



# **Monthly Report Of Innovation Hub Arunachal Pradesh Science Centre For December 2021**

**Submitted to:**

**Innovation Cell  
National Council of Science Museums  
Ministry of Culture, Govt. of India  
33, BLOCK-GN, SECTOR-5  
Bidhan Nagar, Kolkata, 700091**



**Submitted by:**

**Arunachal Pradesh Science Centre  
A.P State Council for Science & Technology  
Department of Science & Technology  
Government of Arunachal Pradesh  
IG – Park, Itanagar - 791111**

## **STEM ROBOTICS AWARENESS PROGRAMME SCHOOL**

### **LEVEL:**

Robots are an integral part of students, everyday lives, and most of them do not even know it. From making breakfast, doing chores, and playing games, to buying a snack, robots are everywhere around them. Modern toys have some of the most obvious forms of robotics at use. Remote control cars, planes, and drones allow you to control the robot's movement in real time.

Industry have also benefitted drastically from the expanse of robotic work force. Automated machines have taken over the duties of dangerous and mundane jobs from humans, allowing greater productivity. Because robots never tire, extra shifts have been added to factories. Farmers have taken advantage of new technology with automated harvesters, the waste disposal industry has implanted robots in some of its dirtier jobs, and the medical industry benefits from advancements in assisted surgical robotics. The idea of a factory with no human workers has come to fruition.

Robots are a fun, easy, and effective way to learn about computer programming. Programming a robot has tangible, observable effects.

With dismal pass percentage of schools across the state, it makes it more imperative that we come up with ways, so that students develop interest in their courses. Building awareness on robotics will help to some extent. We plan to conduct the programme at selected schools of capital complex. Awareness with practical demonstration will also introduce them to the world of endless possibilities with robotics, encouraging many to take the science stream.

Objective of the programme:

- Building awareness on basic robotics technology and artificial intelligence at school level in line with new education policy,2020
- Development of scientific temper and inquisitiveness amongst the school children
- Development of interest in their courses.
- Develop innovation club for innovative ideas and project in schools.

**Total school covered within Itanagar Capital Region: 10**

**Total no. of participant: 273**

**04-12-2021: Govt. Upper Primary School (Mowb II)**



**05-12-2021: Calvary School (JOTE)**





## 07-12-2021: Govt. Middle School Puriok, Papunallah



## 08-12-2021: Upper Primary School IG Park





## 09-12-2021: GOVT Secondary School, Chimpu



## 10-12-2021: Govt. Middle School Niti Vihar





## 13-12-2021: Govt. Middle School ESS Sector



## 13-12-2021 Lekhi Public School





## 14-12-2021: Govt. Secondary School, P Sector



## 16-12-2021 Govt Middle School, Chimpu I





## **15-12-2021: EDUCATIONAL VISIT LEKHI PUBLIC SCHOOL**

School trips or visits allow pupils to encounter experiences that are unavailable in the classroom. They can help pupils to develop initiative, resourcefulness, and independence. It also helps develop emotional and physical well-being, develops environmental awareness and interpersonal skills. Programme conducted

1. Introduction to microscope
2. Making of Origami
3. Science magic show
4. Space education

Total no. of participants: 50



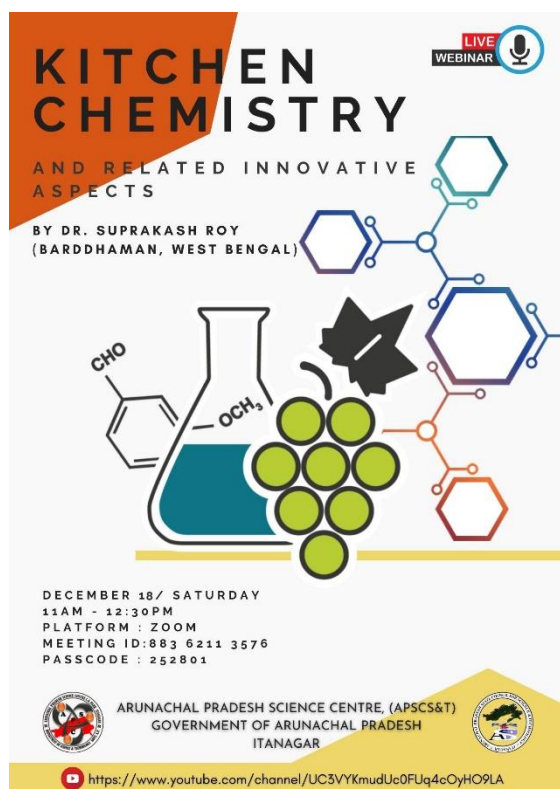


## 18-12-2021: ONLINE KITCHEN CHEMISTRY

**Resource person: Dr. Suprakash Roy**

Cooking itself is just chemistry. Heating, freezing, mixing, and blending are all processes used in the laboratory and the kitchen. When we cook food, a myriad of different physical and chemical processes simultaneously take place to transform the ingredients (i.e., chemicals) involved. In the webinar the detection of Nutrients Value of our food was explained.

Total no. of participants: 25



**KITCHEN CHEMISTRY**  
AND RELATED INNOVATIVE ASPECTS  
BY DR. SUPRAKASH ROY  
(BARDHAMAN, WEST BENGAL)

DECEMBER 18 / SATURDAY  
11AM - 12:30PM  
PLATFORM : ZOOM  
MEETING ID: 883 6211 3576  
PASSCODE : 252801

ARUNACHAL PRADESH SCIENCE CENTRE, (APSCS&T)  
GOVERNMENT OF ARUNACHAL PRADESH  
ITANAGAR

<https://www.youtube.com/channel/UC3VYKmdUc0FUq4cOyHO9LA>





## **20-12-2021: ONLINE STATE LEVEL SCIENCE SEMINAR**

Directorate of Secondary Education, GOVT of Arunachal Pradesh, Itanagar conducted Online State Level Science Seminar 2021 on the theme: Boosting Immunity- the need of the hour, Prospects & Challenges.

Total no. of participants: 19





## **22-12-2021: MATHEMATICS DAY**

Every year, 22 December is observed as National Mathematics Day in India to commemorate the birth anniversary of legendary mathematician, Srinivasa Ramanujan. The day marks the importance of mathematics in our life and encourages people to develop self-learning and rationale skills.

During the programme various events for school students was also organized. Total 75 students from different schools of Itanagar Capital Region (ICR) participated in the programme. The events were, Drawing Competition, and Multiple-Choice Question Competition for junior and senior Level.

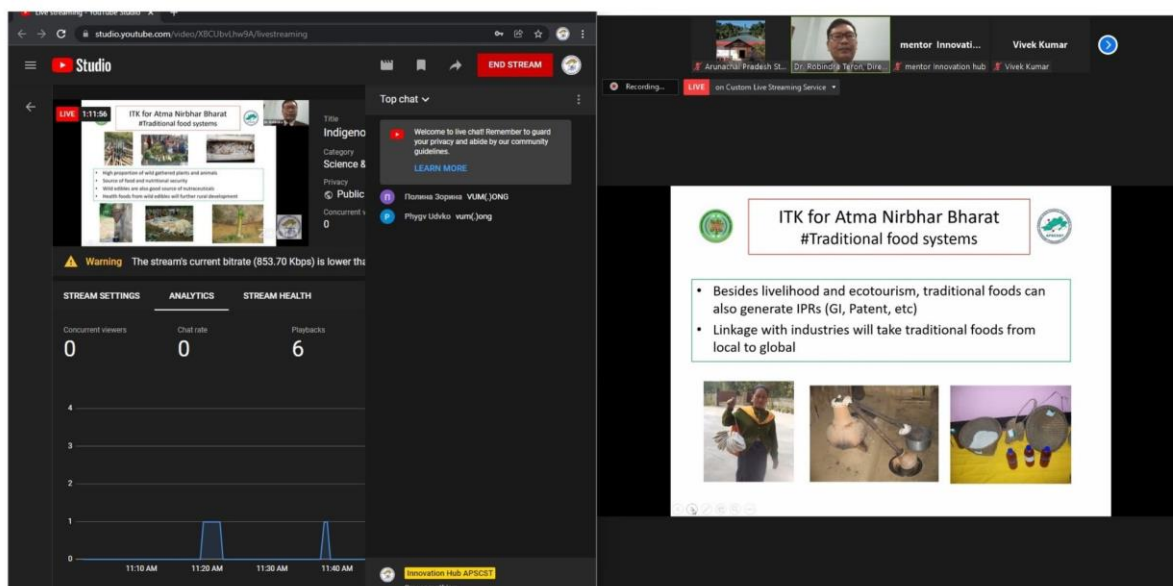




## 23-12-2021: VIGYAN UTSAV

Arunachal Pradesh State Council for Science & Technology Successfully organized Vigyan Mahotsav as a part of Azadi ka Amrit Mahotsav on the theme - "Indigenous Technology".

Total Participants: 45



Individual membership	62
Institutional membership	03

<b>Total Program Participants</b>	<b>:487</b>
<b>General total visitor</b>	<b>:1400</b>
<b>Cumulative total visitor</b>	<b>:18853</b>