



Unveiling Excellence

# USTM

*Information Brochure*

## TRAINING PROGRAM ADVANCED RESEARCH CENTER CENTRAL INSTRUMENTATION FACILITY

- *Informative*
- *Comprehensive*
- *Advanced*
- *Hands On Training*
- *Method Development*
- *Application*

**UNIVERSITY OF SCIENCE & TECHNOLOGY MEGHALAYA**

Accredited 'A' Grade by NAAC

**nirf** India Ranking-2022 (151-200)

Fe

**arc.ustm.ac.in**



Training is useful  
for Jobs in  
Corporate Sector



Job Opportunities:  
Pharmaceutical, Food,  
Chemical, Biotech  
Industry of the country



For science  
students only

**Aim :** The Central Instrumentation Facility (CIF) of USTM, aim to share knowledge with professionals, upcoming students and future scientist, to assist practical experience and theoretical background by offering various training programme which the industry demands and bring value addition to the candidate's potential.

Our training module assures hands on theoretical, practical and conceptual basics on the instruments for thorough understanding of analytical instruments and methods.

**PROVIDE**

At the end of the program participants would have strong understanding of following areas

- Theory & Methods
- Operating the instrument
- Trouble –shooting of the instrument
- Method development and validation
- Validation of the instrument

**BEST FOR**

All the candidates from Science field (B.Sc, M.sc, B. Pharm, M.Pharm, B.Tech, M.Tech, Ph.D., industrial/ laboratory employee etc) eligible for the training programme

Training will be conducted on the following instruments



Atomic Absorption Spectrophotometer  
Spectrometer (AAS)



Gas Chromatography and Mass (GCMS)



High Performance Liquid Chromatography  
Analyzer (HPLC)



Thermo Gravimetric-Differential Thermal  
(TG-DTA)

Training will be conducted on the following instruments



Fourier Transform Infrared Spectrophotometer (FTIR)



Real- Time PCR

### COURSE FEES

Course	Instruments Covered	Fees (Rs.)	Duration
I	GCMS + HPLC	1500	10 days
II	AAS	700	5 days
III	FTIR +TG-DTA	1000	7 days
IV	RT-PCR	700	5 days

### REGISTRATION

Participants are requested to apply for the training program by sending an email to [ustm.arc@gmail.com](mailto:ustm.arc@gmail.com) along with the registration form given at the end of the brochure.

### OUTCOMES

#### Academic advantage

The upgradation of knowledge and hands-on expertise of students, researchers, and faculty members on variety of characterization techniques to gain deeper understanding of laboratory techniques, develop data analysis and interpretation skills, and gain the ability to apply their theoretical knowledge to practice

#### Commercial benefit

The insight of advanced analytical techniques will contribute towards understanding of scientific and industrial processes needed commercially to bring innovations among different fields catering to applied science, engineering, and industrial sectors.

Overall, the Training Program will benefit the graduate and post graduate students along with researchers and faculty members of research institutes, universities, and industry.

### For Further Information

**Ms. Sabrin Sultana**

Scientific Officer

Contact No - 8402927411

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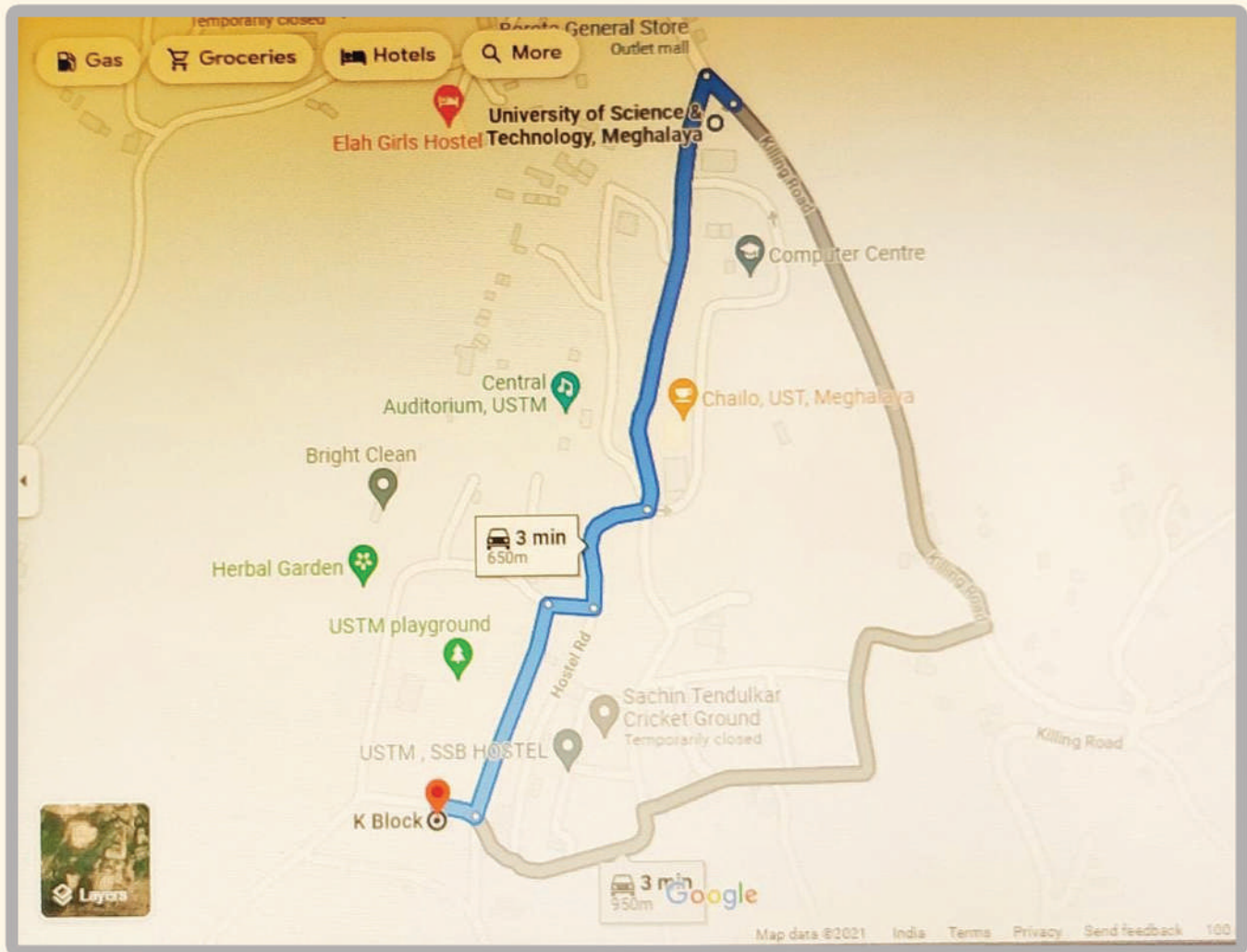
**Mr. Tanay Deb Barman**

Scientific Officer

Contact No -8768801185

Email ID – [tdbachiever@gmail.com](mailto:tdbachiever@gmail.com)

# Locate Advanced Research Centre, USTM



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**Advanced Research Centre**  
**Central Instrumentation Facility**  
**UNIVERSITY OF SCIENCE & TECHNOLOGY MEGHALAYA**  
*nirf* India Ranking-2022 (151-200) Accredited 'A' Grade by NAAC

SL No: \_\_\_\_\_

**REGISTRATION FORM**  
**(ARC-CIF Hands on Training Program)**

Photograph

Course Applied for: .....

- 1) Name of the Candidate:.....
- 2) Father's/ Mother's Name:.....
- 3) Date of Birth: .....Sex: Male/Female.....
- 4) Permanent Address:.....
- 5) Address for Communication:.....
- 6) Mobile No.....E- mail:.....
- 8) Category : General/ SC/ST/OBC/Minority/Others.....

**Educational Qualification**

Name of Exam	Board / University	Year of Passing	% of Marks	Subjects
HSLC				
H.S.				
Degree				
Post Graduate				
Others				

- 9) Computer Skill:.....
- 10) Specialization in Post Graduation:.....
11. Designation : Student/Faculty
12. Statement of Purpose (If brief):

Date:  
Place:

Signature of Applicant

**For office use only**

Name : .....

Selected/Rejected : .....

Any other Instruction : .....

Registrar, USTM

ARC, Block-K, Techno City, Khanapara, Kling Road, Baridua, 9th Mile  
 Ri-Bhoi, Meghalaya, Ph. 0361-2895030/098540-23060  
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