

Monitoring Plan for Innovation Hub

Mandatory inputs for the month of: November 2022

1. Name of the Unit/Sc. Centre: Arunachal Pradesh Science Centre

2. Date of inauguration of innovation hub: 8 December 2018

3. Area of the innovation hub: 2500 sq

4. List of activities undertaken:

a. Ideation, Electronic & Robotics Awareness Programme:

A month-long workshop on ideation, electronics & robotics was conducted by Innovation Hub, Arunachal Pradesh Science Centre at different schools of Itanagar capital region. The main objective of the programme was to inculcate the young minds about innovation and basic electronics as per their syllabus to encourage them for a positive future in the field of science & technology. To ignite the mind of young students' brain storming session was conducted in their school and ideas was collected from them. Basic knowledge about electronic was imparted through hands on learning. At last robotics awareness was conducted and they were introduced about its programming, working, and function of sensors and motors. Participants: 35



01st Nov: Govt Middle School Model Village, Naharlagun

b. Orientation Program

Students of North East Regional Institute of Science & Technology (NERIST) was introduced to Lego Ev3 Programming. The Introduction to Programming EV3 Curriculum is a curriculum module designed to teach core computer programming logic and reasoning skills using a robotics engineering context. 32 participants dated 3rd November



c. State Level Science Drama competition (5th November)

Although science and drama are traditionally perceived as being at opposite ends of a spectrum of creativity, use of drama by students to communicate scientific ideas promotes questioning of concepts and use of different viewpoints: hallmarks of a good scientist. Drama is an effective means of providing opportunities for deeper understanding of science topics. The main benefits to students come from the process of translating information into movement and drama. Audiences for science drama also report increased enjoyment and understanding of the subject matter.

Subthemes of this year competition was:

- Story of vaccines
- Pandemic social & scientific issues.
- Basic science and sustainable development
- Technology innovation for improving quality of life.

Winner of the competition was Holy Cross School, Itanagar. Total participants: 120



d. Observation Of Lunar Eclipse:

A total lunar eclipse occurred on Tuesday, November 8, 2022. The southern limb of the Moon passed through the center of the Earth's shadow. Telescope was setup in innovation hub for its observation. Total participants: 25



e. 12th November: School Visit

Students from Itanagar Public School visited innovation hub and was shown different innovation equipment's present. The kids showed keen interest in science and technology and have been told about the various programmes that they can take part in and how they can take up membership at innovation hubs. Total 23 participants



f. 30th National Children's Science Congress 2022:

73 nos. of schools across the state of Arunachal Pradesh participated in 30th National Children's Science Congress 2022. Focal themes: Understanding Ecosystem for Health and Wellbeing.

Top Ten selected candidates will be represented in national level competition in Gujarat and the same shall be sponsored by APSCS&T.

Total participants: 320

List of Child Scientists winners: -

1st prize:

Shri Etemso Malo, VKV Amliang, Anjaw

2nd prize:

Miss Lulu Deori, GHSS, Mahadevpur, Namsai

3rd prize:

Shri Arun Gyadi, GHSS Seppa, East Kameng



5. No. of creative projects undertaken along with the list:
6. No. of best nominated projects along with the list:
7. No. of students participated: 555
8. Name of the school groups participated:
 - a. Govt Middle School Model Village, Naharlagun
 - b. Govt Higher secondary School Arunodaya
 - c. Holy Cross School
 - d. JNK Public School
 - e. Vivekananda Kendra Vidyalaya, Itanagar
 - f. North East Regional Institute of Science & Technology
 - g. Itanagar Public School
9. 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)
10. Whether network with communities has been set up?
(If yes, please give the details)
11. Whether the information about your innovation hub has been included in the website of your Centre/institution?

<http://ardst.arunachal.gov.in/innovation-hub/>
12. List out the challenging ideas received from idea box:
13. No. of family innovation contests organized with dates:
14. No. of parent child joint innovation projects organized along with the list:
15. No. of community innovation fairs organized (dates, duration, and list of activities):
16. No. of innovative design contests organized:
17. No. of short orientation camps for Civil servants and public administrators organized (dates & duration and list of activities):
18. No. of educational and research institutions, Science Clubs, NGOs, Corporate Bodies associated with the innovation hub:
19. A brief description on action taken for publicity and sponsorships for innovation hubs:

20.No. of innovative products developed for copyright/patent along with the list:

21.No. of Individual Members in the Innovation Hub: 73

22.No. of Institutional Members in the Innovation Hub: 03

23.No. of students/teachers/parents/invited public who were exposed to the Innovation Hub during the month:1226