

One-Week (Online) Faculty Development Programme [FDP]
on
Research Avenues in Thermal Engineering [RATE-2021]
conducted by
Department of Mechanical Engineering
Vasavi College of Engineering (Autonomous), Hyderabad
(Accredited by NAAC with 'A++' Grade)

The Department of Mechanical Engineering conducted a Faculty Development Programme [FDP] on **Research Avenues in Thermal Engineering [RATE-2021]** with **Dr. C. Gururaja Rao** as **Coordinator** and **Mr. S. Venkateswarulu** and **Mr. Md. Lughman** as **Co-coordinators** during **26th July – 30th July, 2021**.

The programme acquired a national status with a total of 216 participants spread over ten different states [Andhra Pradesh, Telangana, Kerala, Maharashtra, Tamil Nadu, Madhya Pradesh, West Bengal, Jammu, Uttar Pradesh and Karnataka] of the country registering themselves for the FDP. Out of these, 115 participants attended all the sessions of the programme positively.

Five renowned personalities in the field of Thermal Engineering were invited to deliver expert lectures during the five days of the programme. They were (i) Dr. P. M. V. Subbarao, Professor, IIT Delhi, (ii) Dr. Gautam Biswas, Professor, IIT Kanpur, (iii) Dr. K. Venkata Subbaiah, Associate Professor, IIT Hyderabad, (iv) Dr. T. Srinivas, Associate Professor, NIT Jalandhar and (v) Dr. S. Varun Kumar, Associate Professor, IIT Madras.

A perfect philosophical integration of poetry, mythology and engineering vis-a-vis Biogas Digestors under the umbrella of Renewable Sources of Energy was provided by the first speaker, Dr. P. M. V. Subbarao. The second speaker, Professor Gautam Biswas, dwelled into Engineering Research in Biological Sciences elucidating the flow of cancer cells through constricted passages. On the third day, Dr. K. Venkata Subbaiah gave an exhaustive narration of CFD as a tool in tackling Heat Transfer problems. The speaker of the fourth day, Dr. T. Srinivas, came out with a detailed picture on Polygeneration under the broad head of Applied Thermodynamics. Mathematical modelling of Spray and Droplet Dynamics was the topic of the fifth day lecture clinically handled by Dr. S. Varun Kumar.

On the concluding day, a test was conducted covering all the lectures of the programme. The Certificates of Participation were issued to those participants, who had a regular attendance and successfully completed the test.

The feedback on the FDP has been very positive with almost all the participants expressing their immense satisfaction at the way the things transpired during the programme. They were all confidently stating that the programme has, undoubtedly, paved way for their individual research endeavours in the coming days. They were suggesting that a series of FDPs of this kind, with at least one per annum, could be organized under the umbrella of RATE in future as well.

In conclusion, the **TEAM - RATE 2021** expresses its indebtedness to the Principal and the Management of Vasavi College of Engineering, Hyderabad, for supporting this attempt by the Department of Mechanical Engineering and making it a grand success.