

AICTE Sponsored  
Two Days National Seminar on  
**“Vibration and Noise Engineering”**  
10<sup>th</sup> & 11<sup>th</sup> November 2017  
**Department of Mechanical Engineering**

I would like to participate in the seminar

Name :

Age & date of birth :

Gender :

Qualifications :

Experience :

Designation :

Department :

Address for

Communication :

Mobile No :

Email id :

Accommodation required : Yes / No

Is your Institute recognized by AICTE : Yes / No

#### **Declaration by the candidate**

I declare that the details furnished are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of the AICTE sponsored programme. If selected, I shall attend the course for the entire duration.

Place :

Date :

Signature

#### **Chief Patron**

**Dr. C. Ramaswamy**

Secretary, NIA Educational Institutions

#### **Chairman**

**Dr. A. Rathinavelu**

Principal, MCET

#### **Coordinators**

**Dr. I.Rajendran**

Professor & Head, Mechanical Engineering

**Dr. Rama. Thirumurugan**

Associate Professor, Mechanical Engineering

#### **Organizing Members**

Faculty of Mechanical Engineering Department

#### **Fees Details**

Faculty Members / Industry Delegates /

Research scholars : Rs. 500/-

P.G Students : Rs. 300/-

#### **How to Apply**

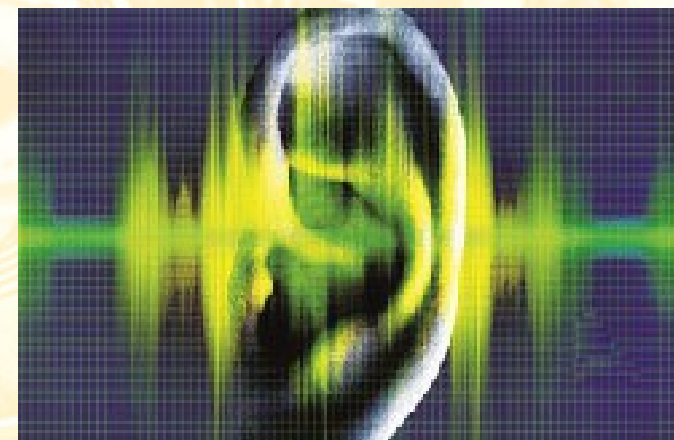
The applicants should send their application in the specified format along with DD (in favour of **“The Principal, Dr. Mahalingam College of Engineering and Technology, Pollachi”** payable at Pollachi) to reach us on or before 20.10.2017.

#### **Address for Communication**

The Coordinators  
Two Days National Seminar on  
Vibration and Noise Engineering  
Dept. of Mechanical Engineering  
Dr. Mahalingam College of Engineering and Technology  
Pollachi - 642 003, Tamil Nadu, INDIA  
Mobile: 99429 55530, 73733 65656  
E-mail : hod\_mech@drmcet.ac.in, rtm@drmcet.ac.in



**All India Council for Technical Education**  
**Sponsored Two Days National**  
**Seminar on**  
**“Vibration and Noise Engineering”**  
**10<sup>th</sup> & 11<sup>th</sup> November 2017**



*Organized by*

**Department of Mechanical Engineering**  
**Dr. MAHALINGAM COLLEGE OF**  
**ENGINEERING AND TECHNOLOGY**

(An Autonomous Institution)

(Accredited by NBA, NAAC with 'A' Grade Institution)

Pollachi - 642003, Coimbatore (Dt), Tamilnadu

Phone: +91-4259-236030/40/50

Fax: +91-4259-236070

Website: www.mcet.in





## About the College

Dr.Mahalingam College of Engineering and Technology (MCET) was established in the year 1998 with a mission to impart high quality competency based education in Engineering and Technology to the younger generation to equip them with the required skills and abilities to face the challenging needs of the industry around the globe. MCET is an Autonomous; Self-financing, Coeducational Engineering College and it is approved by the All India Council for Technical Education (AICTE), New Delhi and affiliated to Anna University, Chennai. The Institute has been accredited by the National Board of Accreditation (NBA) and NAAC with 'A' grade and is ISO 9001:2008 certified by TUV. The MCET currently offers 10 UG, 6 PG and 4 Doctoral programs in Engineering, Technology

## About the Department

The Department of Mechanical Engineering started in the year 1998 offers UG program (B.E. Mechanical Engineering), PG program (M.E. CAD/CAM). It has been recognized as research centre to have interaction with Anna University for collaborative research programme which leads to Ph.D. The department is functioning with well qualified & experienced faculty members equipped with well established laboratories. The department has been accredited by National Board of Accreditation (NBA). The department offers value added courses apart from the regular subjects which enable the students acquire marketable skills. The value added courses offered include; Hyper works, ANSYS, CATIA, Solidworks, AutoCAD, Edge CAM, Creo etc.

## Centers of Excellence

1. Centre for Design Analysis & Testing
2. TUV Rheinland Centre for Advanced Training in Welding and NDT
3. Bosch Rexroth Centre of Competence in Industrial Automation Technologies

4. Siemens Centre for Digital Manufacturing
5. Altair Centre of Excellence
6. TUV Rheinland Centre for Automotive Technology
7. BOSCH Diesel Joint Certification Centre

## About the Seminar

Sound and vibration are considered to be one of the most fundamental applied subjects in the engineering discipline. Occurrence of vibration and vibration induced noise are almost inevitable in our life. All mechanical systems/machines consist of structural components which have distributed mass and elasticity. Most of such system has reciprocating or rotating unbalanced parts which induce vibrations and noise. Hence, the study of vibration and noise and the interactions between the two is now an essential component in the design process of a machine component. Such vibration and noise may be undesirable in most applications as it tends to produce increased stresses, energy losses, wear, bearing loads, fatigue and may also create discomfort to people and environment. Significant amount of applied technology pertaining to vibration & noise control has emerged over the last three decades. Hence, understanding of fundamentals of vibrations and induced noise is very important for engineers to enable them to bring out durable quality products.

This two days seminar aims to provide the fundamental knowledge on vibration and noise engineering to the participants and the technological advancement in testing methods and the procedure to measure and control the vibration and noise. The topics covered in this seminar are aptly suited for faculty, practicing engineers and researchers.



## Seminar Contents

- ▶ Fundamentals of vibration
- ▶ Fundamentals of acoustics & noise
- ▶ Vibration measurement and its control
- ▶ Noise sources, measurement and control strategies for machines and automobiles.
- ▶ Machine Condition monitoring
- ▶ Research on new material development for noise control
- ▶ Vibration and acoustics analysis of machine elements using finite and boundary element methods

## Who can Attend

- ▶ Faculty members, Research scholars and P.G students from colleges and universities. Interested practicing engineers from industries and R&D organization may also apply

## Resource Persons

- ▶ Experts from industries and premier institutions will handle the sessions

## Important Dates

Last date for receipt of applications : 01-11-2017

Intimation of selection by email : 02-11-2017

Confirmation by participants : 03-11-2017

## Boarding and Lodging

Accommodation and boarding if required will be provided in the college campus on the chargeable basis.