



## Short Term Training Program

on

## Advanced Material Characterization & Data Analysis 26<sup>th</sup> -28<sup>th</sup> March 2018



### Venue

National Institute of Technology Meghalaya,  
Bijni Comlex, Laitumukhrah , Shillong -793003

### Course Coordinator

Prof. Ayon Bhattacharjee & Dr. Tribedi Bora  
Department of Physics

National Institute of Technology Meghalaya

e-mail : [ayonbh@nitm.ac.in](mailto:ayonbh@nitm.ac.in); [t.bora@nitm.ac.in](mailto:t.bora@nitm.ac.in)

Contact : +91-9485177033; +91-9485177061

### Organizing Committee

Dr. K Senthil Kumar (HOD, Physics, NITM)

Dr. W. L. Reenbohn (Physics, NITM)

Dr. Vivek Kumar (Physics, NITM)

Dr. Arpita Nath ( Physics, NITM)

### Invited Speakers

Professor Seenipandian Ravi

(Indian Institute of Technology Guwahati)

Professor Anurup Gohain Barua

(Gauhati University)

Professor Perumal Alagarsamy

(Indian Institute of Technology Guwahati)

### Registration Charges\*

MSc Students : Rs 200/-

PhD Students : Rs 500/-

Young Faculties : Rs 700/-

\* To be paid by cash on registration desk  
on 26<sup>th</sup> March 2018, 9:00 .am.

The three days workshop seeks to attract postgraduate students, dynamic researchers and young faculties to gain an insight onto the basic characterization techniques with emphasis in data analysis. This workshop will envision the participants with the various advanced investigative probes for material characterization and the underlying concepts for the data analysis.

### Topics to be Covered

- Structural Characterization
- Magnetic Characterization
- Surface Morphological Analysis
- Electrical Probes & Detectors
- Optical Spectroscopy

### Awards for Participants

The participants will gain hands on experience on the various material characterizing instruments during the lab visits in this short term course at NIT Meghalaya. Based on which the participants shall present posters. The two best posters will receive cash awards of Rs 2000/- & Rs 1000/- along with certificates .

\* Poster material will be provided by the host institute.

### How to reach NIT Meghalaya:

To reach Shillong by Air one has to take a flight to Gopinath Bordoloi Airport, Guwahati, Assam. Afterwards, one can reach Shillong in three hours by hiring Taxi (Rs. 2000/- per car, approx.)/Shared Taxi (Rs. 500/- per Passenger, approx. By rail, the nearest railway station is Guwahati. Thereafter, one can travel by bus or shared taxi (Rs. 150/- to Rs. 300/- per passenger) to Shillong. Afterwards, one can hire local taxi to reach the campus at Bijni Complex, Laitumkrah.

### Accommodation

Accommodation will not be provided to participants. Participants are requested to manage their own stay places .