

## About the Institute

National Institute of Technology Mizoram was established in the year 2010 in the state of Mizoram with an objective to impart education, research & training leading to B. Tech, M. Tech & Ph.D. degrees. The institute has been declared as an Institute of National Importance by an Act of Parliament. The Institute has six departments viz. Depts. of Computer Science. & Engineering, Civil Engineering, Electronics & Comm. Engineering, Electrical & Electronics Engineering, Mechanical Engineering and Basic Sciences & HSS. NIT Mizoram strongly urge to promote Science & Technology through the research activities. The Institute is pursuing to enhance its research and development activities and the faculties and research scholars are the key workforce in achieving excellence in that direction. Faculty members are advised to involve in State-of-the-Art Research & Development in various fields of Science and Technology.



## How to Register

**Website link for registration is:**

<https://atalacademy.aicte-india.org/login>

- **Once registered click on general details and fill up your details.**
- **Registration: Free of cost.**
- **The FDP will be conducted online.**
- **No. of participants is limited to 200. (first come-first served basis)**



## Department of BS & HSS (Physics) NIT Mizoram

### Organizing

## AICTE sponsored One Week Faculty Development Program on Novel Materials October 04-08, 2021

### Importance of FDP

This FDP on Novel Materials and Nano-composite will cover the basic and advanced concepts related to novel materials and nano-composites. It starts with deeper discussion on multiferroic materials with special emphasis on electronic and smart materials. The course is also replete with various fabrication technologies which are to be discussed by eminent resource persons. Special emphasis has also been laid on processing of Advanced Nano-Composites. Novel materials have one or more properties that can be significantly changed in a controlled environment such as temperature, electric, magnetic fields etc. The lectures of the experts will cover the aspects of both Novel materials and Nano-composites.

### Resource Persons

- Faculty members from NIT Mizoram, IITs/NITs/CFTIs/Central Universities.

## PATRON

**Prof. Saibal Chatterjee**  
Director (TC), NIT Mizoram

### Targeted Participants

- Faculty members and scholars from all CFTIs, Universities, AICTE approved institutions.

### Course Outline

Broad topics of the course but not limited to, are

- Materials: An overview
- Advanced Materials, Electronic Materials, Smart Materials, Processing of Novel Materials
- Synthesis and characterization of Multiferroic Materials, Nano-composites and applications
- **Certificates will be provided subject to attending all the sessions and clearing MCQ based test.**

### Course Coordinator

**Dr. Alok Shukla**  
Associate Professor (Physics)  
NIT Mizoram, Aizawl-796012  
Email: [alok.physics@nitmz.ac.in](mailto:alok.physics@nitmz.ac.in)  
[aloks.nitmz@gmail.com](mailto:aloks.nitmz@gmail.com)

### Organizing Committee

**Dr. Ajmal Koya P**, NIT Mizoram  
**Dr. K. Gyanendra Singh**, NIT Mizoram  
**Dr. Shuchi Kaparwan**, NIT Mizoram  
**Dr. Vinay Singh** NIT Mizoram  
**Dr. Surender Ontela**, NIT Mizoram