

**One Week National Online Faculty Development Programme (FDP)**

on

**Recent Advancement in Thermal Engineering & Fluid Science**

(21<sup>st</sup> -26<sup>th</sup> June, 2021)

Organized by

Department of Mechanical Engineering, GMR Institute of Technology, GMR Nagar, Rajam-532 127

**ABOUT COLLEGE**

GMRIT Established in 1997, GMR Institute of Technology has come a long way since its inception and has carved a niche for itself in the corporate world. It is currently placed among the top 75 and aims to be counted among the top 20 Technical Institutions in the Country by 2018-19. Located about 100 km from Vishakhapatnam, GMRIT is a beautiful campus spread over 155 acres in Rajam. As the flagship Institute of GMR Varalakshmi Foundation, GMRIT has set high standards for itself and offers an idyllic and conducive environment for higher studies. It is affiliated to Jawaharlal Nehru Technological University, Kakinada. The institute became Autonomous in 2012-13

**ABOUT THE DEPARTMENT**

GMRIT's Mechanical Engineering Department was formed in 1999 and covers the technical attributes of ME, its multiple applications and the appropriate management of ME resources. Courses especially focus on the application of ME in various information and administrative systems. The annual intake of this Department is 120 students.

**ABOUT THE PROGRAMME**

The main objective of this one week faculty development programme is to acquaint the participants with the recent technological advancements occurring in areas of thermodynamic fundamentals, heat exchanger, cryogenics and its application. The FDP mainly addresses applications of thermal and fluid science Applications. FDP will be helpful for the faculties and researchers working in the areas of Thermal Engineering.

**RESOURCE PERSONS**



**Prof. R. K. Sahoo**  
Professor, Dept. of Mechanical Engineering, NIT, Rourkela



**Dr. Sudev Das**  
Assistant Professor, Dept. of Chemical Engineering, NIT Calicut.



**Dr. Sukumar Pati**  
Assistant Professor, Department of Mechanical Engineering, NIT Silchar



**Dr. Nishant Tiwari**  
Assistant Professor, Mechanical Engineering, VIT University Vellore



**Dr. Gautam Choubey**  
Assistant Professor, Mechanical Engineering, IITRAM.



**Dr. Bhawani Patnaik**  
Principal and Professor, Mechanical Engineering, KMBB, Bhubaneswar

**ORGANIZING COMMITTEE**

**CHIEF PATRONS**

**Dr. Girish J**, Director Education  
**Dr. C.L.V.R.S.V. Prasad**, Principal

**CONVENER**

**Dr. V. Rambabu**, Professor & Head,  
Department of Mechanical Engineering

**COORDINATORS**

**Dr. Pankaj Kumar**  
Assistant Professor,  
Department of Mechanical Engineering

**Dr. Sanjay Kr. Gupta**,  
Assistant Professor,  
Department of Mechanical Engineering

**Dr. Ambarish Maji**,  
Assistant Professor,  
Department of Mechanical Engineering

**Mr. N. Govind Rao**,  
Assistant Professor,  
Department of Mechanical Engineering

**WHO CAN PARTICIPATE?**

Faculty members and Research scholars of Mechanical Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Chemical Engineering, Power Engineering, Information Technology and Civil Engineering.

**REGISTRATION**

**Registration Link:**

[https://docs.google.com/forms/d/e/1FAIpQLSfTVOUeCATPmsbLcO9uYsWpzoOeCIs8TPirMBW16iE7x18gLv/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfTVOUeCATPmsbLcO9uYsWpzoOeCIs8TPirMBW16iE7x18gLv/viewform?usp=sf_link)

**Registration Fee:** NIL

**ONLINE PLATFORM:** Microsoft Team

**E-certificate** will be issued to all the successful participants

**CONTACT**

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Department of Information Technology, GMR Institute of Technology

## “Recent Advancement in Thermal Engineering & Fluid Science”

One Week Online NATIONAL Faculty Development Programme Schedule

[3-6 PM of 21<sup>st</sup> – 26<sup>th</sup> June, 2021 via Microsoft Team]

DATE	TOPIC (S)	RESOURCE PERSON (S)
<b>Day-1</b> (21 June. 2021) MONDAY	“Current Status of Phase Change Heat Transfer Using Low-Cost Deposition Method”	<b>Dr. Sudev Das</b> Assistant Professor, Dept. of Chemical Engineering, NIT Calicut, Kerala - 673601
<b>Day-2</b> (22 June. 2021) TUESDAY	“Effect of reaction pathway and operating parameters on the deoxygenation of vegetable oils to produce diesel range hydrocarbon fuels”	<b>Dr. Bhawani Patnaik</b> Principal and Professor, Mechanical Engineering, KMBB, Bhubaneshwar, Odisha – 751003
<b>Day-3</b> (23 June. 2021) WEDNESDAY	“Thermal Analysis of Energy vs Exergy”	<b>Prof. R. K. Sahoo</b> Professor, NIT Rourkela, Odisha-769001
<b>Day-4</b> (24 June. 2021) THURSDAY	“Micro scale Transport Phenomena”	<b>Dr. Sukumar Pati</b> Assistant Professor, Department of Mechanical Engineering, NIT Silchar, Assam - 788010
<b>Day-5</b> (25 June. 2021) FRIDAY	“Conjugate Heat Transfer in single phase and two phase flow boiling in mini/micro channels”	<b>Dr. Nishant Tiwari</b> Associate Professor, Department of Thermal and Energy Engineering, VIT University, Vellore - 632014
<b>Day-6</b> (26 June. 2021) SATURDAY	“Recent Advances in Scramjet Fuel Injection Techniques”	<b>Dr. Gautam Choubey</b> Assistant Professor, Mechanical Engineering, IITRAM, Gujarat - 380026

**Instructions to participants:**

1. Participants should login at least 15 minutes before the Microsoft Team.
2. The feedback form will be posted in the chat window of Microsoft Team at the end of each session.
3. E - Certificates will be provided for those who submit all the feedback forms on time.
4. On the 6th day of FDP you will get the certificate download link after submitting the feedback & Quiz.
5. Any questions to the speaker, please post it in the chat box and the same will be addressed at the end of the session.

**Best Regards**

Dr. Pankaj Kumar

Convener-FDP Program

Assistant Professor, of ME

GMR Institute of Technology, Rajam,

Andhra Pradesh-532127

India