

## ABOUT THE ORGANIZING DEPARTMENT:

### (86 years of Glorious service to the Nation)

The Department of Mechanical Engineering was established in the year 1939, since then it has grown significantly by offering U.G, P.G and Doctoral degree courses. It has celebrated Platinum Jubilee year in 2014. As a part of centenary celebration of the Osmania University during 2017-18, various workshops/seminars/ conferences were conducted. It is equipped with state of the art equipment, infrastructure and research facilities like CPDDAM, CET and CERAC. The Department receives research and modernization grants from UGC, MHRD, AICTE and DRDO. Till date 263 Ph.Ds were awarded by the Department. It also encourages students to participate in various competitions like SAE BAJA & GO-KART etc.

## UNIVERSITY COLLEGE OF ENGINEERING (AUTONOMOUS)

University College of Engineering (UCE) established in the year 1929 and has the distinction of being the oldest and the biggest among the Engineering Colleges in the country. The college was declared autonomous by the University in 1994 and by UGC in 2010. The University's accreditation by NAAC with A+ grade and college. The institution has received IOS 9001:2015, 14001:2015 and 5001:2018 certification in 2023. Over the years, the Engineering college has maintained a reputation of imparting excellence in Engineering education along with co curricular and extra curriculum activities. It is part of elite group of institutes selected for funding from World Bank under TEQIP schemes. College has established three centers of excellences namely. Centre Product Design, Development and Additive Manufacturing (CPDDAM), Cyber Security and Cyber Law.

## OSMANIA UNIVERSITY

Established in 1917, Osmania University is the 7<sup>th</sup> oldest University in the country. It is one of the premier institutions of higher learning epitomizing the national agenda for higher education. The University has been reaccredited with "A+" Grade by NAAC and is recognized by UGC, MHRD as a University with Potential for Excellence (UPE) in recognition of its overall performance and contributions to the advancements of technical knowledge. Also Osmania University has been selected for funding under RUSA 2.0 program of the MHRD, Government of India

## ABOUT THE SEMINAR

The **One-Day National Seminar on Vibration Analysis and Advanced Condition Monitoring Techniques** is conceived as a specialized academic and professional platform for academicians, researchers, and industry professionals to deepen their understanding of contemporary diagnostic and predictive maintenance technologies. The workshop will systematically address both fundamental and advanced concepts of vibration analysis, fault diagnosis in rotating machinery, signal processing methodologies, and condition monitoring techniques extensively applied in modern industrial systems. Significant emphasis will be placed on practical implementation, real-time data acquisition and interpretation, and the effective utilization of advanced analytical tools for early fault detection, performance assessment, and machinery health evaluation. Through expert-led technical sessions, case-based discussions, and structured interactions, participants will gain comprehensive insights into prevailing industrial practices, emerging research directions, and current technological challenges in the domain of condition monitoring. This initiative seeks to enhance technical proficiency, foster industry-relevant skill development, and strengthen collaborative engagement between academia and industry in the fields of maintenance, reliability, and asset management engineering.

## Organising Committee Members

Sr.Prof. P. Laxminarayana	Dr. M.V. Ramana Murthy
Sr.Prof. P. Usha Sri	Dr. E. Madhusudan Raju
Prof. Rega Rajendra	Dr. T.S.R.V. Padmalatha
Prof. K. Saraswathamma	Dr. K. Buschaiah
Prof. Narsimhulu Sanke	Dr. G. Venkateshwarlu
Prof. L. Siva Rama Krishna	Dr. K.L. Uday Kiran
Prof. G. Narender	Dr. K. Venkateswarlu
Prof. V. Uma Maheshwar	Dr. M. Prakash
Prof. T.Nagaveni	

## CHIEF PATRON

### Sr. Prof. Kumar Molugaram

Honourable Vice-Chancellor  
Osmania University, Hyd.

## PATRONS

### Prof. G. Naresh Reddy

Registrar, Osmania University, Hyd.

### Sr. Prof. A. Krishnaiah

Dean, Faculty of Engineering  
Osmania University, Hyd.

### Prof. P. Chandra Sekhar

Principal, University College of Engineering (A)  
Osmania University, Hyd.

## CHAIR PERSON

### Prof. B.Hadya

Head, Department of Mechanical Engineering  
University College of Engineering (A)  
Osmania University, Hyd.

## ORGANISING SECRETARY

### Prof. M. Chandra Sekhar Reddy

Dept. of Mechanical Engineering  
University College of Engineering (A)  
Osmania University, Hyd.

## CONVENOR

### Dr. U. Ashok Kumar

Asst. Professor (c)  
Dept. of Mechanical Engineering  
UCE (A), Osmania University, Hyd.

# One Day National Seminar on VIBRATION ANALYSIS AND ADVANCED CONDITION MONITORING TECHNIQUES

## APPLICATION FORM

1. Name: \_\_\_\_\_
2. Designation: \_\_\_\_\_
3. Department: \_\_\_\_\_
4. Institute: \_\_\_\_\_
5. Address for Correspondence: \_\_\_\_\_
6. Phone: \_\_\_\_\_
7. E-mail ID: \_\_\_\_\_
8. Participant Category:  
1] Academic Professional   
2] Industry Professional   
3] UG/PG/Ph.D. Student

Please permit me to Register for the One Day National Seminar on **"Vibration Analysis and Advanced Condition Monitoring Techniques"** to be held at MED, UCE (A), Osmania University

Place:

Date:

Signature of Applicant

Stamp

Signature of Head of Institute

### WHO SHOULD ATTEND?

- UG/PG/Ph.D. Students - Engg./ Design.
- Academic Professionals - Engg.]
- Industry Professionals

## Schedule

Prof. Ashok Kumar Pandey

Prof. IIT HYD

10:00 A.M to 11:30 A.M

Prof. M. Chandra Sekhar Reddy

MED, UCE (A), OU

11:30 A.M to 01:00 P.M

Dr. S.Y. Veerabadhra Reddy

Scientist-G, (RCI),

2:00 P.M to 03:30 P.M

Prof. Sabareesh Geetha Rajasekharan

MED BITS HYD

3:30 P.M to 05:00 P.M

Participation Fee-₹300

FOR PAYMENT USE QR CODE OR  
ACCOUNT DETAILS GIVEN BELOW

The Head, Dept. of Mech.Engg, UCE(A), OU

A/C No: 62102 171639

SBI, OU Branch,

IFSC: SBIN0020071



### Address for correspondence

#### Convenor:

Dr. U. Ashok Kumar, 9966036324

ashok.u@uceou.edu

Department of Mechanical Engineering,  
UCE (A), Osmania University  
Hyderabad, Telangana-500007



## One Day National Seminar on

# Vibration Analysis and Advanced Condition Monitoring Techniques

(Supported by RUSA 2.0, Osmania University)

**05th March, 2026**

**Venue:** Seminar Hall, MED, UCE, OU



Organized by  
**DEPARTMENT OF MECHANICAL  
ENGINEERING**

**University College of Engineering (Autonomous)**  
**Osmania University, Hyderabad, Telangana.**  
**(University with potential for Excellence &**  
**Reaccredited with "A+" Grade by NAAC)**