

The Institution of Engineers (India)
Erode Local Centre
One Day Seminar on
**“Application of the Finite Element
Method of Analysis in Solving Boundary
Value Problems”**
On 19 March, 2018
REGISTRATION FORM

1. Name :
2. Age:.....& Gender.....
3. Qualification :
4. Designation :
5. Name of the Institution :
6. Department :
7. Address for Communication :
8. Mobile Number :
9. email ID :
10. Cheque & DD No :
11. Bank Name & Branch :

The information provided herewith is true to the best of my knowledge. I abide by the rules and regulations governing the seminar programme.

Date : Signature of Applicant

For Registration and Enquiry :

Mobile : 94439-16275, 99420-47775
email ID : mechhod@scteng.co.in

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The Institution of Engineers (India)

AN ISO 9001-2008 CERTIFIED ORGANISATION
(Established in 1920, Incorporated by Royal Charter 1935)
“98 years of Relentless Journey Towards Engineering
Advancement for Nation Building”

One Day Seminar on

**“Application of the Finite Element
Method of Analysis in Solving
Boundary Value Problems”**

On 19 March, 2018

Organized by



The Institution of Engineers (India)

Erode Local Centre

TEXVALLEY CAMPUS, GANGAPURAM, ERODE -638102

Under the Aegis of
Mechanical Engineering
Division Board (MCDB) of IE(I)

In association with
Department of Mechanical Engineering



SENGUNTHAR ENGINEERING COLLEGE

(NAAC Accredited with ‘A’ Grade)

Tiruchengode,

Namakkal Dist-637205

Ph: 04288-255716

Website:www.scteng.co.in

Venue : Sengunthar Auditorium



ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IE(I) is the largest multidisciplinary professional body that encompasses 15 Engineering disciplines and gives Engineers a global platform from which to share professional interest. IE(I) has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IE(I) 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, IE(I) 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. IE(I) 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 121 Centres located across the country. The Institution has provided grant-in-aid to its members to conduct research and development on Engineering subjects.

IE(I) conduct Section A & B Examinations in different Engineering disciplines, the successful completion of which is recognized as equivalent to 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

ABOUT THE ERODE LOCAL CENTRE [IE(I)-ELC]

The Erode local Centre has been one of the active centres of IE(I) which is engaged in successfully translating the objectives and ethics of IE(I) into practices. The centre was established in the year 2015. For more information, please contact IE(I) Erode Local Centre, Texvalley Campus, Gangapuram, Erode -638102, Mobile No: 93644-51464 email ID: ieierode2015@gmail.com / erodelc@ieindia.org

SENGUNTHAR ENGINEERING COLLEGE

Sengunthar Engineering College was established in 2001 with the aim of accomplishing distinction in Engineering and Technological pursuits. It is approved by AICTE, New Delhi and affiliated to Anna University, Chennai.

Our College is an ISO 9001: 2008 Certified Institution, (BSCIC), recognized by UGC under Section 2f & 12B of the UGC Act, 1956 are known for its high values and an acclaimed with the Highest Grade 'A' by NAAC stand

testimony to the commitment of the college to impart quality education. B.E. EEE, ECE, CSE and Mechanical Engineering programmes have obtained Permanent Affiliation from Anna University, Chennai. Here education is redefined to remove the long spell of hibernation in the field of education among the rural students of India. Enhanced hands-on training, well-established infrastructure, updated Software, well-resourced Library, Online Digital Library, Memorandum of Understanding with well-established concerns, Industrial visits, Guest Lectures, Workshops, Symposiums, Conferences, Students Exhibitions and an equal importance given to Sports and Games.

RANKING

Our college Ranked 6th in PROMISING ENGINEERING COLLEGES in India by "COMPETITION SUCCESS REVIEW", Global Human Recourse Development Centre-Engineering Colleges Survey 2017.

"National Cyber Safety and Security Standards" (an Autonomous body) nominated our Institution as National Resource Centre (National Cyber Security Programme-NCSP in Zone -XIV) in Namakkal District. Centre for Excellence, TEXAS Innovation Lab, USA in ECE Department are effectively functioning for the improvement and enrichment of Engineering knowledge. Indeed, our college Awarded the "Best Engineering College in India" with AAA Grade by Careers360 Magazine.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2004 and got permanent affiliation by Anna University, Chennai. The Department is functioning with doctorates and highly qualified faculty members. The Department is equipped with excellent infrastructure and state-of-the-art equipment to explore the technological challenges. So far the Mechanical Engineering Department produced 10 Anna University rank holders. The Department offers the value added courses are AUTOCAD, Pro-E, ANSYS, IDEAS, CATIA, UNIGRAPHICS, and MAT LAB.

OBJECTIVE OF THE SEMINAR

1. To learn basic principles of Finite Element Analysis procedure.
2. To learn the theory and characteristics of Finite Elements that represent Engineering structures.
3. To learn and apply finite element solutions to structural, thermal, dynamic problem to develop the knowledge and skills needed to effectively evaluate Finite Element Analyses performed by others.
4. Learn to model complex geometry problems and solution techniques.

TOPICS TO BE COVERED

The following topics will be covered:

1. One dimensional problems from Solid Mechanics and Heat Transfer.
2. Two dimensional scalar variable problems from Torsion of non circular shaft.
3. Numerical integration and applications of plane stress problems.
4. Finite Element Method for three-dimensional crack modeling.
5. Heat Transfer analyses of additive manufacturing processes.

KEY NOTE SPEAKERS

1. **Dr.R.Kumaravelan, M.E., Ph.D.,**
Prof/Mech, VCET
2. **Prof.P.Manickavasagam, M.E., (Ph.D.),**
Prof/Mech, NCT
3. **Dr.P.Sakthivel, M.E., Ph.D.,**
AsP/Mech, SEC

ADDRESS FOR CORRESPONDENCE

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email ID : mechhod@scteng.co.in

REGISTRATION FEE

The Registration fee must be paid as DD, drawn in favour of "The Institution of Engineers (India), Erode Local Centre" payable at Erode.

Professional bodies	Students	Faculty
IE(I) Members	Rs.150	Rs.200
Non IE(I) Members	Rs.200	Rs.250

IMPORTANT DATE:

Last Date for Registration: 15.03.2018