

## RESOURCE PERSONS

The lectures in the Faculty Development Programme will be delivered by some of the eminent faculty members of Thermal Engineering having fairly established research experience from the premier educational institutions.

## ELIGIBILITY

The programme caters to the needs of the faculty members, together with the PG and Ph D Scholars, of the Departments of Mechanical Engineering and Chemical Engineering, in general, and those who wish to pursue their research in areas related to Thermal Engineering, in particular.

## REGISTRATION FEE

There is no participation fee for attending the programme.

## PARTICIPATION CERTIFICATE

The participants will be provided with the participation certificates provided he/she attends the programme in full and abides by the general stipulations of the programme.

## IMPORTANT DATES

- Last date for receiving the applications [on line]: 22<sup>nd</sup> July 2021.
- Last date for communication of acceptance: 25<sup>th</sup> July 2021.

## ORGANISING COMMITTEE

### CHIEF PATRONS

**Sri. P. Ram Mohan Rao**  
President, Vasavi Academy of Education

**Sri. M. Krishna Murthy**  
Secretary, Vasavi Academy of Education

### PATRON

**Sri. P. Balaji**  
CEO, Vasavi College of Engineering

### CHAIRMAN

**Dr. S.V. Ramana**  
Principal

### CO-CHAIRMAN

**Dr. T. Ramamohan Rao**  
Professor & HOD

### PROGRAMME COORDINATOR

**Dr. C. Gururaja Rao**  
Professor, Department of Mechanical Engineering

### CO-COORDINATORS

Mr. S.Venkateswarulu, Assistant Professor  
Mr. Md. Luqman, Assistant Professor

### Mailing Address

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Professor, Department of Mechanical Engineering  
Vasavi College of Engineering  
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## Online Faculty Development Programme on “Research Avenues in Thermal Engineering” [RATE - 2021]

26<sup>th</sup> July – 30<sup>th</sup> July 2021



**Coordinator**  
**Dr. C. Gururaja Rao**  
**Professor**

**Department of Mechanical Engineering**  
**VASAVI COLLEGE OF ENGINEERING**  
**(Autonomous)**  
**(Accredited by NAAC with 'A++' Grade)**  
**Sponsored by Vasavi Academy of Education**  
**Affiliated to Osmania University**  
**and**  
**Approved by AICTE**  
**9-5-81, Ibrahimbagh**  
**Hyderabad-500031(T.S), India**  
**[www.vce.ac.in](http://www.vce.ac.in)**

## OBJECTIVE

A new entrant into teaching profession in technical institutions, in general, has two objectives. The first, by default, is to strive hard to excel in teaching and thus earn a good name as a teacher. The second, but an equally important objective, is to pursue research in his area of interest and specialization. Successful research career usually commences with guiding the Undergraduate and Postgraduate students of his institution confidently and thus attempting to author research papers based on the findings of the works that one carries out in the above process. With this as the launching pad, the next crucial step would be pursuing Doctoral Work that tremendously augments one's curriculum vitae. At this point, it would be vital to freeze on the problem to be tackled as part of Ph D work. The present Faculty Development Programme is intended to throw some of the research avenues in Thermal Engineering open for the aspirants, enabling them to pick the ones that suit their aptitude. It is hoped that, by the end of this Programme, the participants will definitely be acquiring certain initial inputs in realizing their research goals.

## 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 more than three decades of existence, it has now grown with excellent and well-developed infrastructural facilities, offering six Undergraduate programmes, 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 and is accredited by NAAC with 'A++' grade.

## ABOUT THE DEPARTMENT

The Mechanical Engineering Department is one of the oldest departments of Vasavi College of Engineering and has NBA Accreditation. It has excellent infrastructure facilities and resources in the form of well-equipped laboratories and 26 experienced faculty members, which includes 6 Professors and 6 Associate Professors. The Department also offers PG Programme with specialization in Advanced Design and Manufacturing and 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.

### Course Contents of RATE 2021:

It is proposed to give decent initial inputs to the participants in different areas concerning thermal engineering paving way for their possible future research endeavors. The contents are broadly listed as under:

1. Heat Transfer
2. Thermodynamics
3. Computational Fluid Dynamics
4. Internal Combustion Engines
5. Renewable Energy Sources

**PLATFORM:** Microsoft Teams

## RESOURCE PERSONS

**Dr. P.M.V. Subbarao**  
Professor, MED  
IIT-Delhi  
New Delhi.

**Dr. Gautam Biswas**  
Professor, MED  
IIT-Kanpur  
Kanpur.

**Dr. K. Venkata Subbaiah**  
Associate Professor, MAED  
IIT-Hyderabad,  
Kandi, Sangareddy.

**Dr. A.V.S. S. Kumara Swami Gupta**  
Professor & HOD, MED  
JNTUCEH,  
Hyderabad.

**Dr. T.N.C. Anand**  
Associate Professor, MED  
IIT-Madras  
Chennai.

### How to apply

Participants are required to fill the online registration form by clicking on the following link.

<https://forms.gle/CGG41Cr9qddu1gBP8>