

# Organizing Committee

## Course co-ordinator

### Dr. Nilrudra Mandal

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For further information about Skill Development  
Programme at CSIR-CMERI, Durgapur, contact  
to:

### Dr. Anjali Chatterjee

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**Both the organizers/trainers and the participants shall have to follow the standard protocols to prevent the spread of COVID 19 during the training. Before entry on each day, all of them has to pass thermal screening, nobody shall be allowed inside with fever or any visible symptom of COVID 19.**



# Programme Fees

- Training Fee:
  - Student: Rs. 1,500/-
  - Faculty/Scientist: Rs. 3,000/-[Inclusive of Registration kit, Course materials, Certificate, Session tea and Working lunch. **Participants need to pay half of the fee for registration within 22/01/2021, the rest shall be taken via DD on 1/2/2021 at the registration desk. Registration fee once received is non-refundable.**]

- Participants have to make their own arrangements for accommodation.

- Training charges may be paid in the form of Demand Draft in favour of Director, CMERI payable at Durgapur. For NEFT, Account No. : 30280331299; Name of Bank: State Bank of India; Branch: Durgapur Branch, DSP Main Gate; IFSC Code: SBIN0000074; Address: Durgapur-713203.

# Application Form

Skill Development Programme on

## Advanced Materials Characterization and Micro-manufacturing (AMCM-2021)

February 1 – 5, 2021

1. Name:	PHOTO		
2. Address:			
3. Email:                      Mob:			
4. DOB:                              5. Nationality:			
6. ID Proof (Aadhaar/Authentic ID):			
7. Record of Academic Qualification (Last 3 only):			
Degree	College/Univ.	Subject	Year
8. Research/Industry Experience:			
9. Any other (Employment history/Training):			
<b>DECLARATION</b>			
I declare that the above information furnished by me is true to the best of my knowledge and belief. If selected, I hereby agree to abide by the Rules and Regulations of the course framed by CSIR-CMERI, Durgapur			
Date:	Candidate's signature		



## Advanced Materials Characterization and Micro-manufacturing (AMCM-2021)

February 1 – 5, 2021

### About the Programme

The training programme will be focused on advanced characterization of materials including XRD and AFM. Skill on the above said areas will benefit young researchers in R&D activities. Science/ Engineering students (UG/PG/Ph.D.) willing to work in R&D sectors or intending to pursue higher studies shall also find the course useful.

### Venue:

CSIR – Central Mechanical Engineering Research Institute (CMERI),  
M. G. Avenue, Durgapur 713209.

### Highlights of the Programme:

- A. Phase Identification study using XRD
- B. Mechanical Characterization using UTM and MICRO HARDNESS TESTER (Tensile, Compression, 3/4 Point Bending, Hardness, Fracture Toughness)
- C. Surface Characterization using AFM
- D. Molecular Spectroscopy using UV-VIS-NIR and FTIR
- E. Thermal Behavior study using TG/DTA
- F. Tribological Characterization using TRIBOMETER
- G. Micro Manufacturing and Machinability Evaluation of Materials using MICRO-FAB and LATHE

Necessary theoretical background shall be discussed prior to practical demonstration/training.

CSIR-CMERI is near to City Centre Bus Stand in Durgapur. The nearest railway station is Durgapur (8.8 km away) and the nearest Airport is Kazi Nazrul Islam Airport (16.8 km away).