

Monthly Report of Innovation Hub Arunachal Pradesh Science Centre for January 2020

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

Monitoring Plan for Innovation Hub

"LEGO EV3 ROBOTICS COMPETITION"

7th **January, 2020:** LEGO EV3 Robotic competition was organized on Tuesday by Innovation Hub of Arunachal Pradesh Science Centre under the supervision of Director cum Member Secretary of Arunachal Pradesh State Council for Science and Technology Shri C D Mungyak and Shri Vivek Kumar Curator Arunachal Pradesh Science Centre Arunachal Pradesh to promote innovation, creativity, and engagement in science & technology.

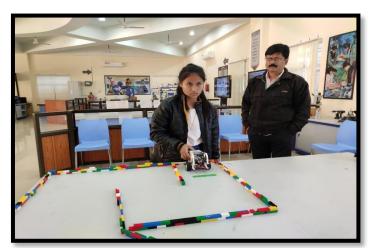
A total of ten participants took part in the competition from different school of the Capital Complex beside two students - Nang Lothina Choupoo and Nang Anuja Namchoom from Namsai district who were selected during awareness program on robotics Track for school level among 100 schools of apparitional Namsai.

The event was organized with an aim to create awareness in robotics, artificial intelligence, concept of programming and to promote innovation, creativity and engagement in science and technology.

The activities included Robotic Sumo Wrestling and Follow the track (Robo Maze).

The winners of the competition would participate in Regional Level Robotic Competition to

be held at Regional Science Centre Guwahati on 21st January 2020.









Participation

SI No.	Name	School	Class
1	Kakam Bagang	GOVT MS Nitivihar	8
2	Mohan Dutta	GOVT MS NitiVihar	8
3	Sanjib Basumatary	GOVT MS NitiVihar	8
4	Diganto Kaman	Guardian Angel School	9
5	Gedam Gamkak	GOVT SS P Sector 9	
6	Nabam Tata	GHSS ESS Sector 9	
7	Manunjit Borgohain	K.V No.2	8
8	Mige Ori	GOVT MS NitiVihar	7
9	Nang Lothini Chowpoo	GHSS Namsai	9
10	Nang Anuja namchoom	GHSS Chogkham	9

Media coverage:







LEGO EV3 Robotic Com- Anuja Namehoom from ness in robotics, artificial petition was organized to- Namsai district who were intelligence concept of proday here at the Innovation selected during the DST gramming and to promote Hub of Arunachal Pradesh Gol supported awareness innovation, creativity and Science Centre, APSCS&T. programme on robotics for engagement in science & school level children in 100 technology among school Technology.

in the competition along tor cum Member Secretary. Maze). with two students Nang APSCS&T C. D. Mungyak

schools among the country's children. The activities dur-A total of 10 participants
Aspirational Districts. The ing the competition were

from different schools of event was organised under Robotic Sumo Wrestling Capital Complex took part the supervision of Direc- and Follow the Track (Robo



"NE ZONAL LEVEL ROBOTIC OLYMPIAD" at GUWAHATI

21th January and 22nd January, 2020: North East ZONAL LEVEL ROBOTIC OLYMPIAD was organized on 21th January and 22nd January, 2020 by Innovation Hub Regional Science Centre Khanapara, Guwahati under the supervision of Shri Manash Deka (Mentor), Smt. Jyotismita Mishra (Mentor) and Shri Ramendra Medhi (Education Officer) Regional Science Centre Guwahati to promote innovation, creativity, and engagement in Science & Technology.

The challenge is to make a robot that helps you to identify bio-degradable and non-bio-degradable materials in your museum. The bio-degradable material will be depicted by a certain colours and non-bio-degradable materials by a single colour. In the task four different colours will be used. Yellow, Blue and Green colours will represent Biodegradable materials and Red colour will represent non-biodegradable materials.

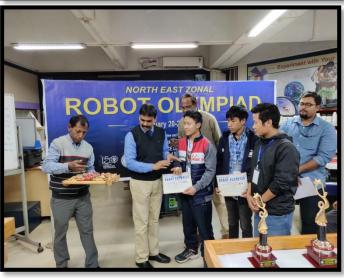
The winner of the Olympiad with 3rd Prize:

Nang Lothine Chowpoo	Govt Higher Secondary School, Namsai
Nang Anuja Namchoom	Govt Higher Secondary School, Chogkham











Participation

SI No.	Name	School	Class
1	Diganto Kaman	Guardian Angel School	9
2	Gedam Gamkak	Govt. SS P Sector	9
3	Nang Lothine Chowpoo	GHSS Namsai	9
4	Nang Anuja namchoom	GHSS Chogkham	9

"STATE LEVEL INNOVATION FESTIVAL"

25th January and 26th January, 2020: STATE LEVEL INNOVATION FESTIVAL two-day long Innovation Festival 2020 organized by A.P. State Council for Science & Technology, Department of Science & Technology on 25th January and 26th January 2020 with partnership with National Innovation Foundation was inaugurated at science centre, IG Park by Science & Technology Secretary Shri Ameya A Abhayankar and Director cum Member Secretary Shri C D Mungyak.

A total number of 55 participants from NERIST, NIT Yupia, and students from VKV Chimpu, Govt. Secondary School, P Sector, Itanagar, Govt. Secondary School Police colony Itanagar, VKV Ziro, Holy Cross School Itanagar, JNV Goju, VKV Tatiagram, VKV Tezu, VKV NEEPCO-Yazali, GIS Dari, and schools from different part of state, Grassroots Innovators, Artesian and Entrepreneurs from Arunachal Pradesh and Assam.

All the participants have shown their satisfaction in respect of the content, delivery and presentations of the topics covered during the program. The two day program witnessed interaction session, technical session and discussion among the innovators and motivation especially in all the educational institutions.

Manak State Level Event was also organized where students stressed upon the use and port to the motivated in the years to come, more innovators would forward to display their creativity and innovations at such events. Arunachal Pradesh Science and Technology Council plans to take such events in different parts of the states and invites all innovators, craftsmen and artisans to come forward and share their work with the council, which will then take it forward appropriately of this festival to provide privately a common platform for grassroots innovators, students, artisans, and entrepreneur from the state to exchange their innovation related activities and Ideas.

The Innovation Festival was comprising of:

- A) Innovation Fair (Innovators)
- B) Student/Teachers Corner
- C) Make it at Science Centre: a) Art b) Sculpture c) Build from Scrap
- D) Robotic Show
- E) Innovative Challenges
- F) Family Science Quiz
- G) Student Science Quiz
- H) Popular Science lecture on "Opportunities in the field of Biotechnology".
- By Dr. Bula Chaudhury, Senior Scientist in Guwahati Biotech Park.
- I) Workshop on Intellectual Property Right. by Dr. Sanjeev Majumdar,
- Manager, Department of Scientific & Industrial Research, New Delhi.
- I) Idea Contest













List of Prize Winner:

Mr. Rinchin Norbu Granchidar	Shergaon, West Kemeng	(Traditional artifacts and handicrafts)
Mr. HA Tade	NERIST	(Vehicle Data Recording)
Mr. Avang Wangsu	NIT, Yupia	(Water to Electricity)
Mr. Katit Modi	NIT, Yupia	(Multi detector device)
Porbin Ronya	Aalo	(Handicrafts & Artifacts)

List of Participants:

Name	Institution	Email	
Mr. Abdul Hamid Khan Mr. Seraj Ali	Government Secondary School, P Sector, Itanagar	(Light Fidelity)	
Mr. Tanyang Tangu Mr. Lukyu Chinyo Mr. Nehal Borgohain	Government Secondary School, Police Colony, Itanagar	(Accident Prevention Road Safety)	
Mr. Sachin Kumar Mr. Ansh Chaturvedi	Government Secondary School, P Sector, Itanagar	(Earthquake Alarm)	
Mr. Nalo Nalo	VKV, Chimpu	(Traffic Hat)	
Mr. Yukar Nana	VKV, Ziro	(Electricity Connection Warner)	
Mr. Joram Tatum	VKV, Ziro	(Improved Position for Concentration)	
Mr. HA Tade	NERIST	(Vehicle Data Recording)	
Mr. Avang Wangsu	NIT, Yupia	(Water to Electricity)	
Mr. Katit Modi	NIT, Yupia	(Multi detector device)	
Mr. Rinchin Norbu Granchidar	Shergaon, West Kemeng	(Traditional artifacts and handicrafts) 1) Lo Khor Chungni (Mask) Jiwa, Lang, Tak, Yosh, Brug, Pha 2) Wooden Cup Plate & Tray 3) Bamboo Cup 4) Bamboo Bow & Arrow 5) Horn Cup 6) Noodle Maker 7) Spice Grinder 8) Oil Refiner 9) Balance 10) Leather Shoe 11) Lo Khor Chungni (Mask) Brui, Tai, Lug, Kriu, Jah, Khee,	
Shri Liagi Baht	Ziro		

Dr. Temin Payum	Pasighat	(Ecofriendly home and care products) 1) Herbal Soap 2) Dish Washing Bar 3) Body Wash 4) Face Wash 5) Face Pack 6) Charcoal Soap 7) Hair Oil 8) Shampoo 9) Moisturizer 10) Antiseptic Lotion
Shri Bhabesh Das	Assam	(Solar Based mobile sprayer)
Shri Lahar Jyoti Das	Assam	(Smart Dustbin)
NDRF		(National Disaster Management Response Team)
Miss. Pill Yoyum	Yazali	(Nature Boon Herbal soap and skin care) 1) Glycerin Soap (Neem, Licorice) 2) Orange Peel Powder 3) Body Scrub (Pink Salt) 4) Body Scrub (Coffee) 5) Epsom Salt Body Soaks 6) Body Butter 7) Infused Oil 8) Glycerin Soap (Ange, Oatmeal)
Mr. Biswajit Mitra	Lohit	(Water Converter)
Mr. Aman Yadav	NIOS	(Deep learning for medical image and classification)
Heri Riza, Ezabella Doso, Dolang Missika	Holy Cross Higher Secondary School	
Ananya Ketti	Holy Cross Higher Secondary School	
Anzela Duia, Takhe Kaku	Holy Cross Higher Secondary School	
Aditya Kumar Tripathi	Holy Cross Higher Secondary School	
Rishi Baruah	Holy Cross Higher Secondary School	
Tannu Kino, Deter Boje, Jaya Pinda, Kipa Sai	Holy Cross Higher Secondary School	
Christina Koyu, Pura Kapio, Jyoti Samchung, Naomi Jugli	Holy Cross Higher Secondary School	
Khomhun Khomrang	J. N .V Goju	(Bottel Water heater)
Adam Wanghu	J. N .V Goju	(Fist Aid Atm)
Gegur Paloh	J. N .V Goju	(Wash Basin Cum Flush tank)
Km. Lipika Thalai	V.K.V,School Tafragam	(Mirror in turning)

Km. Bombina Bam	V.K.V,School	(Modified solar cooker)
	Tafragam	
Sanjiv Kr Behera	VKV, Tezu	(Vaccum Cleaner)
Techi Nancy	V.K.V, NEEPCO,	(Umbrella Bag)
	Yazali	
Karge Basar	Govt. Higher Secondary School	(Eco Friendly Home)
Porbin Ronya	Aalo	(Handicrafts & Artifacts) 1) Tortoise key chain and Book mark 2) He & She Bunny 3) Crochet Doll 4) Doremon 5) Bunny Curtain Tieups 6) Toothless the Dragon 7) Crochet Cactus 8) Pikachu 9) Captain America 10) Wonder Woman 11) Arunasol Man 12) Hulk 13) Long Ear Bunny 14) Sponge Bob 15) Garfield 16) Giraffe 17) Lion 18) Bear 19) Spiderman 20) Santa clause 21) Horn Bunny 22) Snowman 23) Elsa and Anna

New Members:

ID	Student Name	Date of Birth	Gender	School/College	Class	Phone Number
APSC/IH-	Kirtan		М	NERIST	Engineering	
0029	Konwar	04/07/1998			(Final Year)	8794436845
APSC/IH-	Charu		М	Govt		
0030	Jagu	02/02/2000		Polytechnic,	Diploma	7085220364
				Itanagar		

Individual membership	30
Institutional membership	03

Visitors State Level Innovation Festival (Free): 5000
Free Visitors During Robotics Competition (Free): 400
Cumulative total visitor: 6732