

Monitoring Plan for Innovation Hub

Mandatory inputs for the month of: December 2023

1. Name of the Unit/**Sc. Centre**: Arunachal Pradesh Science Centre
2. Date of inauguration of innovation hub: 8December 2018
3. Area of the innovation hub: 2500 sq
4. List of activities undertaken:

a. Micro-Bit, Lego EV-3 Robotics and Game Development Competition:

Micro-Bit, Lego EV-3 Robotics and Game Development Competition-2023 organized during the annual day of Innovation Hub and Planetarium at Arunachal Pradesh Science Centre, I.G. Park Itanagar on 8th December 2023. The programme was Inaugurated by Chief Guest Shri C D Mungyak, Director cum Member Secretary A.P. State Council for Science & Technology, Department of Science & Technology in presence of Special Guest Shri Nabam Hina, Block Education Officer (BEO), DDSE Office.

Special Guest Shri Nabam Hina, BEO, apprise the initiative of Department of Science & Technology and told AI and Robotics are the two emerging fields which is going to change the future of Job opportunities and new education policy is giving due importance to these two fields. He urges to Department of Science & Technology to continue the programme in future and take up this programme to district level.

The detail introduction of Micro-Bit, Lego EV-3 Robotics and Game Development Competition was elaborated by Shri Subu Tarang, Mentor, Innovation Hub.

More than 100 students from 9 schools of Itanagar Capital Region have participated in the month-long training programme with eliminating round. Out of which 09 team were selected as a finalist to participate in the event organized on 8th December 2023. The details of winners are:

Game Development Competition					
Sl.no	Name of Students	Class	Name of School	Game Developed	Position
1	Jai Thapa	5	Holy Cross Higher Sec, School, Itanagar	Unlimited Aliens	Winner
2	Dijom Bagbi & Team	6 - 9	HIM Inter National School Jollang, Itanagar	Snake Game	
3	Samuel Bhujel	5	Holy Cross Higher Sec, School, Itanagar	Saturn Ring	

Result of Lego EV3 Robotic competition		
Sl.no	Name of School	Position
1	Govt Secondary School Police Colony	1 st
2	Govt. Higher Secondary School Mallo Tarin	2 nd
3	Vivekanand Kendra Vidyalaya Vivek Vihar, Itanagar	3 rd

Result of Micro-Bit Robot Making Competition		
Sl.no	Name of School	Position
1	Vivekanand Kendra Vidyalaya Vivek Vihar, Itanagar	1 st
2	Vivekanand Kendra Vidyalaya Chimpu, Itanagar	2 nd
3	Little Flower School chimpu, Itanagar	3 rd



b. 16 December: School Visit by St Mary School, Dhemaji

A group of 120 students from St. Mary School embarked on an educational tour to the Science Centre. During their visit, they were imparted with knowledge about the scientific principles behind magic and had the chance to explore the cutting-edge facilities of the innovation hub. This engaging and informative experience not only broadened their understanding of science but also sparked their curiosity, fostering a deeper appreciation for the wonders of innovation.



c. 18 December MoU Signing Ceremony:

The National Council of Science Museums (NCSM), Ministry of Culture, Govt. of India, Kolkata, and Arunachal Pradesh State Council for Science & Technology (APSCST), Department of Science and technology, Govt. of Arunachal Pradesh, are set to mark the significant milestone in the advancement of Science & Technology in the state with signing of Memorandum of Understanding (MOU) today, i.e., December 18th 2023, at the Arunachal Pradesh Science Centre, I.G. park, Itanagar.

The MOU has been inked between the NCSM represented by Deputy Director General Shri Samarendra Kumar and Secretary, Shri Subrata Mishra, and the APSCST, represented by Secretary Science & Technology, Govt. of Arunachal Pradesh, Shri Repo Ronya, IAS, in presence of Hon'ble Minister Science & Technology, Govt. of Arunachal Pradesh, Shri Honchun Ngandam and Chairman of APSCST, Shri Bamang Mangha

The primary objective of this momentous occasion is to establish two umbers of Category -II Science Centre and Planetarium in Arunachal Pradesh with one each at Namsai and Dirang respectively. This initiative, which is funded by the Ministry of Culture, Govt. of India and Govt. of Arunachal Pradesh on 90:10 basis signifies a significant leap forward in the promotion of Science & Technology in the state.

The event promises to be historic moment that will not only strengthen the scientific infrastructure in Arunachal Pradesh but also paved the way for brighter and more technologically advanced future of the state.



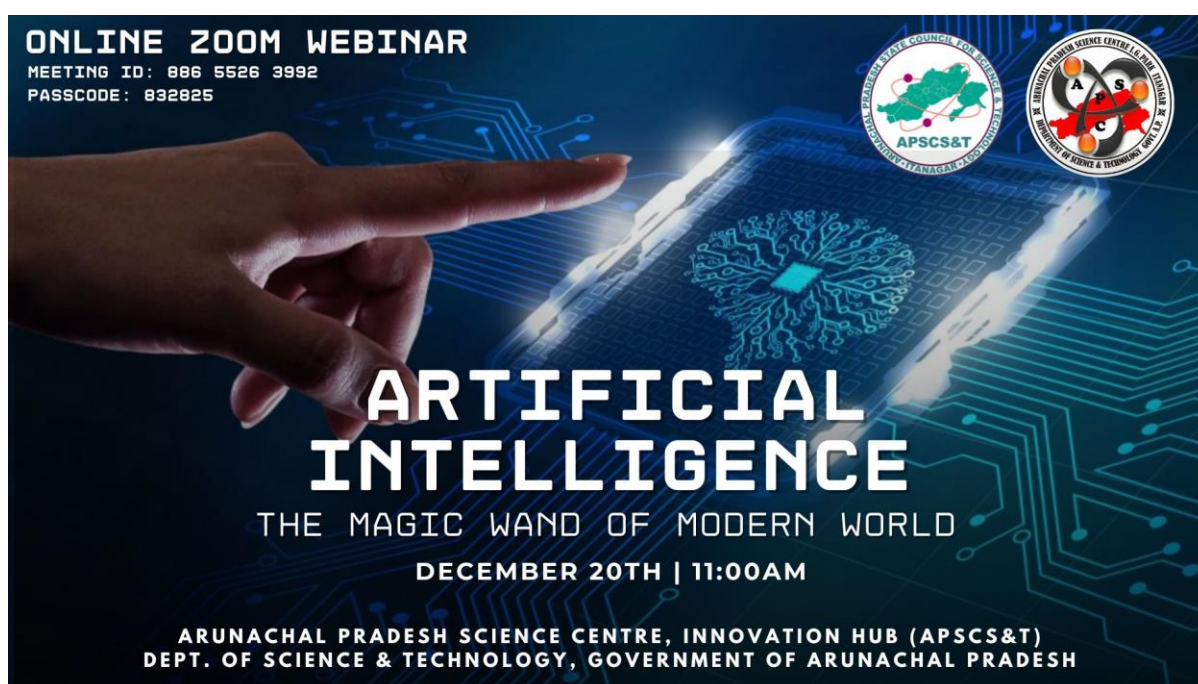
d. 19 December: Chemistry Practical

A member of the Innovation Hub orchestrated a comprehensive chemistry practical session, immersing participants in hands-on experiments and insightful demonstrations. The session covered a diverse range of experiments, from fundamental chemical reactions to advanced laboratory techniques. Students had the opportunity to manipulate various chemicals, observe reactions firsthand, and analyze experimental outcomes. This immersive experience not only enhanced their practical knowledge of chemistry but also instilled a deeper appreciation for the subject, emphasizing the real-world applications of scientific principles within the dynamic setting of the innovation hub. Total 5 Participants



e. 12th December: Online Webinar on AI:

The mentor of the Innovation Hub arranged a compelling online webinar on Artificial Intelligence (AI). The session delved into the multifaceted significance of AI in today's world, elucidating its transformative impact across various sectors. Attendees gained profound insights into the role of AI in advancing technological innovations, streamlining processes, and fostering unprecedented levels of efficiency. The discussion also highlighted AI's pivotal role in addressing contemporary challenges and driving solutions in fields ranging from healthcare and finance to education and beyond. This webinar served as a valuable platform for participants to grasp the profound implications of AI and its potential to shape the future of our interconnected and technologically driven society. Total 10 participants



f. **22nd December: Mathematics Day**

National Mathematics Day 2021 observed on dated 22nd December 2023 at Dera Natung Govt College to mark the 136th birth anniversary of Indian Mathematics Genius, Srinivasa Ramanujan and to raise awareness among the students about the Sri. Srinivasa Ramanujan's contribution to the world of mathematics and progress of mathematics in current scenario. The programme was organized by Arunachal Pradesh state Council for Science & Technology, Department of Science & Technology, Govt. of Arunachal Pradesh centrally at Itanagar with an aimed to aware the importance of mathematics in daily life and career consultations. The event was witness by the students, teachers from the different schools of the capital region. More than 150 participants.



- g. No. of creative projects undertaken along with the list:
- h. No. of best nominated projects along with the list:
- i. No. of students participated: 385
- j. Name of the school groups participated:
- a. MALLO TARIN GOVT HIGHER SECONDARY SCHOOL, ITANAGAR
 - b. GUARDIAN ANGEL SCHOOL, ITANAGAR
 - c. ZION PRIMARY SCHOOL, ITANAGAR
 - d. HOLY CROSS SCHOOL, ITANAGAR
 - e. GOVT UPPER PRIMARY SCHOOL, NITI VIHAR
 - f. GOVT SECONDARY SCHOOL, POLICE COLONY
 - g. LITTLE FLOWER SCHOOL, CHIMPU
 - h. GOVT SECONDARY SCHOOL, P-SECTOR
 - i. VIVEKANANDA KENDRA VIDYALAYA, ITNAGAR
 - j. VIVEKANANDA KENDRA VIDYALAYA, VIVEK VIHAR
 - k. HIM INTERNATIONAL SCHOOL, JOLLANG
 - l. DERA NATUNG GOVT COLLEGE, ITANAGAR
 - m. ST. MARY SCHOOL, DHEMAJI
- k. Whether formation of a local advisory committee comprising of members from different segments of the society is completed?
(If yes, please enclose the list of members of the committee)
- l. Whether network with communities has been set up?
(If yes, please give the details)
- m. Whether the information about your innovation hub has been included in the website of your Centre/institution?

<http://ardst.arunachal.gov.in/innovation-hub/>

- n. List out the challenging ideas received from idea box:
- o. No. of family innovation contests organized with dates:
- p. No. of parent child joint innovation projects organized along with the list:
- q. No. of community innovation fairs organized (dates, duration, and list of activities):
- r. No. of innovative design contests organized:
- s. No. of short orientation camps for Civil servants and public administrators organized (dates & duration and list of activities):
- t. No. of educational and research institutions, Science Clubs, NGOs, Corporate Bodies associated with the innovation hub:
- u. A brief description on action taken for publicity and sponsorships for innovation hubs:
- v. No. of innovative products developed for copyright/patent along with the list:
- w. No. of Individual Members in the Innovation Hub: 78
- x. No. of Institutional Members in the Innovation Hub: 03
- y. No. of students/teachers/parents/invited public who were exposed to the Innovation Hub during the month: 2212