



**MAHATMA GANDHI
INSTITUTE OF TECHNOLOGY (A)**
Kokapet(Village), Gandipet, Hyderabad, Telangana - 500075. www.mgit.ac.in



MOTIVATE
INNOVATE
EMPOWER

25
YEARS



IIM
Metallurgy
Materials Engineering

Two Day National Seminar

on

Advanced Materials and Processes (AMP-2023)

April 17-18, 2023

Organized by

**Department of Metallurgical and Materials Engineering
MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (A)
Hyderabad-500075**

in association with

**Indian Institute of Metals
Hyderabad Chapter**

Patrons

Sri. D. Praveen Reddy, Chairman, CBES
Sri. J. Pratap Reddy, Secretary, CBES

Chairmen

Dr. G. Chandra Mohan Reddy, Principal, MGIT
Dr. K. Sudhakar Reddy, Vice Principal, MGIT

Conveners

Dr. K. Ramanjaneyulu, Associate Professor and HoD, MME, MGIT
Dr. M. P. Phaniraj, Asso. Professor, and Director (RDC), MGIT

Organizing Committee

Dr. RVSM Ramakrishna, Assistant Professor, MME, MGIT
Dr. J. Jhansi, Assistant Professor, MME, MGIT
Dr. M. Vijayalakshmi, Assistant Professor, MME, MGIT
Dr. PVS. Lakshminarayana, Assistant Professor, MME, MGIT
Mr. Bhomik K Deogade, Assistant Professor, MME, MGIT
Dr. S. Santhi, Assistant Professor, MME, MGIT
Mr. A. Dinesh, Assistant Professor, MME, MGIT

MGIT

Mahatma Gandhi Institute of Technology (Autonomous), 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 4 times (2009, 2014, 2018, and 2022) 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 Seminar

Advanced Materials and Processes (AMP-2023), a Two-Day National Seminar being organized by the Department of Metallurgical and Materials Engineering, MGIT, Hyderabad covers a broad spectrum of materials and metallurgical research including functional materials, ceramic matrix composites, light alloys, additive manufacturing, welding and coatings. The seminar will show case the advances in research on materials and their manufacture from automotive to aerospace applications.

Registration Link: <https://forms.gle/KXbrGkwQ7GwVmZSMA>

All queries can be posted to mme@mgit.ac.in or hodmme@mgit.ac.in

The Engineers serving the Industries of eminence, Scientists from Research and Development Laboratories, Faculty members of Educational Institutes, Research associates and students pursuing their study in Metallurgical Engineering, Materials Sciences, Production Engineering, Mechanical Engineering etc. will get benefited on attending this seminar.

SCHEDULE OF TALKS

Name and Designation of the Resource Person	Affiliation	Topic of Talk
Dr. R. Balamuralikrishnan,	Outstanding Scientist and Director, DMRL Hyderabad	Inaugural Address
Dr. Manivel Raja Scientist G	DMRL, Hyderabad	Functional Materials
Dr. Manish Patel Scientist F	DMRL, Hyderabad	Ceramic Matrix Composites
Dr. Chandan Mandal Scientist F	DMRL, Hyderabad	Aerospace Materials
Dr. L. Ramakrishna Scientist G	ARCI, Hyderabad	<i>"Heterogeneous microstructures and their applications"</i>
Dr. K. Rajesh Professor	Department of MSME, IIT Hyderabad	<i>"Development of High Entropy Alloy for High Temperature Applications"</i>
Dr S. Chatterjee Professor	Department of MSME, IIT Hyderabad	<i>"Welding response of precipitation strengthened Co and Ni base superalloys"</i>
Dr. G.D. Janaki Ram Professor	Department of MSME, IIT Hyderabad	Ultrasonic Additive Manufacturing