

**One Week Online  
Faculty Development Program (FDP)**

on

**Functional Materials: Processing and Applications  
(FMPA-2020)**

03-08 August 2020

Organized by

**Department of Metallurgical and Materials Engineering**

**MAHATMA GANDHI INSTITUTE OF TECHNOLOGY**

Hyderabad-500075

In Association with

**Indian Institute of Metals (Hyderabad Chapter)**

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## MGIT

Mahatma Gandhi Institute of Technology, affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad, was established by Chaitanya Bharathi Educational Society in 1997 with an objective of imparting value-based education in an invigorating ambience at Gandipet, Hyderabad. MGIT has been accredited by National Board of Accreditation (NBA), New Delhi 3 times (2009, 2014, and 2018) and by NAAC with A Grade.

## About the Department

The Department of Metallurgical and Materials Engineering (MME) was incepted along with other Engineering disciplines with the noble thought of spreading the importance of core engineering disciplines. The faculty members of the department are well qualified, highly experienced and are in consultation with renowned agencies in pursuing innovative research projects. The department enthusiastically motivates its undergraduate students to upgrade their technical, communicative and organizational abilities to transform them to be employment ready.

## About the FDP

Materials construct the world. There has been enormous advancement in the field of materials engineering in the recent past. The state of the art technologies that the world is witnessing should be credited to the invention and evolution of the materials. Functional materials represent a fast growing set of advanced materials that are found in all classes of materials- ceramics, metals, polymers and organic molecules. These are defined as those materials that perform specific functions other than possessing a load bearing capacity. Examples of these materials include high temperature materials, automotive steels, semiconductors, magnetic materials, piezoelectric, biomedical materials etc. The current FDP widely covers various materials that are designated for applying in specific applications viz., nuclear, electronic, magnetic, automotive, aerospace and defence. All the speakers of this FDP have done pioneering contributions to these fields. The program is aimed at bringing the researchers, faculty from academia, and industry professionals under one roof and paving a platform for knowledge transfer.

## Technical Program

Lecture No.	Content of Talk	Speaker and affiliation	Date and time
1	Nuclear materials	<b>Dr. K Bhanu Sankara Rao</b> Pratt and Whitney Chair Professor University of Hyderabad, Hyderabad	03 August, 2020 10 AM-11:30 AM
2	Automotive materials	<b>Dr. Jai Prakash Gautam</b> Professor, SEST University of Hyderabad, Hyderabad	04 August, 2020 10AM-11:30 AM
3	Aerospace materials	<b>Dr. K K Mehta</b> Associate Professor NIT Rourkela	05 August, 2020 10AM-11:30 AM
4	Electronic and magnetic materials	<b>Dr. A Srinivas</b> Scientist F DMRL, Hyderabad	06 August, 2020 10AM-11:30 AM
5	Materials for biomedical applications	<b>Dr. R A Rahman Rashid</b> Research Engineer Swinburne University of Technology Australia	07 August, 2020 10AM-11:30 AM
6	Materials for Defence applications	<b>Col. Aswin Kumar,</b> Head, Armouring Unit, MIDHANI Hyderabad	08 August, 2020 10AM-11:30 AM

**Faculty, Researchers, and Industry Professionals can participate**

Registration Link: <https://forms.gle/zbTGJ38BAexcGKie8>

**No Registration Fee**

Last Date for Registration: **01.08.2020**

**\*Participation is limited to the first 250 registrations only\***

**E-Certificate will be provided to the shortlisted participants who attend all sessions and submit the feedback forms.**

All queries can be posted to [fmpa20@gmail.com](mailto:fmpa20@gmail.com)