



Monthly Report Of Innovation Hub Arunachal Pradesh Science Centre For September 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
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2nd September: “Vigyan Mahotsav” as a part of “Azadi ka Amrit Mahotsav”

The Government of India has initiated Azadi Ka Amrit Mahotsav to celebrate and commemorate 75 years of progressive India. To celebrate the Mahotsav, it has been decided by Department of Science & Technology, Govt. of India, New Delhi to instigate the One Month One Theme initiative. This will begin from September, 2021 and will end in August, 2022. The following twelve themes have been identified for One Month One Theme initiative and the State Councils have been identified to coordinate and prepare the framework.

- STI Institutions at the State level
- Human Resource Development
- R&D Infrastructure
- Indigenous Technologies
- Innovation & Start-ups
- Science Communication & Popularisation
- Women in S&T and S&T for Women
- Science & Society
- Future Technologies
- Basic Science for Atmanirbharata
- Atmanirbharata & Industry
- Intellectual Property Rights

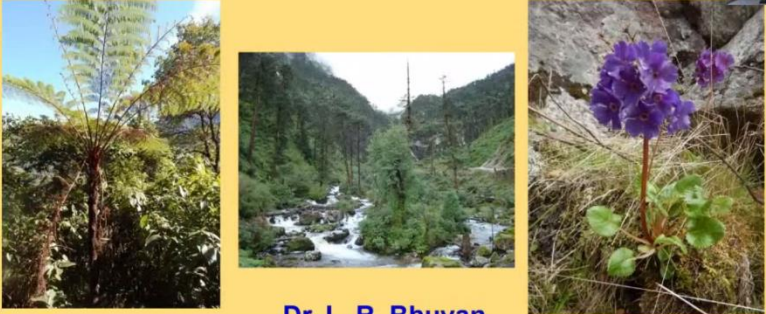
Total participants: 60



8th September: Forest's Resources of Arunachal Pradesh, it's present status and livelihood

To commemorate ICDS 2021, an online webinar was scheduled on Topic- forest's resource of Arunachal Pradesh, it's present status and livelihood by Arunachal Pradesh Science Centre, Dr. L.R Bhuyan Systematic Botanist SFRI, Itanagar was the resource person for the online webinar he mainly focused on conservation and generating livelihood from the resources available in the forest of Arunachal Pradesh.

Forests of Arunachal Pradesh, its present status, conservation and livelihood



Dr. L. R. Bhuyan
Systematic Botanist
State Forest Research Institute
Deptt. of Environment & Forests
Van Vihar, Itanagar
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zoom

CONSERVATION

1. MANY SCHEMES ARE GOING ON UNDER STATE AND CENTRAL GOVT. FOREST PLANTATION LIKE NAP, APNA VAN, SOCIAL FORESTRY. GREEN INDIA ETC.
2. **COMPENSATORY AFFORESTATION FUND MANAGEMENT AND PLANNING AUTHORITY (STATE CAMPA)**
3. UNDER RESEARCH & DEVELOPMENT



zoom

He also mentioned about the various plants and herbs which have medicinal values and these plants are consumed by tribal people from many centuries back.

Commercially valuable plants like bamboos, bats are found abundantly thus with proper awareness and skills these will generate livelihood and job opportunities for the unemployed.

Total number of participants = 34.



A Month-Long Arduino Robotic Workshop

5 September: conclusion of first batch online cum hands on Arduino robotic workshop.

Total participants:16



12th September: As the Arduino Workshop for the first batch concluded, Second Batch for "Hands on Arduino Robotics Workshop" started. They have been given basic introduction on Arduino and have been provided with the FREE Robotic Kit. This session will continue for a week and then these participants will code and program an Arduino Robot.



What is programming

A programming language is a set of rules & Instruction that provides a way of telling a computer what operations to perform.

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graph TD; USER[USER] --> GUI[GUI Application]; GUI --> HLL[High-level Language]; HLL --> LLL[Low level Language]; LLL --> ML[Machine Language]; ML --> HW[Hardware]
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Arunachal Pradesh State Council for Science & Technology
A.P Science Centre, Innovation hub, Itanagar
Department of Science & Technology
Govt. of Arunachal Pradesh

75
Azadi Ka
Amrit Mahotsav

INTRODUCTION TO Arduino Programming

Date: 4th September 2021
Time : 2:30 pm
Venue : online zoom meeting

Presentation By
Subu Tarang
Mentor
Innovation hub, Itanagar

zoom

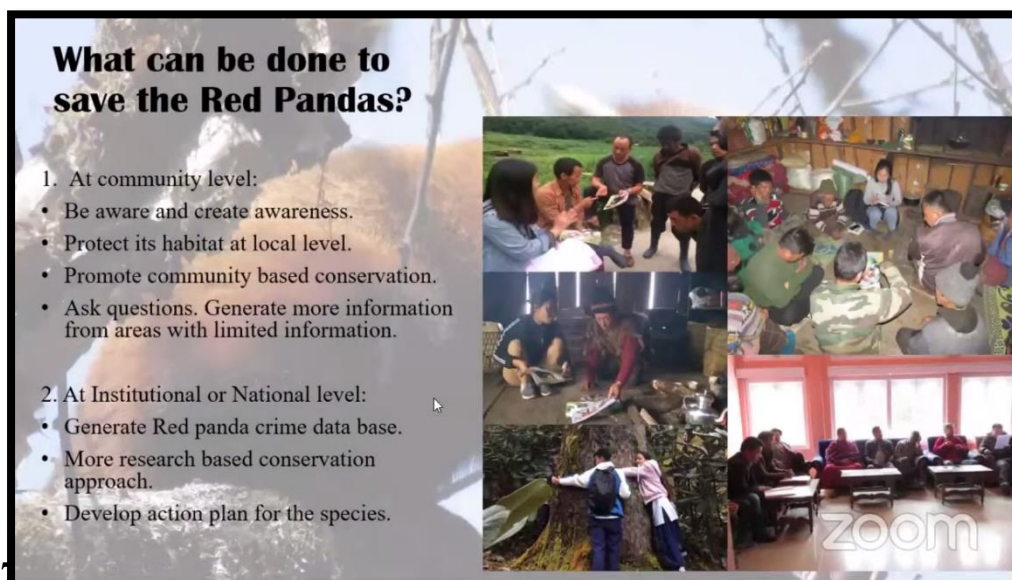
On 18th September 2021 Arunachal Pradesh Science centre scheduled an online webinar on topic “inside the world of RED PANDA and opportunities in the field of wildlife and conservation” to celebrate the “international RED PANDA Day”:

Following were the resource person who graced the event and shared their experience and work on the field of saving and study of Red Panda

1. Aditya Anjuman (young professional, poverty and human development monitoring agency)
2. Chiging Pilia (Research Fellow, Nature Conservation Foundation)
3. Karnik priyansh (Senior Associate, Haqdarshak Empowerment Solution)
4. Tasso Rimung (Researcher and Conservation Educator)



Speakers of the events mainly focused on how we can Save Red panda from Extinction and what small things we can do as a human being.





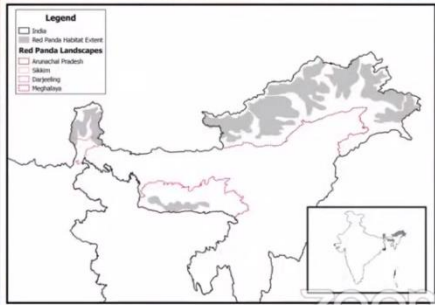
climatically, geographically and because Arunachal Pradesh is majorly covered with vast forest, it IS believed to be best for survival of Red Panda;

Total participants: 51

Why is Arunachal Pradesh important for survival of Red Pandas ?

1. Red Pandas are endemic to the temperate forests of Eastern Himalayas in India.
2. Arunachal is presumed to hold the highest density of Red Pandas in India.
3. Why Arunachal – ?
 - Red Pandas lives in extremely unique habitats,
 - 61.39% of its geographical area are forests
 - Majority of areas are unexplored.

Red Panda range in India



19th September: Air layering/Grafting/propagation of Lemon and Guava



22 September: Hands on Activity on Assembling Solar Lamp Kit & LED Bulb:

The international day of scientific culture- IDSC- is being celebrated every year to highlight the importance of scientific culture today, focusing on activities and institutions that provide ways for people to appreciate science as an important part of their lives.

With this vision and aim of IDSC the mentors of Arunachal Pradesh Science centre organized an outreach program at a remote village Toru under the Papumpare district of Arunachal Pradesh, focusing on the problems the people especially the students sector faces during the night time is constant electricity cut-off, so hands on activity on assembling the solar lamps and LED bulb was organized in which total 40 numbers of students participated. And total 30 numbers of students who stays at hostel and who always face shortage of electricity were provided with solar lamps.

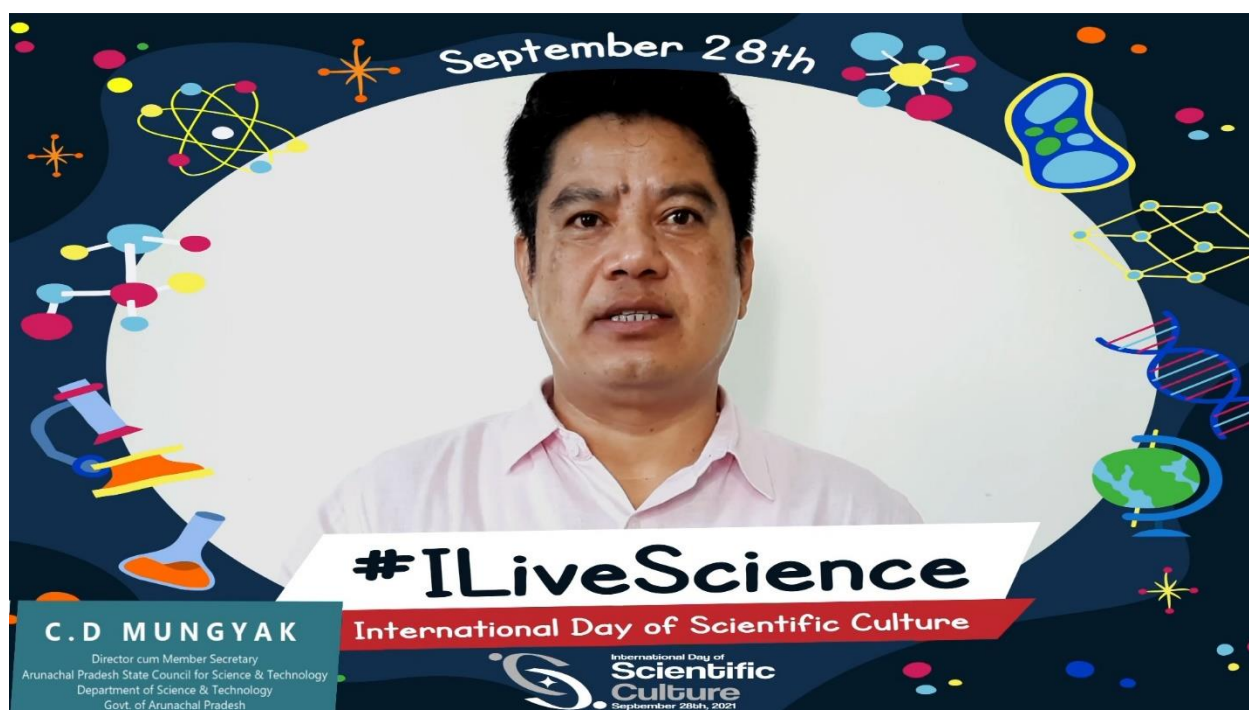


Mentor explaining the working and parts of solar lamp



28th September: Message

On International Day of Scientific Culture Shri. C.D Mungyak Director Cum Member Secretary Of Arunachal Pradesh State Council for Science & Technology, Department of Science & Technology, GOVT of Arunachal Pradesh highlighted about the importance and significance of science in our day-to-day life. The day 28th September every year will be celebrated as International Day of Scientific Culture to mark the anniversary of the launch of the series “cosmos” which is termed as the most influential science outreach program in history.



Individual membership	62
Institutional membership	03

Total Program Participants	:201
General total visitor	:608
Cumulative total visitor	:15477