA is an extremely potent engineering design utility, which makes it possible to integrate a system with computer-aided design software, leading to simulation and analysis in the design process. FEA is essentially a systematic computerized method of analyzing the effects of electromagnetic field, mechanical stresses (dynamic forces and loads), prolonged heating, thermal shocks and other payloads on mechanical products and their components. Typically, a standard FEA technique includes durability or failure analysis, tolerance and dimensioning analysis, design optimization and various other tasks. FEA methods are mostly performed with software that delivers through the analysis of functional and physical aspects of a system, material, mechanism, design or product

#### Seminar Topics :

##### Types of Analysis

- 1D, 2D, 3D Meshing
- Material Properties and Boundry Conditions
- Weld, Bolt and Bearing Simulation
- Linear, Thermal, Fatigue Analysis
- Experimental Validation& Data Acquisition
- Hands on Training using ANSYS Software

**Resource Persons :** Sessions will be handled by Experts from Industries and Reputed Institutions.

##### Who can attend?

The faculty members and students from Polytechnics, Engineering Colleges, Universities, Research Institutions, Professional Engineers and Industries are eligible to participate in this All India Seminar on "Gate Way to FEA in Mechanical Design".

##### Registration :

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<b>(IEI Members)</b>	<b>: Rs. 300/-</b>
<b>Students (Non-IE Members)</b>	<b>: Rs.400/-</b>
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**Last date for Registration : 02-01-2019**

##### Payment :

All payments are to be made through crossed Demand Draft / At par Cheque, drawn in favour of "**The Principal, K.L.N. College of Engineering**" payable at Madurai.

##### Patron :

Er. K.N.K. Karthik, President, KLNCE  
Dr. K.N.K. Ganesh, Secretary & Correspondent KLNCE

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Prof (Dr) P A Kichena K, FIE, Member, MCDB, IEI  
Mr V V Nair, FIE, Member, MCDB, IEI  
Dr R Venkatesan, FIE, Member, MCDB, IEI  
Prof (Dr) Rajat Gupta, FIE, Member, MCDB, IEI  
Mr.R.Ramdos, FIE, Chairman, TNSC

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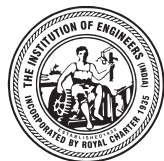
##### CONTACT

##### Name of the contact person :

Er. R. Manikandan, AMIE  
Assistant Professor / Mech. Engg.

##### Address :

K.L.N College of Engineering,  
Pottapalayam - 630 612, Sivagangai District, Tamilnadu  
Phone:78679 86355 Email:mani\_ha@yahoo.co.in



Organised by  
**The Institution of Engineers (India)**  
**MADURAI LOCAL CENTRE**

Book - Post

In association with  
**KLN COLLEGE OF ENGINEERING**  
Department of Mechanical Engineering

**ALL INDIA SEMINAR ON GATEWAY TO FEA IN MECHANICAL DESIGN**

**On January 04 - 05, 2019**

To

If undelivered please return to

**THE INSTITUTION OF ENGINEERS (India)**

MADURAI LOCAL CENTRE

Er. T.M. Jambulingam Bhavan, No.1, Vivekanandha Nagar,  
120 Feet Road, Surveyor Colony, Madurai - 625 007.

Tel : 0452 - 4373067 | E-mail : [iei\\_mrc@yahoo.in](mailto:iei_mrc@yahoo.in)