

ABOUT THE INSTITUTION

Established in 1981 by Vasavi Academy of Education under the stewardship of Late Sri Pendekanti Venkata Subbaiah, a veteran statesman of independent India and by a few eminent people from different walks of life, Vasavi College of Engineering represents a rich tradition of excellence in technology based education in a stimulating environment. The college is situated at Ibrahimbagh, Hyderabad, which is 9 KM from Mehdiapatnam, enroute to Gandipet.

In its three decades of existence, it has now grown with excellent and well-developed infrastructural facilities, offering 6 undergraduate programs, viz., B.E. in Civil, Mechanical, EEE, ECE, CSE and Information Technology, and also five Postgraduate Programmes in CSE, ECE, EEE and Mechanical Engineering. The institution is conferred autonomous status by UGC in the year 2014.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department is one of the oldest well performing Departments of Vasavi College of Engineering. It has excellent infrastructure facilities in the form of laboratories and equipment. The department has 27 experienced faculty members which includes 6 Professors and 6 Associate Professors. The Department also offers PG Programme with specialization in Advanced Design and Manufacturing. The department is a recognized research center under Osmania University.

VISION OF THE DEPARTMENT

To nurture and establish global leadership in the field of mechanical engineering and develop competent human resources with values and ethics.

MISSION OF THE DEPARTMENT

To nurture an environment of research, innovation and knowledge through the latest teaching-learning practices in mechanical engineering.

WHO CAN PARTICIPATE?

The course will be beneficial to:

- Faculty members from Mechanical, Automobile, Aerospace, Industrial engineering.
- Members from R & D
- PG students & research scholars pursuing Ph.D.

REGISTRATION: Free

Register with the following google form link:

<https://forms.gle/dMdckhtiRHW2nYBf6>

CONFIRMATION OF PARTICIPATION

On receipt of the registration form, participants will be sent confirmation of their participation through E-mail by 13th September 2020. The details regarding schedule and link for online platform will be shared only to registered participants through mail. The number of participants for this program is limited. E-Certificate will be provided to those who have attendance above 80%, filled the daily feedback form.

One Week Online Faculty Development Programme on Recent Trends in Turbo Machines

14 - 18, September 2020

Time : 4.00 PM to 6.00 PM



DEPARTMENT OF
MECHANICAL ENGINEERING
VASAVI COLLEGE OF ENGINEERING

(Autonomous)

Sponsored by Vasavi Academy of Education(VAE)
Affiliated to Osmania University and Approved by AICTE
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THEME

Turbomachine is a device, where mechanical energy, in the form of shaft work, is transferred either to or from a continuously flowing fluid by the dynamic action of rotating blades. Turbine is a rotary engine actuated by the reaction or impulse or both of a stream of fluid (such as water, steam or air) subjected to pressure and usually comprises a series of curved vanes on a central rotating shaft. These machines transfer energy between a rotor and the fluid. While a turbine transfers energy from a fluid to a rotor, a compressor transfers energy from a rotor to a fluid. These two types of machines are governed by the same basic relationships including the Newton's Second Law of Motion and Euler's Energy Equation for compressible fluids. Turbines and compressors usually work with a vapour or a gas as the working fluid. The current Faculty Development Programme serves as a major forum for the teaching faculty to enhance their knowledge in the area of turbo machines and aim at improving the quality of academic delivery and to respond to emerging technology and industry needs.

OBJECTIVES OF THE PROGRAM:

The objective of this programme is to

- ✓ Provide knowledge on the working principle, application and thermodynamic process involved in turbo machines.
- ✓ Identify the type of flow and analyse the energy transfer in turbo machine.
- ✓ Disseminate the information on modern trends in the design of turbo machines.

The outcome of the Programme is to share the knowledge of emerging trends in turbo machines for transfer of the same to the students and enhance their understanding level.

RESOURCE PERSONS

Dr. B.V.S.S.S. Prasad,
Professor, IIT Madras
Dr. P. M. V. Subbarao
Professor, IIT Delhi
Mr. Ramesh Kannan, G.M.
Turbo Energy Ltd, Chennai
Dr. G.V. Ramana Murty,
Rtd. G.M., BHEL R & D, Hyd.
Dr. K.V.B. Sharma,
Rtd. S.D.G.M., BHEL R & D, Hyd.

TOPICS

- Fluid flow and heat transfer in Turbomachinery.
- Development of advanced blades for steam turbines.
- Advances in Turbochargers.
- Trends in Design of Steam Turbine Stages.
- Dynamics of Turbomachines.

MAILING ADDRESS

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ORGANISING COMMITTEE

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Patron

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