



# **ARMY INSTITUTE OF EDUCATION**

NAAC ACCREDITED & ISO CERTIFIED INSTITUTE

Plot M-1, Pocket P-5, Sec. CHI, Greater NOIDA

## **REPORT ON PAPER PRESENTATION**

**AT**

## **NATIONAL SEMINAR ON SCIENCE EDUCATION**

A **National Seminar on Science Education** was organized at North East Regional Institute of Education, Umiam, Meghalaya, a constituent unit of NCERT, New Delhi.

The seminar was based on six sub themes-

- Science Education for Sustainable Development
- Innovative Practices in Science Education
- Implementation of Educational Policies and their impact on Science Education
- Traditional Knowledge in Science Education
- Science Learning – Issues and Concerns
- Popularisation in Science Education

A research paper titled ' Study of Techno-Pedagogical Competencies in Science Teachers' was presented by Ms. Pratibha Garg of Army Institute of Education, Greater Noida under the fifth subtheme of this two day national seminar held on 14-15 Nov 19.

The seminar was divided into Inaugural session , Eight Technical Sessions and Velidictory Session.

### **INAUGURAL SESSION**

The programme started with the lamp lighting ceremony by the Chief guest of the seminar Prof Amarjyoti Choudhary, Vice Chancellor, Assam Downtown University and Guest of Honour Shri P.L.N. Raju, Director, North East Space Application Centre.

After lamp lighting the Welcome address was delivered by Prof B. Barthakur, Principal, NERIE-NCERT. He welcomed the delegates and guests present for the seminar and highlighted the main objectives of the seminar.

The program was followed by the introduction of the Chief Guest and the Guest of Honour by Mr Arnab Sen, the program coordinator.

After this Principal NERIE, NCERT felicitated the chief guest and the guest of honour with a shawl and memento.

The Guest of Honour in his address emphasized on the importance of science in daily life. He appreciated the efforts of NCERT towards promoting science education. He said that more innovations should be done in the field of science. He gave his views that if we educate people and enable the students and the local community then more innovative and low cost measures for the local problems will be developed.

The Chief Guest in his address mainly emphasized on Innovative Science Education. He focused on the role of science in day to day life and discussed that we all should gear up to play our role in finding out the solutions to the problems of the society with the help of science innovations. He also emphasized that how to use the application, should also be a part of education.

Then, Prof B. R. Dkhar, Head & Dean, Research, NERIE presented the vote of thanks to all the dignitaries.

**TECHNICAL SESSION 1** Technical Session I was chaired by Prof Subhash Chandra Roy. Total 10 papers were presented in this session. The papers were mainly related to the traditional knowledge in science education.

**TECHNICAL SESSION 2** The session was chaired by Prof M.K. Satpathy and it was based on implementation of educational policies & popularization of science education. 10 papers were presented in this session.

**TECHNICAL SESSION 3** Prof Shashi Prabha chaired the session and it was based on science learning – issues and concerns. Total 07 papers were presented in this session.

**TECHNICAL SESSION 4** Prof B. Barthakur, Principal NERIE, NCERT chaired the session and it was also based on science learning – issues and concerns. Total 11 papers were presented in this session.

**TECHNICAL SESSION 5** This session was chaired by Dr Tulika Dey. Total 11 papers were presented in this session. The papers were based on the subtheme science learning – issues and concerns. Ms. Prathibha Garg (Asst Prof) presented her research paper on the topic “Study of Techno- Pedagogical Competencies in Science Teachers”. She discussed about the concept of techno-pedagogy and its role for teachers. She was mainly focused on the science teachers. She emphasized upon the results of her study on techno- pedagogical competencies in science teachers which revealed that the science teachers of Delhi NCR are having high techno-pedagogical competencies but still there are teachers who need to learn and enhance their techno-pedagogy competencies. She also suggested that teachers should get more efficacious training for the effective use of ICT in science teaching at pre-service as well as in- service level of teaching. There must be congruence between the school curriculum and teacher training

curriculum. Then only teachers will be ready to utilize their knowledge to effectively design teaching- learning process, project work and assignments etc.

**TECHNICAL SESSION 6** Prof Flourette G. Dkhar chaired the session and it was based on innovative practices in science education. Total 11 papers were presented in this session.

**TECHNICAL SESSION 7** Prof Balaida R. Dkhar chaired the session and it was based on science education for sustainable development & innovative practices in science education. Total 13 papers were presented in this session.

**TECHNICAL SESSION 8** The session was chaired by Smt. Shatarupa Palit and it was based on science learning – issues and concerns. 12 papers were presented in this session.

### **CULTURAL PROGRAMME**

To showcase the culture of North East, a cultural programme was organized in the evening of the first day of the national seminar for the participants. The programme displayed the Bihu dance, a few folk dances and tribal dance of Assam, by the student teachers of NERIE. A few folk songs were also recited by the student teachers of the institute. The programme was appreciated by everyone.

### **VALEDICTORY SESSION**

In the end the valedictory session was conducted. The welcome address was given by Prof B. Barthakur, Principal, NERIE-NCERT. He felicitated the chief guest of the session Prof Shashi Prabha, National Institute of Education, NCERT. After that Dr Ph. Brajayanti Devi, Associate Professor & Coordinator, NERIE-NCERT read the brief report of the national seminar. The valedictory address was given by Prof Shashi Prabha. She appreciated the theme of the seminar and discussed that this seminar has provided a platform to deliberate on the Science Education Scenario. The sharing of ideas will definitely come up with a set of recommendations to improve the status of science education in the country.

The seminar was concluded by a vote of thanks by Mr Arnab Sen, Coordinator of the seminar. He appreciated the efforts of the paper presenters and participants who showed their interest and came to participate in the seminar.

Overall it was a great learning and enriching experience.



Lamp lighting by Chief Guest and Guest of Honour during Inaugural Session



A Participant presenting paper in Technical Session 1

A participant presenting paper in Technical Session 3



Pratibha Garg, Asst Prof, AIE presenting her research paper in Technical Session 5

Pratibha Garg, Asst Prof, AIE with Principal NERIE, NCERT and the team of Technical Session



Student teachers showcasing culture of North East through cultural activities