

Experimental Physics plays an important role in physics teaching and learning process that can observe the physical phenomena experimentally. Whatever topics being taught in the class theoretically can be understood easily if the students have hands-on experience in experiments. In these 2-days webinar, the different experimental techniques, Physics related to Optics, condensed matter and Electronics shall be discussed.

### COURSE CONTENTS

- Basic concept of optics and different phenomena
- Laser and applications
- Laser in advanced materials
- Nanomaterials
- Electronics experiments in Physics

### Resource Persons:

- Dr. Ayon Bhattacharjee, Professor, NIT Meghalaya
- Dr. Ashwini Kumar Sharma, Associate Professor, IIT Guwahati
- Dr. Pabitra Nath, Professor, Tezpur University
- Dr. L. Herojit Singh, NIT Manipur
- Dr. Th.Gomti Devi, NERIST
- Dr. Kamal Saharia, NERIST
- Dr. Kunal Borah, NERIST

### ELIGIBILITY

The course is open to PG students and faculties of technical and nontechnical Colleges and Universities. No course fee shall be charged from participants.

### IMPORTANT DATES

The last date for the receipt of applications:

25<sup>th</sup> September 2020

Intimation of selection by email:

28<sup>th</sup> September 2020

### Registration link:

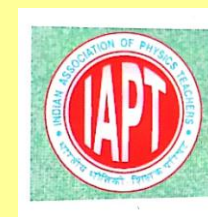
[https://docs.google.com/forms/d/e/1FAIpQLSdL ocxvs7G50Ue7at9cRHallxOzap1eF\\_H8CyZwvi TSkTAc3w/viewform](https://docs.google.com/forms/d/e/1FAIpQLSdL ocxvs7G50Ue7at9cRHallxOzap1eF_H8CyZwvi TSkTAc3w/viewform)

- Registration is mandatory and free.
- Seminar link will be sent via email to registered participants
- Maximum limit of participants for the seminar is 60.
- E-certificate of the participation will be issued to the participants after the completion of the seminar.

## VIRTUAL SEMINAR ON EXPERIMENTAL PHYSICS in collaboration with Indian Association of Physics Teachers (IAPT), RC-17

3-4<sup>th</sup> October, 2020

**Coordinator:**  
Dr. Th.Gomti Devi



**Department of Physics**  
**North-Eastern Regional Institute of**  
**Science & Technology**  
**(Deemed to be University)**  
**Nirjuli-791109, Itanagar**  
**Arunachal Pradesh**

## PROGRAMME COMMITTEE

**Patron:** Prof. H.S Yadav,  
Director NERIST

**Convener:**

Prof.Tado Karlo, HOD, Physics

**Coordinator:**

Dr. Th.Gomti Devi

**Members:**

Dr. Mukhesh Upadhayay

Dr. R.K.Yadav

Dr. Kamal Saharia

Dr. Akbari Jahan

Dr. Kunal Borah

**Participants can register directly by clicking on the registration link given in this Brochure. Participants can also directly fill up the Application form and send to the Coordinator via email, if there is a problem in the registration link.**

**Dr.Th.Gomti Devi**

**Programme Coordinator**

**Department of Physics, NERIST,**

**Nirjuli-791 109, Itanagar, Arunachal Pradesh**

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**Email: [tgdevi26@gmail.com](mailto:tgdevi26@gmail.com)**

## About NERIST

The North-Eastern Regional Institute of Science & Technology(NERIST) is a unique Institute of its own kind in the country, having unconventional and innovative academic programmes. It is an autonomous Institute under MOE, Govt.of India. It was established in 1984 to produce technical manpower at various levels and to meet the technical requirements for all round development of the North-Eastern States. NERIST got the status of deemed to be university on 31<sup>st</sup> May 2005 under section 3 of the UGC Act 1956. It offers modular pattern of education in all the disciplines of Engineering along with Forestry as an applied Science discipline. It also offers various Postgraduate Courses viz, M.Sc., M.Tech., M.B.A and Doctoral Programmes in all branches of Engineering, Applied Science, Physics, Chemistry, Mathematics, Management and Humanities.

## About the Department

The Department was established along with the Institution in the year 1986. The Department of Physics offers eight core courses for the undergraduate students at different levels (Base, Diploma, and Degree modules) of Engineering and Applied Science Streams. Apart from this, the department has been offering M.Sc. course for the Postgraduate students since 2009. The Department of Physics is a DST-FIST sponsored department having sophisticated high-end research instruments such as, X-ray diffractometer, Laser Raman Spectrometer, broad frequency Impedance Analyzer and Differential Scanning Calorimeter in FIST lab. The faculty members are actively involved in research activities and have been publishing research papers in both national and international journals.

**Virtual Seminar on  
Experimental Physics  
in collaboration with IAPT, RC-17  
3 -4<sup>th</sup> October 2020**

## Application Form

**1. First Name (Block letter):**

**2. Last Name:**

**3. Date of Birth:**

**4. Gender:**

**5. Qualification:**

**6. Designation:**

**7. Organization:**

**8. Email ID:**

**9. Mobile No:**

**10. Address for communication:**

Date:  
Place:

Signature of the Applicant