

BULLETIN



49th Rashtriya Bal Vaigyanik Pradarshani-2022

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



Day-4

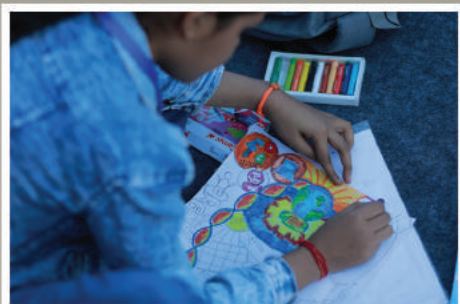
25th November, 2022



After the successful culmination of three days, the 4th day of the exhibition unfurled with the jubilant spirit of the participants. The assemblage of the visitors created an ambience of elation and creative reverberation in the Exhibition. The participants were enthused to showcase their innovations and interact confidently with the visitors.



Art Competition



The Art Competition commenced for two groups, Group A and Group B. The participants of Group A included students from class VI to VIII. The subject of the competition was 'Art and Environment' or 'Your Model Village/town/city'. The participants of the group B included students from class IX to XII. The subject of the competition was 'Future Techno-based World' or 'Technology and Innovation'. In the competition from the category of group A, the 1st prize was bagged by Kabir Aditya Kashyap from Assam, Yogesh Ashvinbhai Gohil from Gujrat won the 2nd prize and the 3rd prize was awarded to Madonna Reang from Tripura. In the category of group B, Sai Soham Pradhan from Odisha won the coveted 1st prize, the 2nd prize went to Sapna Kumari from Delhi and finally the 3rd prize was given to Prantik Debnath from Tripura.





Exhibition Models



The young budding scientists enthusiastically displayed their innovations in the exhibition. The models exhibited are based on the six 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 **Software and Apps** exhibits like Transfer of Data Through Light, Solution Hub, Gesture Control Robot, Edusquad, Online Exam and Study Portal, Car Racing, Instant Messaging Service without GSM and Internet, Hydraulic Labyrinth, (Li-Fi) Light-Based Wi-fi, Nutrisim, Home Automation, Anti-fog Vehicle Detection and Identification with AI, Rainbow in C++, Drainage Monitoring System, Merry-the Virtual Assistant, Easy Learn, Story Exploring Program Tech Drive, Co-help App, Li-Fi Technology etc. were presented. In the **Environmental and Climate Change** section there were exhibits like Low-cost Life Jacket, Air Purifier, Emergency Power Bank from Walking, Air-Pollution Detector, ATF Technology, Water Absorbing Road with Water Harvesting, Mathematical Approach with Digital Agrotech, Flood Alerting System, Phouhum, Artificial Green Lung, Green Building, Egg Shell Manure Eco-cooling House and so on amidst a host of other incredibly radical exhibits.



Playing with Science

There were a number of fun activities involving chemical science, demonstrated by the Chemistry team led by Dr. Pannalal Goswami, Rtd. Professor of Cotton University. The most exciting element was the – lighting candle without matchbox. That apart there were other amusing elements like chemical change, magic wound, elephant toothpaste, auto-adhesive, magnetic separation, burning water, dimag ki batti kaise jalaye (how to enlighten electric bulb on forehead), artificial volcanic eruption (lava), conductor and non-conductor, vanishing ball, fountain experiment, to name a few. The exhibits and demonstrations were equally enjoyed by the young and the old.





NCERT Stalls



Department of Education in Science and Mathematics : The Department of Education in Science and Mathematics (DESM) is the organizing department from NCERT for this exhibition along with SCERT Assam. The visiting DESM team comprises the Head DESM , Prof. Sunita Farkya, two national coordinators Prof. Anjni Koul and Prof. A.K. Wazalwar alongwith other faculty members of DESM and other staff of different departments of NCERT. In the exhibition DESM has taken care of the distribution of NCERT materials such as brochures and booklets of synopsis of exhibits. The faculty of department of Education in Science and Mathematics, NCERT visited stalls set up in the exhibition. They interacted with the students about the exhibits in these stalls.



Publication Division : NCERT has put a stall for students, teachers and general public. In the category of teacher's books in the General Publication there is a huge demand for Teachers Guide & Supplementary Readers. In the Children's section of the General Publication Barkha Series, India Unity & Story Books are a huge hit among children.



Department of Elementary Education, NCERT: Resource material in the form of storybooks games, posters, worksheets, textbooks, mathematics learning kit, etc. were displayed for the visitors. A brief overview of Foundational Literacy & Numeracy was provided. Brochures related to functions and initiatives undertaken by the department were shared. The visiting children explored the items of the kit and were engaged in creative expression. The visitors showed keen interest in the purchase of resource material.

The national exhibition is being regularly monitored by Director, NCERT, Prof. Dinesh Prasad Saklani and Joint Director of NCERT, Prof. Sridhar Shrivastava.

Showcase of Community Resources of Assam

In the stall of the Department of **Sericulture, Govt. of Assam**, sponsored by the Directorate of Sericulture, Assam depicted aspects of Agro-based cultivation practices like Muga cultivation, Eri culture, Indoor Mulberry rearing, rearing of Tasar in the open trees and so on. Live demonstration of Muga Silkworm, Eri Silkworm, Reeling process of Muga Cocoon etc. were elaborately displayed for the visitors of the exhibition.



Navamilan Self Help Group has set up a stall to exhibit **traditional and local cuisines of Assam**. The representatives prepared and displayed different food items like coconut 'laddoo' 'bhapot diya pitha', 'kolpatot diya pitha' etc. Exponential rise in sale of the food items have been seen in the last four days of the exhibition.



Sanskritabharati



The stall of Samskritabharati set up in the exhibition displayed their work towards popularization of the Sanskrit language. It is a global organization that has been working for 25 years to sensitize and spread awareness on Sanskrit Language.

Adarsha Vidyalaya

Adarsha Vidyalaya Sangathan under the Deptt. Of School Education, Assam has displayed interesting models like Air Pollution Controller, Automatic Irrigation System, Bluetooth Car Controller, Human Lung Model, automatic Solar Street Light, Extraordinary Universal Charger and Smart Blind Stick.



Fire Safety and Rescue Equipment

The visitors were made aware of the varied fire safety and rescue equipment, along with their usages. The onlookers viewed the different items with avid interest. Some of the equipment exhibited are as follows: Fire extinguisher, Breathing Operator Set and Rescue Equipment, Chain Saw etc. Hydraulic Combi Tools, Carbon Dioxide Fire Extinguisher, CAF Extinguisher, Gasoline Smoke Exhauster, Remote Area Lighting System, SCBA Set, Air lifting Bag etc.





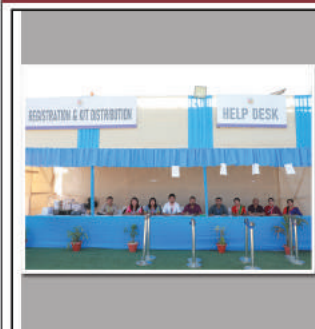
Science Quiz Competition for Participants

Science Quiz Competition was organized for Elementary and Secondary level students. The winners were awarded with prizes and certificates. The quiz masters were Dr. Mausumi Ganguly, Professor and Head, Deptt. Of Chemistry, Cotton University, Dr. Narayan Sharma, Deptt. of EBWS, Cotton University, Dr. Deepjyoti Kalita, Deptt. of Library and Information Sc., Cotton University, Guwahati.

In the elementary level the 1st Prize was bagged by Sucheta Ray from RIE, Mysuru and Rukma Mishra from RIE Bhubaneswar, 2nd Prize was bagged by B. Sushanth and M. Arjun from Andhra Pradesh and 3rd Prize was bagged by Priyangshu P. Sarma and Trinabh Kashyap from Assam. In the Secondary level, the 1st Prize was bagged by Vighnesh Nauso Shetye and Khushi Mukesh Gautam from Goa, 2nd Prize was bagged by Gurminder Singh and Varesh Goyal from Chandigarh and 3rd position was bagged by Sai Soham Pradhan and Pratyush Mahapatra from Odisha.



Support & Synergy



Reception and Registration: An integral part of the exhibition has been the team working towards reception and registration of the participant students, teachers and other stakeholders. They have also effectively served as the 'help desk' to address the queries and coordinate with all the sub-committees.



Health and Disaster Management; Fire & Emergency Service:

The teams have been working tirelessly to deal with contingencies and have acted with immediacy to avert any issues pertaining to health and safety. Medical officers from Health Deptt. Govt. of Assam, Personnel from Guwahati Municipal Corporation, ASDMA have been rendering round the clock service at the venue.



Discipline and Volunteer: For the smooth functioning of the 49th RBVP, 2022, the Discipline and volunteer team extended their continuous support. The team primarily comprises representatives from SCERT, Assam, TEI's of Assam, NSS, NCC, Scouts & Guides and Commandant of Home Guards.

Transportation and Accommodation:

The participants arriving from different states and districts have received warm reception from the Transport cell. They have duly performed the transit service for the representatives of the participating states systematically with great dedication and zeal. The accommodation of the participants has carefully looked after by the assigned team members.



HIGHLIGHTS of 26/11/2022

- ▶ Popular Talk : An Introduction to RSA Cryptography
- ▶ Exhibition
- ▶ 'Space on Wheels', an initiative of NESAC, ISRO
- ▶ Showcase of Community Resources of Assam
- ▶ Valedictory function



WE ACKNOWLEDGE

