

## ABOUT THE INSTITUTION

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana. MREC (A) is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy, currently Hon'ble Minister, Labor and Employment, Factories, Women and Child Welfare and Skill Development, Govt. of Telangana State. The college is situated in a serene, lush green environment in Maisammaguda, Medchal, Malkajgiri District, Telangana – 500100, India.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. The college caters to wide ranging aspirations and goals of student communities by offering new courses in UG- Cyber Security, Artificial Intelligence and Machine Learning, Data Science and IOT along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories all departments and is skillfully and elegantly guided by Dr. A. Ramaswamy Reddy, Director, MREC(A) & Dr. A. Raveendra, Principal, MREC(A) who have a rich teaching and industrial experience.

## ADVISORY COMMITTEE

### Chief Patron:

- ❖ **Sri. Ch. Malla Reddy**  
Hon'ble Minister Labour & Employment, Factories, Women & Child welfare and Skill Development, Telangana State.  
**Founder Chairman, MRGI.**

### Patrons:

- ❖ **Sri. Ch. Mahender Reddy**, Secretary, CMR Educational Society.
- ❖ **Dr. Ch. Bhadra Reddy**, President, CMR Educational Society.
- ❖ **Mr. P. Praveen Reddy**, Director, MRGI.

### Co-Patrons:

- ❖ **Dr. A. Ramaswamy Reddy**, Professor & Director, MREC (A).
- ❖ **Dr. A. Raveendra**, Professor & Principal, MREC (A).

### Convenors:

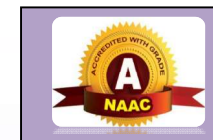
- ❖ **Dr. N. Rishi Kanth**, Professor and HOD-ME., Dean Centre of Excellence.
- ❖ **Dr. S. Uday Baskar**, Professor- ME., Dean Academics.

### Coordinators:

- ❖ **Dr. M. Vijay Kumar**, Associate Professor, ME.  
**Email ID.:** vijaykumar.084@mrec.ac.in  
**Cell No.:** + 91- 9701339886
- ❖ **Dr. Manish Sharma**, Associate Professor, ME.  
**Email ID.:** manish.mvsme@mrec.ac.in  
**Cell No.:** + 91-6386613473

### Organizing Committee:

- ❖ **Dr. Halesh Koti**, Professor, ME.
- ❖ **Dr. Yogesh Madaria**, Assoc. Professor, ME.
- ❖ **Dr. Shaik Hussain**, Assoc. Professor, ME.
- ❖ **Dr. I. Satish**, Assoc. Professor, ME.
- ❖ **Dr. U. Hussain Qadiri**, Assoc. Professor, ME.



## One Week Online Faculty Development Programme (FDP)

on

### "Recent Innovative Developments in Thermal Engineering"

(28<sup>th</sup> June – 03<sup>rd</sup> July, 2021)

Time: (02:00 – 03:30) PM



Organized by

**Department of Mechanical Engineering**  
**MALLA REDDY ENGINEERING COLLEGE**  
**(AUTONOMOUS)**  
**MAIN CAMPUS**

**An UGC Autonomous Institution, Approved**  
**by AICTE & Affiliated to JNTUH,**  
**Hyderabad**

**Accredited by NAAC with 'A' grade (II-Cycle)**  
**Accredited by NBA**

Maisammaguda, Dhulapally (Post via  
Kompally), Secunderabad - 500100,  
Telangana, India.

Ph. No.: 040-64634231

[www.mrec.ac.in](http://www.mrec.ac.in)

## ABOUT THE DEPARTMENT

The Department of Mechanical Engineering has been established since the inception of the institution in the year 2002. The Department has good infrastructure facilities and is equipped with full-fledged laboratories to fulfill the curriculum needs. The Department has well experienced faculty. Around one-third of the faculty members in the department are Doctorate. The department has good number of sanctioned projects, funded by different agencies/industries. The Department is intended to be allotted a Research Centre by JNTU Hyderabad.

## COURSE OBJECTIVE

The aim of this program is to provide participants with a broad exposure to the application of latest innovative developments in thermal engineering. The main focus of the FDP is to improve participants' teaching and research skills, allowing them to accelerate over time.

## COURSE OUTCOMES

Upon completion of this course, the participants would be better equipped to play the role of mentor and guide in the area of thermal Engineering to the students in their academic pursuits.

## MAJOR AREAS OF FDP TOPICS

- Solar Thermal Applications
- Applications of Mass Transport in Engineering Materials
- Automation in Thermal Engineering
- Recent Developments in Solar Thermal Applications
- Development of Secular I.C. Engines for Next Generation Hybrid Vehicles
- Design & Development of CFD model for Twin-Screw

## RESOURCE PERSONS

The course will be conducted by the eminent experts from reputed institutions.

- ❖ **Prof. P.M.V.S. Subbarao**  
Professor, IIT Delhi.
- ❖ **Dr. T. V. Arjunan**  
Professor and Head, Guru Ghasidas Vishwavidyalaya (Central University), Chhattisgarh.
- ❖ **Dr. Rahul Dev**  
Assistant Professor, MNNIT, Allahabad.
- ❖ **Dr. Tikendra Nath Verma**  
Assistant Professor, MANIT, Bhopal.
- ❖ **Dr. G. Mohan Murali Krishna**  
Post Doctoral Fellow, University of Munster, Germany.
- ❖ **Dr. Shashi Kant Verma**  
Post Doctoral Fellow, Institute for Plasma Research, Ahmedabad.

## WHO CAN PARTICIPATE:

- Faculty Members
- Industry Professionals
- Research Scholars
- PG Students

The selection is made based on the first come - first served basis.

## REGISTRATION FEE:

\* No Registration Fee \*

## MAXIMUM NO. OF PARTICIPANTS:

500 No's

## MODE OF THE PLATFORM:

Virtual Sessions through ZOOM App

## REGISTRATION LINK:

<https://tinyurl.com/9hp9s24a>

**Note:** After the registration, the link has provided for joining in WhatsApp Group.

## REQUIREMENTS OF E-Certificate:

- ❖ The attendance with minimum **80% is mandatory.**
- ❖ There will be an online test on the last day of the FDP, where participants must score **minimum 60%.**

**We look forward for your participation**  
**Stay Home, Stay Safe & Stay**  
**Physically Fit**