

ABOUT INSTITUTION

Established in the year 1997 under the aegis of GMR Varalakshmi Foundation, GMR Institute of Technology is a self-financing Autonomous Engineering College approved by the All India Council for Technical Education (AICTE) and affiliated to Jawaharlal Nehru Technological University, Kakinada and accredited by NBA-AICTE.

Located in Rajam, Srikakulam district of Andhra Pradesh, GMRIT provides its learning community state-of-the-art facilities, infrastructure and competent faculty. The Institute encourages collaborative learning between industry and academia as a means of reinforcing its curriculum with practical and real-world experiences.

DEPT OF CHEMICAL ENGINEERING

The department is accredited by NBA of AICTE, New Delhi for 6 years in Tier-1 category. The department has the state of art infrastructure with well-equipped labs, computer center supported by experienced and qualified faculty members. The students of this department have their own stand in the performance by bagging Gold Medals at State level and competing in the global market.

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. C.L.V.R.S.V. Prasad, Principal

PATRON

Dr. J. Murugadoss, Vice Principal

CO-PATRON

Dr. S. N. Dash, HoD, Chemical Engg.

CONVENER

Dr. M. Krishna Prasad
Professor, Dept. of Chemical Engineering

CO-CONVENER

Dr. H. Joga Rao
Associate Professor, Dept. of Chemical Engg.

CO-ORDINATORS

Dr. G. Kalyani, Asst. Professor
Dr. M. Gangadhar, Asst. Professor
Dr. P. Satya Sagar, Asst. Professor
Dr. Deepshikha Datta, Asst. Professor
Mr. Shaik Shadulla, Asst. Professor

ADDRESS FOR CORROSPONDENCE

Dr. M. Krishna Prasad
Convener
Department of Chemical Engineering
GMR Institute of Technology
Rajam-532127
Ph. No: 7032284996
E-mail: krishnaprasad.m@gmrit.edu.in

Five Day Online Faculty Development Program

On

“Advanced Materials and Surface Properties”

(26th – 30th October 2020)



Organized by

Department of Chemical Engineering

GMR Institute of Technology

Rajam-532127

Srikakulam (Dist.)

Andhra Pradesh, India

Visit us at www.gmrit.org

RESOURCE PERSONS

Resource persons from drawn from premier institutions and research organizations.

IMPORTANT DATES

Last Date of Registration: 24-10-2020

Intimation of Selected Participants:
25-10-2020

REGISTRATION LINK

<https://forms.gle/Sj2MbF9ekKSixzA68>

Scan QR Code for Registration



Follow this link to join my WhatsApp group:

<https://chat.whatsapp.com/LxBOlrrDh5M57veVHuLMYj>

CERTIFICATE



E-certificate will be issued for active participants only, at the end of event.

Ceramic coatings are widely used for a range of industrial applications as thermal barriers and/or abrasion, erosion or corrosion resistant coatings. The aerospace industry is a large consumer of thermal barrier coatings as well as of abrasion and erosion resistant coatings. The present faculty development is focused on the study of the surface integrity states and the tribological behavior of advanced materials

OBJECTIVES

- ✓ Synthesis processes of advanced materials
- ✓ Properties of various advanced materials
- ✓ Surface engineering aspects and procedures
- ✓ Solutions to the high end technologies
- ✓ Futuristic approach on advance materials development and surface treatments



WHO CAN ATTENDED?

Academicians from Engineering Colleges/ Universities/ Research Organizations/ Industrialists are eligible to attend the event.

REGISTRATION FEE

There is no registration fee for the participants.

EVENT PLATFORM



<https://bit.ly/351zZrt>

* Same Link will be used for participating the event.

ABOUT PROGRAM

Advanced materials means materials with engineered properties created through the development of specialized processing and synthesis technology, including ceramics, high value-added metals, electronic materials, composites, polymers, and biomaterials. The development of these advanced materials for the high end application is an emerging area, where the surface treatment with advanced materials stands at first kind to solve the strategic and industrial need in space, aero-space and marine sectors

Nowadays it has been realized that the surface is the most important part of any engineering component. It is from surface-initiated effects that most components fail. Technological advance is often constrained by surface demands. In a substantial number of applications, mechanical components operate under severe conditions; therefore, a type of surface modification is necessary to enhance functional integrity and/or avoid possible failure or degradation. The term 'surface engineering' encompasses all those techniques and processes which are used to modify and enhance the performance of an engineering surface.