

# BULLETIN



## 49<sup>th</sup> Rashtriya Bal Vaigyanik Pradarshani-2022

Organized by Department of School Education, Govt of Assam in Collaboration with NCERT, New Delhi  
(22<sup>nd</sup> - 26<sup>th</sup> November, 2022)



Day-2

23<sup>rd</sup> November, 2022



*The second day of the event began on a note of great exuberance with the arrival of a huge number of students, teachers, and other visitors from different parts of the State. The exhibition aimed at stimulating interest in science and developing scientific temper provided an excellent platform for young scientists to showcase their talents, creativity, and innovative fervor.*



### Bird Watching

As a part of the second day of the Rashtriya Bal Vaigyanik Pradarshani, bird-watching activity was initiated in the morning hours of November 23, 2022, under the guidance of Dr. Narayan Sharma, Assistant Professor, Department of Environmental Biology and Wildlife Sciences, Cotton University. The activity provided a novel opportunity for the participating students to witness and learn about common birds.



### Popular Talk on “Artificial Intelligence and future Humankind”



A popular talk was organised on the topic ‘Artificial Intelligence and Future Humankind’ on the second day of the event. Dr. M.K. Bhuyan, Professor, Department of Electronics & Electrical Engineering and Dean, IPM, IIT, Guwahati, Assam, was the speaker. He showcased the work accomplished by him and his team on Artificial Intelligence (AI). Dr. Bhuyan talked about the implications of artificial intelligence in different fields. He stated that mathematics and biology are inherent components of Artificial Intelligence. Dr. Bhuyan, in his talk, highlighted the lacunas related to AI and suggested that further research is crucial in eliminating the disadvantages associated with it. He highlighted that “through collaboration and innovation,” we can overcome the challenges and the uncertainties of the future. The session concluded with a brief discussion on the queries raised by the audience.

## Exhibition Models

An interesting slew of exhibits were displayed in the stalls. The innovations displayed are based on the 6 sub-themes of the exhibition which are: Eco-friendly Materials, Health & Cleanliness, Software & Applications, Transport, Environmental & Climate Change and Mathematical Modelling. Under the theme of Eco-friendly Material, innovations like “Toilet Van” (generating electricity from urine), Plastic Waste management Model, Eco-friendly Nursery Pot, Easy Eco-friendly Tools, Automatic Water Dispenser with Tube well etc. were presented. In the Health and Cleanliness section there were exhibits on Preparation of “Kola Khar”, Crop Protector, Automatic Sanitizing Device, Auto-washable Toilet, Social Distancing Alarm, Tricycle Floor Cleaner among a myriad of fascinating exhibits.



## Space on Wheels

‘Space on Wheels’ is an initiative of NESAC, ISRO, wherein captivating exhibits depict insights on Space Science. Fascinating miniature specimens are displayed in a bus for the viewers, which appear exceptionally realistic. Some of the specimens are Heat Shield, Aryabhata Spacecraft, Specimen of Chandrayaan-I Mission, Mangalyan-Indian Mars Orbiter Mission, Moon Surface, Indian Satellite Communication Applications among many others.





## Playing with Science

Various innovative and dynamic models on Mathematics, locally prepared, were exhibited for the visitors. These included LCM finders, clinometer, fun with numbers chart, dice games, rectangular geo-board working model, Pythagoras theorem working model, pattern circle working model, rotating circle working model, number game working model, indenter, centroid, three



-dimensional geometry, weight measuring working model etc. The visitors avidly engaged in learning about the models and its applications. The demonstration of the mathematical models was held under the able leadership of Dr. Pannalal Goswami, Rtd. Professor, Cotton University and his team.

## Instant Quiz



Instant Quiz was conducted in the online mode by Mr. Kangkan Kishor Dutta and Mr. Bikash Baruah. The theme of the quiz was “Science is fun”. More than 1000 assorted questions were set for the students to play. Amusing and randomly selected questions were made available for everyone. A fun element was added by including the step of “Lucky Coupon”. A large number of students from schools and colleges enthusiastically participated in the quiz. The students immensely enjoyed the quiz sessions and were thrilled to win the rewards. The quiz encouraged the students to learn through joyful ways and acquire insights on different aspects of science.

## Science Show by Regional Science Centre, Guwahati

In the Science show, at the interval of every 30 minutes liquid nitrogen show was conducted for the visitors. Students from various schools and colleges thoroughly enjoyed watching the scientific marvel. The representatives of the centre imparted 10 science demonstration lectures (SDL) which were deeply enriching for the students. Another key feature was the live demonstration of “Robotics”. There was also a display of the innovation hub of the centre.



## Showcase of Community Resources of Assam



Students, teachers and general public visited the stalls of Community Resources wherein they learned about local community resources and also purchased the enticing items from the stalls. Resources made of bamboo like Japi, Fish, Flower Pot, Mala, Box, Jakoi, Khaloi, Clip, Pen Stand, different sized Japis, Tupi Japi, Bota and other decorative items and showpieces were beautifully displayed in the stall.

## Safety measures by Assam State Disaster Management Authority



Assam State Disaster Management Authority demonstrated materials which were demarcated into two parts. The first part included disaster risk reduction materials like -life jackets, Apda Mitra Kit, Life boy (wheel), surveillance drones, solar lights, helmets, gum boots etc. In the second part, wireless communication equipment of Assam Police Deptt. were displayed. Among the displayed equipment high frequency set, very high frequency set and ultra-high frequency set with their respective accessories were demonstrated. 4G LT mobile phone plus UHF were also exhibited. An instant quiz related to disaster management was conducted for students of classes VIII to X.



## Academic Interaction

An academic Interaction activity was conducted by the faculty members of NCERT for the students. Students from different educational institutions put forth thought provoking questions which were lucidly responded and addressed by the teachers and educators.



## Cultural Evening

The cultural evening ceremoniously began with a melodious instrumental performance, creating an ambience of serenity and delight. This was followed by the inaugural performance on Satriya and Bhortal dance by the students of Assam Jatiya Bidyalaya, Noonmati, Assam. Students from different States enthusiastically participated in the program. The vivid performances reflected the rich cultural milieu of our country and added to the charm of the event. The audiences watched the engrossing program with immense zeal and interest. The program included dance performance from Odisha, Dogri Folk dance from Jammu, Folk dance from Manipur, Folk dance from Rajasthan, Speech on the cultural heritage of Rajasthan, Rabindra Nritya from Assam, performance on Chhath Puja from Bihar, and a Solo dance from Sikkim. The enchanting cultural program encapsulated the essence of the trope of 'unity in diversity' in India.



## HIGHLIGHTS of

24/11/2022

- ▶▶ Bird Watching
- ▶▶ Popular Talk on
  - i) Indian Space Mission: Achievements and Prospects
  - ii) Science, Spiritualism and Human Values with Special Reference to India
- ▶▶ Exhibition
- ▶▶ 'Space on Wheel', an initiative of NESAC, ISRO
- ▶▶ Playing with Science
- ▶▶ Instant Quiz
- ▶▶ Science Show
- ▶▶ Showcase of Community Resources of Assam
- ▶▶ Observation of Night Sky

## WE ACKNOWLEDGE

