

## HOW TO REACH NERIE

NERIE, Umiam can be reached easily by road from Guwahati. It is around 84 kms from Guwahati Railway Station. It is situated adjacent to the North East Space Application Centre (NESAC), Barapani, Meghalaya. From the National Highway No. 40 (GS Road), take the road opposite to Orchid Lake Resort and follow the road. It is at a distance of 2.2 kms from the main road.



## OUTCOME OF THE CONFERENCE

The three day Conference will provide the sharing platform for the participants to deliberate on the Mathematics Education scenario. The proceedings of the Conference will be published and shared with the stakeholders for improvement of the mathematics education.

## IMPORTANT DATES

Last date for submission of Abstract along with full paper	30 <sup>th</sup> September, 2023
Acceptance notification	01 <sup>st</sup> November, 2023

## ONLINE REGISTRATION

Please fill up the online registration form in the link provided below or scan the QR Code and submit it latest by **30<sup>th</sup> September, 2023**

**Google Form Online Registration Link:**

<https://rb.gy/zmlbt>



## NERIE - NCERT

The North East Regional Institute of Education (NERIE) is a constituent unit of NCERT, New Delhi under the Ministry of Human Resource Development. NERIE was set up in 1995 in Shillong and in 2012, it was shifted to the present campus. The NERIE caters to the educational needs of the eight northeastern states viz., Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura. NERIE aspires to provide academic and technical support to the above states on policies and programmes related to school education. NERIE offers 2-year B.Ed regular course under affiliation of NEHU in addition to the certificate- courses viz. Diploma in Guidance and Counselling (DGC) and Early Childhood Education (ECE).

## PATRON

**Prof. Dinesh Prasad Saklani,**  
Director, NCERT

## CHAIRPERSON

**Prof. Flourette G. Dkhar,**  
Principal (i/c), NERIE

## CONVENER

**Dr. Ph. Brajayanti Devi,**  
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## CO-CONVENER

**Dr. Tulika Dey,**  
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# NATIONAL CONFERENCE ON MATHEMATICS EDUCATION

**Date : 20, 21, 22 December, 2023**  
**Venue : NERIE, Umiam, Ri-Bhoi District, Meghalaya**

## ORGANISED BY

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NCERT

**NORTH EAST REGIONAL INSTITUTE OF EDUCATION,  
NATIONAL COUNCIL OF EDUCATIONAL RESEARCH  
AND TRAINING,  
UMIAM, RI-BHOI DISTRICT,  
MEGHALAYA-793103**

## ABOUT THE CONFERENCE

Our nation hopes for transforming the country into a “Vishva Guru” through National Education Policy 2020 which can be accomplished by improving the flexibility, holistic nature, and multidisciplinary nature of the educational system. NCF-2005 advocated for a child-centric education system where the teaching of mathematics should enhance the child’s resources to think and reason, to visualise and handle abstractions, to formulate and solve problems. NEP 2020 also envisaged necessary reform to strike a balance between the need for 21st century employment and entrepreneurship which is characterized by lateral, critical, and numerical thinking. Topics what we deal in artificial intelligence are closely related to concepts of different branches of mathematics. A platform to develop, nurture, foster, encourage and multiply mathematical thinking is provided by NEP 2020. This broad spectrum of aims can be covered by teaching relevant and important mathematics embedded in the child’s experience.

The broad themes of the conference on “Mathematics Education” is intended to focus on traditional knowledge in mathematics education, mathematics in school curriculum, mathematics learning issues and concerns, innovative practices in mathematics education, recent development in mathematics education, learning resources for mathematics education, professional development of teachers and popularization of mathematics education. In this context the Mathematicians, Educationists, Teacher Educators, Research Scholars, Academicians and Teachers in the field of mathematics and education are invited to share their thoughts, experiences, researches in the conference which is being held by NERIE, NCERT to observe the **National Mathematics Day** to mark the birth anniversary of **Srinivasa Ramanujan**

## THEMES AND SUB-THEMES OF THE CONFERENCE

### ➤ Traditional knowledge in Mathematics Education

- Ancient Mathematics in India
- Vedic Mathematics
- Lokvidya /Folk knowledge of mathematics
- Ethno-mathematics
- History of Mathematics

### ➤ Mathematics in School Curriculum

- Pedagogical aspects of Mathematics
- Foundational numeracy
- Developing cognitive ability in Mathematics Education
- Interdisciplinary approaches in Mathematics

- ICT Integration in Mathematics Learning
- Coding
- Assessment in Mathematics Education

### ➤ Mathematics Learning - Issues and Concerns

- Social and Psychological barriers in Mathematics Learning and Interventions
- Challenges facing in teaching mathematics in Distance mode or through online mode and strategies to overcome them.
- Approaches of Teaching Mathematics in school Education Classroom Practice and Use of Mathematics TextBooks
- Developing support system for self-learning in Mathematics
- Language and Mathematics
- Mathematics for inclusive classroom

### ➤ Innovative practices in Mathematics Education

- Best practices in
  - \* Early Childhood/ Foundational Stage Education
  - \* Preparatory Stage Education
  - \* Middle Stage Education
  - \* Secondary Education
  - \* Teacher Education

### ➤ Recent development in Mathematics Education

- NEP 2020 and Mathematics Education
- 21st Century Mathematics Education
- Researches in Mathematics Education
- Experiential Learning in Mathematics
- Mathematics and Computational Thinking/skill
- Mathematics and Mathematical reasoning

### ➤ Learning Resources for Mathematics Education

- Teaching of Mathematics through toys and games
- Teaching of Mathematics through activities
- Origami and Mathematics learning
- Teaching of Mathematics through different forms of art
- Effective utilization of Mathematics Kits in school.

### ➤ Professional Development of teachers

- Future perspectives for in-service Teachers Training
- Aspiration and Career canvas in Mathematics

### ➤ Popularisation of Mathematics Education

- Role of Mathematical societies and organizations
- Mathematical events/ seminars/ conferences/ Workshops/ exhibitions
- Mathematics Park, Club and Discussion Forum at Schools
- Gamification and brain based tools for Easy Mathematics.
- Mathematics Olympiad
- Mathematics Journal and Magazines
- Mathematics of everyday life.

## Call for Papers

Interested Researchers, Teachers, Teacher Educators, Pedagogue, Research Scholars, are requested to send research papers in the prescribed format.

**Paper Format:** The abstract should be typed in MS Word with Font Size 12, line spacing 1.5, and within 300 words with 4/5 key words. The full paper is also to be written in the same format within 5000 words related to the themes and subthemes of the Seminar. Diagrams in the paper to be sent separately in JPG file along with the paper. The paper should be organised in the following format:

- \*Abstract with Key Words
- \*Introduction
- \*Objectives
- \*Method & Procedure
- \*Results & Discussion
- \*Conclusion and
- \*References.

**Acceptance of Papers:** Notification (if accepted) will be communicated through email only. Add the above email ID in the contact list to avoid receiving any communication as spam. The proposed presentation may also be sent to the same email ID after acceptance of the paper.

The abstract and full paper should be submitted online to **[nationalseminaronmathematics@gmail.com](mailto:nationalseminaronmathematics@gmail.com)**

## PLAGIARISM ALERT

Authors are requested to adhere to strict academic ethics with respect to the acknowledgement of the original ideas from other others and sources to avoid plagiarism as each paper will be screened by the screening committee. Papers not complying to ethical standards will be summarily rejected.

## TRAVEL AND STAY PROVISIONS

TA (only III AC Train / Bus / Shared Taxi fares) will be provided on production of tickets booked from authorized source as per NCERT norms, for only one Author of a paper. Arrangements for food and accommodation will be made in NERIE Guest Houses/ Hostels, on request basis for the non-local participants (for maximum two authors of a paper)