

## **PATRON**

Dr. A. V. Ram Prasad, Principal

## **CO-ORDINATOR**

Dr. P. Udhayakumar, Prof. & Head

## **CO – COORDINATORS**

Mrs. S. Porselvi, Assistant Professor

Mr. M. Mohanraj, Assistant Professor

## **COMMITTEE MEMBERS**

Dr. M. R. Thansekhar, Professor

Mrs. C. Anbu Meenakshi, Assistant Professor (S.G)

Mr. D. Muthukrishnan, Assistant Professor

Mr. K. J. Nagarajan, Assistant Professor

Mr. T. Samynathan, Assistant Professor

Mr. M. Satheeshkumar, Assistant Professor

Mr. R. Pandiyarajan, Assistant Professor

## **ADDRESS FOR CORRESPONDENCE**

Dr. P. Udhayakumar,

Prof. & Head

Department of Mechanical Engineering

K.L.N. COLLEGE OF ENGINEERING

Pottapalayam - 630 612

(11 km from Madurai City)

Sivagangai District.

E-Mail Id : [udhaya\\_kannan@yahoo.com](mailto:udhaya_kannan@yahoo.com)

Contact no: 9940965637

9585518002

9791668958

## **Intended Audience**

The participants shall be students (U.G & P.G) from Mechanical Engineering Department.

## **Course Objectives:**

To provide fundamental knowledge in finite element analysis (FEA)

To impart knowledge about various boundary conditions and meshing control in ANSYS.

To give practical exposure in various applications such as structural and heat transfer problems.

## **Training Highlights:**

Trained Resource persons from ANSYS.

Hands on training.

Course completion certificate for all the participants from ANSYS.

## **Learning Outcome:**

Participant will be able to perform static & thermal analysis which is helpful in designing of mechanical components / structure / machinery etc. They will also be able to analyze products for their performance by evaluating structural response of products.



## **Three Day Skill Enhancement Program on ANSYS FEA**

**9<sup>th</sup> to 11<sup>th</sup> March 2017**

**Department of Mechanical Engineering  
(Accredited by NBA, New Delhi)**



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

**Pottapalayam - 630 612**

**Sivagangai District**

**Co-ordinator**

**Dr. P. Udhaya kumar, HOD / Mech**

**Co – Coordinators**

**Mrs. S. Porselvi, Assistant Professor**

**Mr. M. Mohanraj, Assistant Professor**

## ABOUT THE COLLEGE

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 Tamil Nadu. This college is sponsored by the committee of eminent industrialists and academicians led by enthusiastic, educationalist and industrialist Amaran Thiru. K.L.N. Krishnan.

The courses offered in K.L.N.C.E are approved by All India Council for Technical Education, New Delhi. It is an ISO 9001:2015 certified Institution and affiliated to AU Chennai. K.L.N.C.E offers Seven Undergraduate Programmes, Seven Postgraduate Programmes and Doctoral Programmes in Engineering and Sciences.

## ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is having 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 Ph.D in Mechanical Engineering.

The Department has been accredited by National Board of Accreditation (NBA), New Delhi. The Department is recognized by Anna University as a Research Centre for offering Ph.D programme in Mechanical Engineering.

Three staff members of the Department are recognized as supervisors for guiding the scholars leading to Ph.D. / MS (By Research) programme

## ABOUT THE TRAINING PROGRAM

Finite Element Analysis is a powerful technique for numerical solution of complex engineering problems in structural mechanics. ANSYS is a finite element software package. This skill enhancement program aims to focus on the basic aspects of ANSYS software. To understand the latest design and development in the field of finite element structural analysis, the software knowledge will be of great help to enhance their skills in FEA. This course provides basic theoretical and practical knowledge to an engineer to competently perform finite element analysis for Structural and Thermal problems.

## TOPICS TO BE COVERED

### DAY 1

Mechanical Basics.  
General Preprocessing.  
Meshing in Mechanical.  
Modeling Connections.

### DAY 2

Remote Boundary Conditions.  
Static Structure analysis.  
Thermal analysis.

### DAY 3

Introduction to Heat Transfer.  
Heat Transfer Fundamentals.  
Preprocessing.  
Boundary Conditions.

## REGISTRATION FORM

Three Day Skill Enhancement Program On

**ANSYS - FEA**

9<sup>th</sup> to 11<sup>th</sup> March 2017



DEPARTMENT OF MECHANICAL ENGINEERING  
K.L.N. COLLEGE OF ENGINEERING,  
POTTAPALAYAM 630612.

1. Name :  
2. Roll No. :  
3. Year & Branch :  
4. Institution :  
5. Address for  
Communication :

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6. Email ID :  
7. Phone :

Date:

Signature of the Participant

