



# RAMT-2019

National Conference on

## “RECENT ADVANCES IN MANUFACTURING TECHNOLOGIES”

At

**Shri Dhurjoti Banerjee Central Auditorium**

On

Friday, 5<sup>th</sup> April, 2019 & Saturday, 6<sup>th</sup> April, 2019  
From 9.30 A.M to 5:30 P.M

Organized By:

**Department of Mechanical Engineering  
Gargi Memorial Institute of Technology**

Baruipur, Mouza Beralia, Balarampur, Kolkata - 700144



In Association With:

**The Indian Institute of Welding**



Conference Proceedings Publication Partner:

**International Journal of Engineering  
Research & Technology**



# GARGI MEMORIAL INSTITUTE OF TECHNOLOGY

Gargi Memorial Institute of Technology (GMIT), an engineering institute in West Bengal was started in 2011 by Mallabhum Human Resource Development Trust (MHRDT) in memory of Lt. Gargi Mukherjee (Banerjee). Barely in its 5th year, GMIT has been ranked 8th amongst all emerging engineering colleges in India because of its educational excellence and professional infrastructural facilities.

At GMIT, we always believed that an educational institution is only as good as its faculty. GMIT currently offers courses in five disciplines namely Civil Engineering (CE), Computer Science and Engineering (CSE), Electrical Engineering (EE), Mechanical Engineering (ME) and Electronics and Communication Engineering (ECE). GMIT is approved by All India Council of Technical Education (AICTE) and affiliated to Moulana Abul Kala, Azad University of Technology (MAKAUT), previously known as West Bengal University of Technology (WBUT).

The physical design of the campus consisting of landscape, gardens and horizontal architecture blends organically into its surroundings. GMIT has already roped in international collaboration to facilitate in-class real time learning using advanced technology along with exposure to global trends in industries. The Institute is located on the southern fringe of Kolkata, at Baruipur, an upcoming satellite town and caters to students from reputed schools of India.

## THEME OF THE CONFERENCE

RAMT 2019 is organized to create a platform for researchers, engineers, scientist and academicians to exchange the latest information about recent advances in the field of Mechanical Engineering. The theme of the conference is "Advanced Manufacturing Technologies for a Sustainable Economic Growth". The following topics will be discussed in the conference:

- High Speed Machining Technology
- Non-conventional Machining Technology
- Advances in Casting Technology
- Manufacturing Technologies for Composite Materials
- Modeling, Simulation and Virtual Prototyping
- Micro-Nano Manufacturing
- Precision Machining
- Computer Aided Manufacturing
- Quality Engineering
- Additive Manufacturing (AM)
- Advances in Welding Technology
- RP Integrated Manufacturing

## CALL FOR PAPERS

All authors are requested to send full length paper covering conference topics including technical papers relating to the theme: "**Advanced Manufacturing Technologies for a Sustainable Economic Growth**" with maximum length of full A4 size as per the **standard IEEE format** not exceeding more than **8 pages**. Paper should start with an abstract of about 150 words with index/keywords. Soft copy of the paper must be mailed electronically to ***meconf.gmit@gmail.com*** At least one of the authors should register for the inclusion of the papers in the proceedings of the conference.

## WHO SHOULD ATTEND

- Decision makers from Industries,
- Practicing Professionals,
- Engineers,
- Technologists,
- Academicians,
- Research Scholars & Students involved in activities related to welding and associated areas.

# Gargi Memorial Institute of Technology, Baruipur, Kolkata

## National Conference on Recent Advances In Manufacturing Technologies (RAMT 2019)

Organized By – Deptt. of Mechanical Engineering,  
G.M.I.T

### CHIEF PATRON

**Prof. G.L. Datta**

Chairman, G.M.I.T,  
Ex. Chancellor, KL University, Ex. Prof, IIT KGP

**Mr. Bodhisattva Banerjee**

Vice-Chairman, G.M.I.T

### PATRON

**Dr. Pradip Kumar Talapatra**

Principal & Organizing Secretary

**Dr. Syed Samser Ali**

Vice-Principal, G.M.I.T

### CO-CONVENORS

**Mr. Bhaskar Biswas**

Asst. Prof., (Dept. of Mech. Engg.), G.M.I.T

**Mr. Soumyodeep Mukherjee**

Asst. Prof., (Dept. of Mech. Engg.), G.M.I.T

### ADVISORY COMMITTEE

**Dr. P. K. Ray** (Prof. IEM Dept., IIT KGP)

**Dr. S. S. Mahapatra** (Prof., M. E., NIT Rourkela)

**Dr. S. K. Patel** (Prof., M. E. Dept., NIT Rourkela)

**Dr. Jagadeesh Anne** (Prof., M. E., KL University)

**Dr. Dipankar Bose** (Prof., M. E., NITTTR Kolkata)

**Dr. Gautam Majumdar** (Prof. & H.O.D, M. E., Jadavpur University)

**Dr. Santanu Das** (Prof.&HOD, M.E, Kalyani Govt. Engg. College)

**Dr. C Murali Krishna** (Prof., M. E., MANIT Bhopal)

**Dr. M. K. Pradhan** (Prof., M. E., MANIT Bhopal)

**Dr. Amar Pattanaik** (Asso. Prof., M.E., N.I.T Jaipur)

**Mr. Pabitra Kumar Das** (Chairman, SDC, IIW-India)

### STEERING COMMITTEE

Mr. Sanjeeb Kumar Chakraborty

Mr. Hiranmoy Samanta

Mr. Chinmoy Chatterjee

Mrs. Poulami Banerjee

Mr. Joydip Paul

Mr. Somnath Mitra

Mr. Pratik Kr. Haldar



## INVITATION LETTER

Subject — Announcement and Call for Papers on National Conference on "Recent Advances in Manufacturing Technologies (RAMT 2019)".

Dear Sir/Madam,

It is a great pleasure to inform you that the Department of Mechanical Engineering is organizing a two day National Conference on "Recent Advances in Manufacturing Technologies" RAMT 2019 from 5th to 6th April 2019. The theme of the conference is "Advanced Manufacturing Technologies for Sustainable Economic Growth" The objective of this conference is to bring together engineers, academicians, scientist and industrialist working in the area of advanced manufacturing technologies for greater interaction in the field of manufacturing and research. The conference will consist of invited lectures from eminent people and contributed papers from active researchers working in the field of manufacturing technologies.

You are invited for your participation along with the delegates with a request to contribute technical papers, which will be published in proceedings of the conference. We also request you to give a wide publicity of this conference among your colleagues, friends, students and faculty members for greater participation in the conference.

Kindly refer to the enclosed brochure and paper format for the details of the conference.

Hope to see you at RAMT 2019.

Thanking you,

Your Sincerely,

With Warm Regards

**Dr. Pradip Kumar Talapatra**

[ Principal & Organizing Secretary,  
RAMT 2019]

## REGISTRATION FEES DETAILS

Student (UG / PG/)	➤ INR 200.00
Research Scholars	➤ INR 300.00
Faculty / Academicians	➤ INR 500.00
Industry / R&D Personnel	➤ INR 1000.00

## CONFERENCE PROCEEDINGS

All accepted and registered paper will be included in the Conference Proceedings and some of the selected papers will be published in International Journals repute with high impact factor.

## ADVERTISEMENT TARIFF

<u>CATEGORY</u>		<u>RATE</u>
➤ 2 Pages Centre Spread (Colour)	:	INR 15000.00
➤ Front Inside Cover (Colour)	:	INR 7000.00
➤ Back Cover (Colour)	:	INR 8000.00
➤ Back Inside Cover (Colour)	:	INR 7000.00
➤ Full Page (Colour)	:	INR 5000.00
➤ Full Page Black and White :	:	INR 4000.00
➤ Half Page Black and White :	:	INR 2000.00
➤ Standee :	:	INR 3000.00

## SPONSORSHIP

<u>CATEGORY</u>	<u>TOTAL PAYABLE</u>	<u>SPONSORSHIP PACKAGE</u>
Platinum	: INR 50,000.00	4 Delegates, 3 Standees & 1 Full Colour page advt.
Gold	: INR 40000.00	3 Delegates, 2 Standees & 1 Full Colour page advt.
Silver	: INR 30000.00	2 Delegates, 1 Standee & 1 Full Colour page advt.
Delegate Kit	: INR 25000.00	1 Delegate, 1 Standee & 1 Full Colour page advt.
Lunch	: INR 25000.00	1 Delegate, 1 Standee & 1 Full Colour page advt.

## PAYMENT DETAILS

The Cheque / Demand Draft drawn in favor of '**Gargi Memorial Institute of Technology**' payable at **Kolkata** may be sent to The Organizing Secretary, RAMT 2019, G.M.I.T, Kolkata.

In case of Online Transfer, please refer the details here below:

Beneficiary: **Gargi Memorial Institute of Technology**, Bank Name & Branch: **United Bank of India, Dhakuria Branch**, A/c No.: **0089050015242** / IFSC: **UTBI0DHK138**

*Contact for Communication:*

**Dr. P. K. Talapatra**  
[Organizing Secretary]

Contact: 9437142549,

Email: [pktpatra@rediffmail.com](mailto:pktpatra@rediffmail.com)

**Mr. Bhaskar Biswas**

[Co-Convenor]

Contact: 8959942032,

Email: [bhaskarbiswas9@gmail.com](mailto:bhaskarbiswas9@gmail.com)

**Mr. Soumyodeep Mukherjee**

[Co-Convenor]

Contact: 8981207099,

Email: [soumyodeep1312@gmail.com](mailto:soumyodeep1312@gmail.com)



**DEPARTMENT OF MECHANICAL  
ENGINEERING  
GARGI MEMORIAL INSTITUTE OF TECHNOLOGY**

**DELEGATE REGISTRATION FORM**

Name of the Author(s) \_\_\_\_\_

Title of the Paper \_\_\_\_\_

Designation \_\_\_\_\_

Institution \_\_\_\_\_

Address for Correspondence \_\_\_\_\_

Phone / Fax \_\_\_\_\_

E-Mail \_\_\_\_\_

I would like to participate as (Kindly Tick) :

- Author  Academic Staff / R&D personnel / Industry  
 Students (UG & PG)  Research Scholar (JRFs/ SRFs)

Payment Detail:

DD / Cheque No/ Transaction No (for Online Transfer): \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/2019 Drawn on Bank: \_\_\_\_\_

Branch: \_\_\_\_\_ Amount \_\_\_\_\_

**- Sponsorship Certificate-**

Mr./Ms. \_\_\_\_\_ is sponsored to attend National Conference on "Recent Advances in Manufacturing Technologies" to be held on 5th & 6th April 2019.

*(Please photocopy the form if required)*

Seal & Sign of  
Head of the Dept/Institute



# RAMT 2019

GARGI MEMORIAL INSTITUTE OF TECHNOLOGY

## ADVERTISEMENT BOOKING FORM

To  
The Organizing Secretary  
RAMT 2019  
Gargi Memorial Institute of Technology  
Baruipur, Mouza Beralia, Balarampur,  
Kolkata – 700144

Dear Sir,

Please book the following advertisement space/s in the Conference Proceedings of the RAMT 2019 to be held at Gargi Memorial Institute of Technology, Baruipur, Kolkata, on 5<sup>th</sup> & 6<sup>th</sup> April, 2019.

Name of the Organization	
Address	
Contact person (with designation)	
Cell / Tel / Fax No.	
Email	
Type of Advertisement	
Matter (Provide additional paper, if required)	
No.	Name of the Nominated Person
1.	
2.	
3.	
<b>Payment Detail:</b>	
DD / Cheque No/ Transaction No (for Online Transfer): _____	
Date: ____/____/2019 Drawn on Bank: _____	
Branch: _____ Amount _____	

The DD / Cheque should be drawn in the favor of '**Gargi Memorial Institute of Technology**' payable at **Kolkata**, may be sent to The Organizing Secretary, RAMT 2019, G.M.I.T, Kolkata.

In case of Online Transfer, please refer the details here below:

Beneficiary: **Gargi Memorial Institute of Technology**, Bank Name & Branch: **United Bank of India, Dhakuria Branch**, A/c No.: **0089050015242** / IFSC: **UTBI0DHK138**

Thanking you,

\_\_\_\_\_  
**Signature (with Seal)**