

# 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-3

24<sup>th</sup> November, 2022

### Observation of Lachit Diwas at 49<sup>th</sup> RBVP Venue



*The third day of the event began with the ceremonious lighting of a lamp in front of the statue of Bir Lachit Borphukan by Dr. Nirada Devi, Director, SCERT, Assam on the occasion of the 400<sup>th</sup> birth anniversary of the great Commander of Assam. Visitors paid their respects with floral offerings at the statue of the legend. The overwhelming presence of visitors from different places was the key highlight of the event.*



### Popular Talk on “Indian Space Mission: Achievements and Prospects”

A popular talk was organised on the topic ‘Indian Space Mission: Achievements and Prospects’ on the third day of the event. The talk was delivered by Sri. Kumud Bhattacharyya, Former Director, NESAC, ISRO. He elucidated the process of how a space mission is carried out and the need for such missions. He spoke on the different Space Missions of India like Mission to Moon, Mission to Mars, India’s Second Moon Mission, ISRO’s Manned Mission, etc.



### Popular Talk on “Science, Spiritualism and Human Values with Special Reference to India”



Prof. Sibnath Sarma, Retd. Professor of Philosophy, Gauhati University, Guwahati delivered a talk on ‘Science, Spiritualism and Human Values with Special Reference to India’. In the context of spiritualism, he stated that it is the ontological foundation of the cosmos. The lecture touched upon discourses on philosophy, science, humanities, morality, and mysticism. Prof. Sarma debunked myths associated with notions of spiritualism and science through the insightful lecture.





## Exhibition Models



The innovations displayed in the exhibition 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 Transport, innovations like Advanced Transportation and Communication (Li-fi), Convenience for Patients on Road, Solar Anti-accidental Automated Robotic Vehicle, Sustainable Toys, Pollution Free Coastal Surface Transport, Accident Auto Control Device etc. were presented. In the Mathematical Modelling section there were exhibits on Magical Numbers of Mathematics, Conic Section, Mathematical Toys, Mathematical Model of Symmetry, Innovative Modelling for Correlation in Mathematics and so on amidst a multitude of other intriguing exhibits.



## Space on Wheels

Space on Wheels, an initiative of NESAC, ISRO, projects interesting specimens related to Space Science. The exhibits include specimens of CHANDRAYAAN-1 which drafted history for being India's first mission to the moon. Another significant specimen is that of the CHANDRAYAAN-2, an enhanced version, which was launched to develop and demonstrate the main technologies in achieving the lunar mission capabilities and expand the lunar scientific knowledge through the detailed study of the moon's topography. The exhibit also includes a specimen of the **Vikas Rocket Engine** designed in the 1970s.







## Playing with Science



Playing with Science, primarily led by Dr. Pannalal Goswami, Rtd. Prof. Cotton University and his team showcased various innovative exhibits and demonstrations for the visitors. In the Physics corner, live demonstration was conducted on Air in Material, Upper force of water, Separation of water from salt/sugar solution, dancing lid, transparent glass box. Interesting experiments were projected like the experiment of light with the help of prism, concave lens and convex lens, experiment of plain mirror, magnetic field with the help of iron filling, experiment on sound production by glass with the help water. Further experiments on various other enriching topics were also included catering to the curious young minds and the knowledge seeking visitors.



## NCERT Stalls



**Division of Educational Kits, NCERT** has exhibited 16 Educational kits at the allotted stall. A great number of visitors came thronging to the stall. Students and Teachers have shown much interest in Mathematics Kits, Senior Secondary Physics Kit and Viewing slides. Enquiries have also been made about procurement of Kits. Brochures are being distributed to visitors and prospective buyers.



**CIET, NCERT, New Delhi** showcased the innovations in Educational Technology for teaching learning process like PMeVIDYA to disseminate the content through DTH TV channels (One class One DTH channel), DIKSHA (One nation One digital portal), Radio broadcast. Interactive content through Augmented reality mobile app and Virtual labs on DIKSHA portals were exhibited. Initiatives like ePathshala, SWAYAM MOOCs, NISHTHA teacher training programs showed the involvement of Teachers and educators along with Prashast mobile app which help in screening of the disability among school children. Cyber security manuals help the children to be safe on the internet. They also made arrangements for showcasing their video programs through television. The exhibits overwhelmed the students, teachers, educators and all the visitors.

## Science Show by Regional Science Centre, Guwahati



The Regional Science Centre, Guwahati showcased an array of different items like Cone Runs Uphill that showed to project the defiance of the laws of gravity. The “Robotics” under the Innovation Hub has displayed two exceptionally interesting Robots. One is designed for road safety that functions along coloured lines. The next is Humanoid Robot that can potentially aid human in transacting day to day activities. The SDL on “All roads lead to Rome” described the planetary motion of the planets in the solar system. Zoetrope technology was also displayed for the visitors. A video documentary telecasted on 75 years of Indian independence with special reference to India’s achievements in science and technology.



## Food Safety

FSSAI, Govt. of India through their demo-vehicle disseminated invaluable information about different food safety issues which included – polished dal, highly coloured (synthetic) foods, raw turmeric, adulterated milk and milk products, packeted food items, sweets wrapped in aluminum, black pepper mixed with papaya seeds among many others that are inherently harmful. They had also demonstrated the fortified rice that contain all the nutritional supplements beneficial for the human health. Students were made aware of the harmful effects of processed and artificial food products that are available in the market.







## Cultural Evening

The glorious cultural evening began with 'Borgeet,' an Assamese Vaishnavite devotional song. All the students from the participating States joined hands in displaying their marvelous performances with a view to express India's cultural ethos. The platform of the Science Exhibition has provided an avenue to portray the magnificence of India's cultural diversity transforming the environment to a cultural village. The program included performances from different states namely Holi Dance from Bihar, folk dance from Manipur, Odisha, Goa, Kashmir, Telengana, Chandigarh, Rajasthan and Satriya and Bihu dance from Assam, Bhupendra Sangeet from Assam, folk song from Odisha, Sikkim, song from Delhi and Maharashtra, speech about Lakshadweep followed by a documentary, skit from Jammu. The program served as a mode to bring to the fore the spectacular talents of the students and finally the eventful cultural evening drew to a close with the most celebrated song "we are in the same boat brother" of Dr. Bhupen Hazarika.



## Showcase of Community Resources of Assam

In the stalls of Community Resources, students, teachers and other visitors gathered to view the vibrant display of the locally made colourful items. The stalls provided an opportunity for the visitors to experience the preparation process of the resources and the financial viability of these enterprises. Visitors also purchased the enticing items from the stalls. Traditional attires of Assam such as – Mekhela Chadar and Sarees made of Cotton, Nuni-cotton, Tos, Muga and Ghisa; Eri Shawls, Jackets etc. were displayed at the demarcated stalls.



- ▶▶ Art Competition i) Group A (Class VI to VIII)  
ii) Group B (Class IX to XII)
- ▶▶ Exhibition
- ▶▶ 'Space on Wheels', an initiative of NESAC, ISRO
- ▶▶ Playing with Science
- ▶▶ Instant Quiz
- ▶▶ Science Show
- ▶▶ Showcase of Community Resources of Assam
- ▶▶ Science Quiz Competition for participants

HIGHLIGHTS  
of  
25/11/2022

WE ACKNOWLEDGE

