



## GMR Institute of Technology, Rajam, Andhra Pradesh

(UGC-Autonomous Institution, Affiliated to  
JNTU Kakinada, Accredited by NBA and NAAC  
with A-Grade )

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## National Institute of Technology, Mizoram

(An Institution of National Importance under  
Ministry of Education (Shiksha Mantralaya),  
Govt. of India)

Department of Basic Sciences  
Joint Collaborative  
One Week Online Faculty  
Development Program  
On

Role of Basic Sciences in  
Emerging Technologies  
(RBSET-2022)

9<sup>th</sup> – 14<sup>th</sup> March 2022

*“Basic sciences and emerging technologies respond to the needs of humankind by providing access to information and increasing the health and well-being of individuals, communities, and societies.”*

We note that trust in science may have declined. Loss of trust in science will lead to reduced support by society and jeopardizes the transformative impact of science. While applied research is important to bring innovations to market, basic research expands the knowledge base needed for breakthrough scientific progress. A striking example is COVID has shown what the science community can do when it comes together and focuses on a mission. We need a mission-led approach to science and to accelerate progress on many aspects of the sustainability and technologies. The UN General Assembly has emphasized that the world needs more basic sciences to align with the 2030 Agenda and achieve its 17 Sustainable Development Goals and in this context, it has proclaimed 2022 to be the Year of Basic Sciences for Sustainable Development.

In this context, we need to attempt to identify emerging insights from basic science, and – where appropriate – connect new insights with visions for problem-solving strategies and for development of technologies.

*“Loss of trust in the science of today, There is no tomorrow for Technology”*

### About GMRIT

Established in 1997, GMR Institute of Technology has come a long way since its inception and has carved a niche for itself in the corporate world. It is currently placed among the top 50 colleges in the country and among the top 5 colleges in the state of Andhra Pradesh. It offers Nine under Graduate and Six Post Graduate programs. All B.Tech programs are accredited by NBA under Tier-1 complying with Washington Accord and the college is accredited as an 'A' grade institution by NAAC for the three consecutive cycles. In the ranking done by NIRF-MHRD, GMRIT was put in the rank band 201-250 at the country level for the years 2020 and 2021. Further, GMRIT was declared as the 1st best Clean & Smart campus by AICTE.

### About NIT Mizoram

The Ministry of Education (Shiksha Mantralaya), Govt. of India vide its order No. F. 23-13-2009-TS-III Dated 30th of Oct. 2009 and 3rd March 2010, had decided to set up ten new NITs. In view of the above NIT Mizoram was started in the year 2010 in the state of Mizoram with an objective to impart education, research & training leading to B.Tech, M.Tech & PhD. degrees. This institute has been declared as an Institute of National Importance by an Act of Parliament. Here the students are admitted through All India Entrance Exam- Joint Entrance Exam (JEE Main). NIT Mizoram is an Institute situated in the scenic beauty of Mizoram, wrapped between clouds and mountain rocks, which adds to its beauty.

### Who can attend

Faculty/ Industry Persons/ Research Scholars/ PG Students

### Registration

Registration fee: 200 INR

Last Date Of Registration: 08/03/2022

Registration: **First Come First Serve**

Registration link: <https://tinyurl.com/RBSET-2022>

### Payment


A/C Name: P. Murali Mohan Kumar

Union Bank of India, A/C No: 183610100074747

IFSC Code: UBIN0818364

PhonePe/GPay: 8008292082

### Platform

Microsoft teams 

The link will be shared after confirmation through mail

### Certificate of Participation

The certificate will be issued for the participants who attain 80% of attendance.

### CONTACT

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Date

Session-I (10:00-11:30 AM)

Session-II ( 2:30-4:00PM)

ORGANIZING COMMITTEE

09.03.22

**Dr. Alok Shukla**Asso. Professor in Physics  
NIT Mizoram**Dr. A. S. V. Ravi Kanth**Asso. Professor in  
Mathematics  
NIT Kurukshetra, Haryana

CHIEF PATRONS

Dr. J. Girish

Director Education

GMRVF

Prof. Saibal Chatterjee

Director, NIT Mizoram

10.03.22

**Dr. Ashuwin Vaidya**Professor in Mathematics  
Montclair State University  
New Jersey, USA**Dr. Thallada Bhaskar**Senior Principal Scientist &  
HoD, Professor of AcSIR  
CSIR-Indian Institute of  
Petroleum , Dehradun

PATRONS

Dr. C. L.V. R. S.V Prasad

Principal, GMRIT

Dr. Alok Shukla

Research Dean, NIT Mizoram

11.03.22

**Dr. P. Pramod Chakravarthy**Professor in Mathematics  
VNIT Nagpur,  
Maharashtra**Dr. Maddaka, Reddeppa**University of Michigan  
USA

Dr. R.L. Naidu

HoD, Dept. of BS&amp;H

GMRIT

Dr. S. Kaparwan

HOD- NIT Mizoram

12.03.22

**Dr P. S. Venkata Narayana**Professor in Physics  
GMRIT, Rajam, AP**Dr. Chetti Prabhakar**Asst. Professor in Chemistry  
NIT Kurukshetra, Haryana

CONVENORS

Dr. S.V.N. Pammi, GMRIT

Dr. O. Surender, NIT Mizoram

13.03.22

**Dr. Atul C. Chaskar**Asso. Professor National  
Centre for Nanosciences and  
Nanotechnology,  
University of Mumbai**Dr. Satya Kamal Chirauri**Master Data Analyst  
Material Engineering,  
Global Supply Chain Group,  
Micron Technology, Inc. India

Dr. P. Murali Mohan Kumar, GMRIT

FACULTY COORDINATORS

14.03.22

**Dr. Y. V. Pavan Kumar**Associate Professor  
School of Electronics Engineering  
VIT-AP University**Title of the talk :** Effective  
Academic Writing Skills  
(Thesis, Publications,  
and Project proposals)**Dr. Y. V. Pavan Kumar****Title of the talk :** Intellectual  
Property Rights (IPRs)  
And Filing ProcessDr. K. Koteswararao,  
GMRITDr. Rajendra Kumar Dash,  
GMRITDr. D. Srinivasa Kumar,  
GMRITDr. K. Gyanendra Singh,  
NIT MizoramDr. Ajmal Koya Pulikkal  
NIT MizoramDr. Vinay Singh,  
NIT Mizoram