

Monitoring Plan for Innovation Hub

Mandatory inputs for the month of: December 2022

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:

ROBOTIC COMPETITION 2022

After month long training and robotic awareness conducted throughout twin capital city of Itanagar. 3 school were selected and students was divided into team of 3. After training and elimination only one team from each school was left for the final competition. One Day robotic competition conducted on 8th December, 2022 at Arunachal Pradesh Science Centre, IG Park, Itanagar with the aim revolving on twin premise saying that every student can learn robotics and that every student must learn robotics.

Mr. Bengia Ama member of Innovation Hub, Arunachal Pradesh Science Centre, and student of VKV Chimpu, was also facilitated by Dept. of science & Technology for Securing second position in national Level (Inspire Manak Award) for his innovative project “Modified Ara.”

A Total of 12 participants from 3 Schools i.e. GHSS Ganga, GHSS Arunodaya, and GHSS ESS Sector including members of Innovation Hub, Itanagar Participated in the competition.

Team Innovation Hub secured the first position, Government Higher Secondary School, ESS Sector secured second position and Government Higher Secondary School, Ganga secured Third Position respectively.



HANDS ON ACTIVITY ON BIOLOGY

On 11th December students from bright coaching institute. Hands on activity was conducted for demonstration and study the distribution of tiny leaf openings known as stomata in the upper and lower surfaces of leaves



3 DAYS ROBOTICS AWARENESS PROGRAMME MIAO

3 days Robotics awareness programme (i.e., from 13th Dec - 15th Dec 2022) was conducted by Arunachal Pradesh State Council for Science & Technology at Government Higher Secondary School, Miao, Changlang district under the visionary leadership and guidance of Sri Honchun Ngandam Hon'ble Minister Science and Technology & RWD, Govt of A.P. and Sri Bamang Mangha Hon'ble Chairman, APSCS&T.

The robotics awareness programme will develop the right skills to prepare students for the competitive educational and professional society. Robotics boosts skills that are the foundation of success, such as critical-thinking and problem-solving skills. Allowing students to experiment with physical robots and observe the results of their programming effort can change their perception of programming, machine learning, and AI (artificial intelligence). With robotics, students can interact with electrical as well as mechanical procedures. Intertwining theoretical learning with a practical application can give them a sense of how fascinating programming can be. Interventions, therefore, must be made in our education system to prepare the young students for the future by introducing robotics early on. Learning through robotics can be more effective in engaging the students and instil scientific temperament in them. Technology is what drives the world today and students must be adept with the latest developments to be a productive member of the society.



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: 263
8. Name of the school groups participated:
 - a. Govt Higher Secondary School Ganga
 - b. Govt Higher Secondary School Arunodaya
 - c. Govt Higher Secondary School ESS Sector
 - d. Govt Higher Secondary School Miao
 - e. Govt Secondary School, Kharsang.
 - f. Bright Coaching Institute model village Naharlagun
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: 1384