

State Level Science, Mathematics and Environment Exhibition, 2018, Assam

A Report

Venue :SreemantaSankaradevaKalakshetra, Panjabari, Guwahati

Date :29thJanuary to 31stJanuary, 2018

Organized by:State Council of Education Research and Training, Assam in collaboration with National Council of Educational Research and Training, New Delhi

Opening of the Camp

Registration of the participating students and guide teachers from different districts arrived for participation in the 29th State Level Science, Mathematics and Environment Exhibition started on 28-01-2018. The camp of the exhibition was opened by Dr. Nirada Devi, the Director, SCERT, Assam on that evening.

DAY – I (29-01-2018) (Monday)

The 3 day 29th State Level Science, Mathematics and Environment Exhibition, 2018 was organized in collaboration with NCERT, New Delhi in Sreemanta Sankaradeva Kalakshetra, Panjabari, Guwahati-22.

Inauguration

Shri Preetom Saikia, IAS, Commissioner and Secretary to the Govt. of Assam, Elementary Education Department, Dispur as Chief Guest, Prof. Dinesh Kumar, HOD, Department of Science and Mathematics, NCERT, Prof. Abani Kumar Bhagawati, HOD, Department of Geography, Gauhati University, Prof. Arup Kumar Mishra, Director, ASTEC, Guwahati and Dr. D. D. Ozha, Former Head, Chemical Laboratory, GWD, Jodhpur were present in the inaugural function. On the outset of the inaugural ceremony, the dignitaries were felicitated with Phulam Gamosa and a bouquet of flowers. The Director, SCERT, Assam welcomed the dignitaries, the participating students and the teachers present in the meeting and said that-

- This is the right age of the children to have dream and see every things with curiosity.
- Inquisitiveness of our student is very much important. Student should learn to observe things with inquisitiveness.
- The future development of the nation rests on the dream of the children. The development of our nation is depending on the right use of the resources available in the nature of the country.
- The new generation has the responsibility to go in the right direction and to point out the wrong deeds of the society and to bring a movement for right use and process of the natural resources and the environment.
- This is an opportunity for the children to have interaction with the resource persons during these three days and also with the students and teachers of different districts of Assam. The experience that students will gather during these 3 days will be helpful in their future life to lead the country.

Dr. Sajida Begum, coordinator of the exhibition explained the objectives of the inaugural function as follows-

Students are always curious by nature. Emphasis is being given for development of inquisitiveness, innovative thinking, creativity in children through activity, observation and experimentation, projects, etc. Organization of Science Exhibition is one measure for improvement of these types of qualities of the students. The sole purpose of this exhibition is to develop their inquisitiveness, to build the scientific temperament in them and to give opportunity to divulge their creativity and innovative ideas. It will be helpful to solve the day to day problem with the help of Science and Mathematics, to make the students' perception about the man-made and natural challenges and role of science and technology in generating awareness about environment and to invoke the students to devise innovative techniques for lessening the environmental problems. This time the 29th State Level Science, Mathematics and Environmental Science exhibition has been organized like the earlier years in collaboration with NCERT, New Delhi. Altogether 12 districts namely Chirang, Barpeta, Kamrup (R), Kamrup Metro, Nagaon, Jorhat, Golaghat, Biswanath, Majuli, Tinsukia, Lakhimpur and Odalguri has taken part in the exhibition. The selected students will get an opportunity to participate in the Jawaharlal Nehru National Science, Mathematics and Environment Exhibition to be organized by National Council of Educational Research and Training, New Delhi. She said that in addition to the exhibition, Quiz competition, Extempore Speech, Art competition and a cultural function will also be organized during these days. A souvenir will also be released. She expected cooperation from all the students and the guide teachers.

Opening of the Exhibition and release of Souvenir "Paramanu"

After lighting the lamp by Shri Preetom Saikia, IAS, Commissioner and Secretary to the Govt. of Assam, Elementary Education Department inaugurated the Exhibition a Souvenir "Paramanu" was released.

In his speech the Chief Guests Shri Preetom Saikia, Commissioner and Secretary to the Govt. of Assam, Elementary Education Department, Dispur said that the students from Class VI to Class X have participated in the exhibition from different districts across the state with varieties of Models. In the exhibition the best model will be selected for participation in the National level Science, Mathematics and Environment Exhibition to be held on November, 2018 in New Delhi. Students should have a scientific mind and their creation or invention should be pollution free. Our students should emphasize on their creation minutely

so that their model would be adorned at the National Level and also gain recognition as patent for future projects.

Speech of Dr. Dinesh Kumar, HOD, Science and Mathematics, NCERT

The main function of the department of Science and Mathematics, NCERT is the development of textbook, development of curriculum and curricular material, ancillary support material including the laboratory material and training material for teachers. One of the activities is to organize exhibition. This endeavor of NCERT started in 1971 aims to explore the student's capabilities beyond the school classroom. Because some children think about some issues related to their society, their living and for the state which are connected to science and technology. In the year 2018, the 45th National Science Exhibition is going to be organized. The component of innovation is one of the most important parameter of quality education of Science Mathematics. The scientific temperament has to be inculcated right from the beginning of the school days. It is the duty of the teacher to identify those children who think out of the box. Teachers should be cautious to identify the thoughts of the children and convert it into model for best representation. Teachers should not impose their thinking on their children rather they should be allowed to think in their own way. The entire existing school system is killing the curiosity and innovation of the students. Children should be allowed to speak on their problems and issues and should be encouraged to find solutions from their own and not from the readymade solutions they get from different sources like in Google or any other search engine from the Internet. Communication is considered as the most important skill. Local language needs to be promoted as children initially think in their local language.

Speech of Prof. Abani Kumar Bhagawati, HOD, Department of Geography, Gauhati University

The earth is still very beautiful and it is the duty of the students to make it beautiful for future. The children have to make the world beautiful. There are many nations in the world and each nation has made arrangements beautifully to make compatible for human life. Every child should know the history of the world and history of human. The model exhibited by the students has a great relation with the history of world and the history of human civilization. Without knowing the history it is difficult to build the present and dream about the future. Due to population explosion the carrying capacity of the world has been crossed. Use of technology increases the carrying capacity and enhances the productivity also. Desertification has been increased due to manmade system. Tropical rain forests, marshy

areas and the forest land are reducing. These pose problems to human race and if it is not reformed, then the relation between the man and the nature will be destroyed. The effect of these factors has increased the Global Warming and as a result some subsidiary adverse effects are falling in the environment. All the development would be in vain unless it is conducive for human life. Due to advent of multimedia, knowledge of students has been increased but it is a matter of consideration whether understanding and perception level has been improved or not. Our perception must make us responsible. Otherwise reaching the expected output for making the earth beautiful will be a riddle. From now onwards we all have to renovate the earth. If necessary, we have to transform the technology detrimental to the nature. We should do something for preservation of our locality. Everybody should learn from the environment around us and provide protection to our environment. The children have to take responsibility to make a vigorous environment and should be cautious towards utilization of resources. We should not waste our resources. Substantial development is required in favour of the environment from men. It should be a unified effort of all to make this world beautiful with a new vision.

Speech of Prof. Arup Kumar Mishra, Director, ASTEC

Prof. A. K. Mishra supported the lecture of Prof. Abani Kumar Bhagawati and stress upon the out of box thinking of the students. Methane Gas is very harmful which is increasing due to industrialization and technology. Population explosion is a great factor for increasing Global warming which causes melting of ice. We should ponder over these kinds of issues. Innovation is very critical and not everyone has an innovative mind but one can definitely learn to inculcate new ideas. IT revolution affects the innovative minds of the students because for any query they take shelter from Google and think less from their own. Communication of common people on Science and Mathematics is an essential area for popularization of Science. Students are appealed to proceed with a scientific mind. Every person should have a scientific temper. Seeing is not believing every time. Science is not the textbook, it is everywhere. Cooperation is important than competition. Students should try to find out the eternal truth without any manipulation.

Speech of Dr. D. D. Ozha, Former Head, Chemical Laboratory, GWD, Jodhpur

Dr. D. D. Ozha delivered his lecture on necessity of water. Scientific notions have to be developed in the local languages for generating awareness. Water is necessary for maintaining our good health. He explained how water helps us maintaining our health and environment and also he talked about the hydrotherapy.

After the lecture of D. D. Ozha, the meeting of inauguration was winded up with a vote of thanks from Sanjib Kakati, Joint Director, SCERT, Jorhat Campus.

Opening the Exhibition

The stall of the exhibition was opened by Prof. Dinesh Kumar, NCERT, New Delhi in presence of the other dignitaries. The students were directed to remain in their respective stalls. The Resource Persons observed the models and interacted with the students.

Main theme of the Exhibition: Innovation for Sustainable Development

Sub-themes of the Exhibition

The State Level Science Exhibition, 2018 has 6 sub-themes. These are-

- 1) Health and Well being
- 2) Resource Management and Food Security
- 3) Waste Management and Water Body Conservation
- 4) Transportation and Communication
- 5) Digital and Technological Solution
- 6) Mathematical Modeling

Participation

The schools from 15 districts and 160 students with 64 guide teacher took participation in the exhibition. Altogether 72 models were exhibited in the exhibition. The list of the names of the students, schools, models, districts etc. are enclosed at the end of the report.

Quiz Competition

In the afternoon a Quiz competition was conducted among the students. A good number of students took part in the competition. The entire competition was led by Sri Bishal Pratim Nath as the Quiz Master.

DAY – II (30-01-2018) (Tuesday)

Seminar on “Digital Transaction: Promises and Challenges”

In the morning, a seminar on “Digital Transaction: Promises and Challenges” was organized. Sri Nurul Laskar, Public Relation Officer (Retd), State Bank of India was the Resource Person of the seminar. While interacting cordially with the students, he explained that –

The digital origination of digital transaction was started long before but it got momentum in India after November, 2016 i.e. after declaration of de-monetization by the Prime Minister of India. Now-a-days any kind of transaction can be done in digital mode, but there must be a bank account. The aim of the digitization was to stop the black money and non-payer of tax of the country. Printing of paper requires huge amount of trees. Digital transaction saves our trees for maintaining the environment. It reduces corruption. It can resist providing money to the extremist. Digital transaction has a lot of advantages. We can pay bills from our mobile phones at home, purchase articles from different agencies paying in advance. We can give order for procurement. Of course we must have knowledge for operation of android/windows/mac mobile phone. On the other hand we also have to be cautious from fraud. We should not believe on any call/messages/e-mails who asks about our account number, PIN number, etc. We must have arrangement of internet facility even in rural areas. Using of ATM is not digital transaction but automated only. Digital transaction is fully transparent. We should promote our backward classes toward digitization.

After the deliberation he organized a panel discussion in the dais with the students on digital transaction. Now-a-days we will have all information in Adhaar Card. He also mentioned about the Credit Card, Debit Card and its utility. All Govt. services will be e-connected. Lectures or talks can be organized at the school level for awareness. In the panel discussion one of the students requested that the language used in digital transaction, should be in regional language also as most of the people especially rural people do not know English. To enter in the cyber world we have to follow the cyber security norms and standard. We should change password of our account frequently.

Extempore Speech:

In the afternoon an Extempore Speech competition was organized among the students on the topics related to the exhibition. Three best participants were selected for award.

Cultural function:

In the evening, a cultural program was arranged. Students performed colourful dances, sang songs, performed dramas, etc. The staffs of SCERT, Assam also joined in the function. Photographs of few moments have been given at the end.

DAY – III (31-12-2017) (Wednesday)

The day's activity started as per the scheduled time.

Art Competition:

In the morning an Art competition was conducted among the students. A good number of students took part in the competition. Sri Gunabhi Ram Borah, Artist, SCERT, Assam was the judge of the competition. The competition was held in two groups. Group A from Class VI to VIII and Group B from Class IX to XII. Out of the participant students, 3 best students from each group were selected for conferring the prizes.

Field Trip:

As a part of the exhibition, an exposure visit was planned and students were brought for a local trip to "Regional Science Centre" located in Khanapara, Guwahati for observing some model of scientific invention and technique of Science.

Valediction Ceremony

In the valedictory function Dr. Nirada Devi, Director, SCERT, Assam, Smti Bharati Phukan, Academic Officer, SEBA (Retd) and Dr. Utpal Nath, jury members for selection of the model, Dr. Sushmita Sutradhar Das, Deputy Director, SCERT, Assam were present.

The Director, SCERT, Assam appreciated all the teachers and students for making the exhibition a successful one. She said that-

- The selected students will get an opportunity to participate in the National level Science, Mathematics and Environment exhibition to be held in New Delhi.
- Selected students should try to learn more on the concept and improve it further more before participation at the national level exhibition.
- As the exhibition is organized annually, the teachers should take initiative in the beginning of the year.
- This type of competition should be held in school, among the school in the block level and district level.
- Receiving prize is not the matter, participation is very important. Participating in exhibitions the students can learn more by way of sharing with the other students and also listening to the talks of the resource persons.
- Teachers should guide the students to give shape to their thinking into the model.
- Assam will be able to receive the award in the National Level Exhibition.
- A workshop to be organized for improvement of the selected models.

Proceeding of the Coordinator:

Dr. Sajida Begum, spelt out at a glance the proceeding of the activities of the last three days of the exhibition.

Speech from the dignitaries:

Smti Bharati Phukan, Academic Officer, SEBA (Retd), Judge for selection of model in her speech said that the teachers and the students have tried to reflect their ideas and thinking in the models. The models should be prepared as far as possible from the low cost and no cost material into our daily useable material. The models should bring out innovative ideas. We should encourage the students. This is an opportunity to go one step ahead. On the basis of this experience students will be able to gather the next experience.

In his speech Dr. Utpal Nath, Assistant Professor, Assam Engineering College, Judge for selection of model said that during the selection of model 10 areas are considered like the way of presentation, innovative ideas behind the model etc. Water conservation is an important area to give emphasis on. He appreciated the stride taken by SCERT, Assam for generating scientific temperament among the students by organizing this type of exhibition.

Comments of Teacher:

The guide teachers participated in the exhibition extended their comments and applauded the stride taken by SCERT, Assam for attracting students towards science and inculcating scientific temperament among the students. They avow that the exhibition will boost up the students to think for a new horizon for the prosperity of the nation. They expected and also requested SCERT, Assam to bring forward these types of activities. It will be an addendum of steps to bring forward the talents from the rural and backward areas of the State. The comments of judges and dignitaries will also help the students to improve their models and to develop their attitude towards science.

Selection of Models displayed by Students:

The models of the exhibition were observed by the jury comprised of four (4) no. of judges for selection. They are – Dr. Kula Ranjan Deka, Principal, DIET, Barpeta, Smti Bharati Phukan, Academic Officer, SEBA(Retd) and Dr. Utpal Nath, Assistant Professor, Department of Chemistry, Assam Engineering College and Arati Bhattacharyya, Academic Officer, SEBA (Retd). Three models from each sub theme were selected for sending to NCERT, New Delhi for selection in the Jawaharlal Nehru National Science, Mathematics and Environment Exhibition to be organized by National Council of Educational Research and Training, New Delhi. The sub theme wise selected models and names of students are as follows –

Sub-theme	Position	Name of the Students	Class	Schools	Name of Model	District
Health and Well Being	1 st	Chandril M. Das	VIII	Maharishi Vidya Mandir Sr. Secondary School	Power generating chair	Kamrup (M)
	2 nd	Dimpol Dutta & Chitra Kurmi	VIII	Pragoti Middle English School	Developed system of traditional banana ripping	Jorhat
	3 rd	Mohar Daimary & Gwrwbtha Brahman	X	Barobazar High School	Swaccha Bharat	Udalguri
Resource Management and Food Security	1 st	Pankaj Barah Rose Rani Borah	IX	Pichalaguri H.S. School	Electricity generation and its distribution in a village	Lakhimpur
	2 nd	Niharika Deuri & Sasanka Shekhar Haloi	IX	Orient Academy	Food Preservation through Natural Technology	Lakhimpur
	3 rd	Jesmin Khan & Suman Begum	IX	K.R.B. Girls H.S. School	Rain water harvesting	Kamrup (M)
Waste Management and water body conservation	1 st	Nabajyoti Bordoloi & Chiranjib Sarma	IX	Pakadoli High School	Conversion of railway toilet waste into organic fertilizer	Darrang
	2 nd	Avinash Saikia & Darshan Bhattacharya	VII	Maharishi Bidya Mandir Sr. Secy. School	Making paper from sugarcane remains using binder	Kamrup (M)
	2 nd	Kaspur Kandu		Biswanath Gyan Bharati, Madhur	The Future city	Biswanath Chariali
	3 rd	Anamika Payeng	VIII	Deodia Ati Senior Basic School	Use of dallgrass for making materials	Majuli

Transportation and Communication	1 st	Javed Akhtar & Mahibul Islam	IX	Central public school, Patharkandi	Traffic management system in hilly region	Karimganj
	2 nd	Mayanjyoti Gogoi & Uddipta Moran	X	Gangabison Chukhani H. S. School, Makum	Intelligent Traffic control system	Tinsukia
	3 rd	Chinmoy Deka	X	AKHS Institution (North Guwahati)	Robo car- X	Kamrup (M)
Digital and Technological solution	1 st	Daniyal Martin &		Pathsaha Public School	Sustainable development of sound energy to produce electricity	Barpeta
	2 nd	Anwasha Hazarika & Niranjana Gogoi	VII	Pragati M.E. School	Science and Technology in protection against wild elephant	Jorhat
	2 nd	Kaustav Moni Nath		Kachari Mahal High School	An Electric circuit for Physically Handicapped	Kamrup (R)
	3 rd	Tukunoni Sai kia & Sneha Priyan Borah	X	Auniati Hemchandra H.S. School	Artificial legs	Majuli
Mathematical Modeling	1 st	Mashuk Ahmed & Rinki Deka	X	Gopal Boro H. S. School	Posrol triangle	Kamrup (M)
	2 nd	Mrinmoy Sonowal & Uday Thapa	VIII	Mechaki M.E. School, Saikhowaghat	Upgraded Geo Board for Mathematical activities	Tinsukia
	3 rd	Ankita S. Bordoloi & Momi Deka	VIII	Maharishi Sr. Secondary School	Importance of Mathematics in sports	Kamrup (M)

In addition to this, the students who were selected in Quiz, Art, Ex-tempore Speech competition were also conferred trophy.

Extempore Speech

Position	Name of the Students	Name of the School
First (1 st)	Kunal Dibya Phukan	Maharishi Bidhya Mandir School (Air Pollution)
Second (2 nd)	Antariksh Sarma	MVM Borsojai (Balanced Diet)
Third (3 rd)	Niharika Deuri	Orien Academy Lakhimpur (Digitalization) Class VIII

Art Competition

Group-A (Class- VI-VIII)

Subject : A forestation and conservation of nature

Position	Name of the Students	Name of the School
First (1 st)	Miss Karishma Saikia	Pichala National Academy, Class-VII, Dist : Lakhimpur
Second (2 nd)	Adarsha Dutta	Maharishi Vidya Mandir, District : Kamrup (M), Class-IV
Third (3 rd)	Jaydeep Das	Maharishi Vidya Mandir, Barsajai, Lalmati, District : Kamrup (M)

Group-B (Class- IX-XII)

Subject : Effect of Global Warming in Nature

Position	Name of the Students	Name of the School
First (1 st)	Samudra Kashyap Saikia	New Guwahati Adarsha High School Dist : Kamrup (M)
Second (2 nd)	Iishnujyoti Chetia	Town High School, Margherita District : Tinsukia
Third (3 rd)	Dilruba Saikia	Gopal Boro H. S. School District : Kamrup (M)

Quiz Competition

Position	Name of the Students	Name of the School
First (1 st)	Daniyal Martin	Pathsala Public School, Class-IX , Dist : Barpeta
	Prabin Kr. Barman	Class-XI, Birjhora H. S. School
Second (2 nd)	Mashuk Ahmed	Gopal Boro H. S. School
	Rinki Deka	Class-X District : Kamrup (M)

The exhibition was wined up after delivering a valuable and encouraging speech with vote of thanks offered by Dr. Sushmita Sutradhar Das, Deputy Director, SCERT, Assam.

Few Moments of the Exhibition



29th State Level Science, Mathematics and Environment Exhibition, 2018



Shri Preetom Saikia, IAS, Commissioner and Secretary to the Govt. of Assam, Elementary Education Department, Dispur lighting the lamp of the exhibition



Shri Preetom Saikia, IAS, Commissioner and Secretary to the Govt. of Assam, Elementary Education Department, Dispur delivering his inaugural speech



Dr. Nirada Devi, Director, SCERT, Assam delivering welcome address



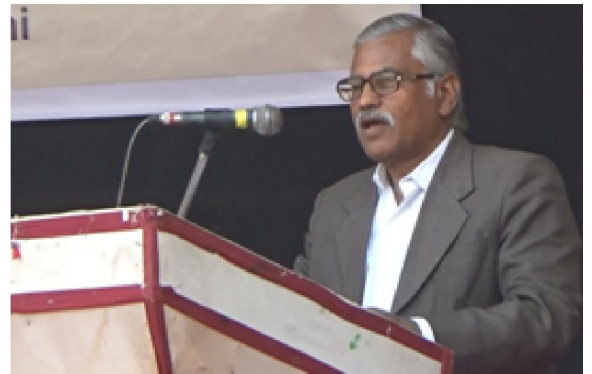
Dr. Sajida Begum, Deputy Director, SCERT, Assam explaining the objective of the exhibition



Shri Preetom Saikia, IAS, Commissioner and Secretary to the Govt. of Assam, Elementary Education Department, Dispur releasing the Souvenir "Paramanu" in presence of the dignitaries.



Speech of Dr. Dinesh Kumar, HOD, Department of Science and Mathematics, NCERT, New Delhi



Prof. Abani Kumar Bhagawati, Prof. Gauhati University delivering speech in the inaugural function



Speech of Prof. Arup Kumar Mishra, Director, ASTEC, Guwhati



Speech of Prof. D. D. Ozha,



The stall of the exhibition is inaugurated by the dignitaries



Resource Person looking at the exhibition



Model Exhibited by Students



Model Exhibited by Students



Model Exhibited by Students



Model Exhibited by Students



Model Exhibited by Students



Model Exhibited by Students



Model Exhibited by Students



Model Exhibited by Students



Model Exhibited by Students



Model Exhibited by Students



Judge looking at the models



Judge looking at the models



Judge looking at the models



Judge looking at the models



Resource Person interacting with the students in the Seminar



Students at the cultural programme



Students at the cultural programme



Students at the cultural programme



Students in the participating in Quiz Competition



Students taking part in Art competition



Student participating in Extempore Speech



Students are on exposure visit to "Regional Science Centre", Khanapara, Guwahati



Director, SCERT, Assam distributing the prize among the students



Director, SCERT, Assam distributing the prize among the students

List of Sub-Themewise names of Participants, Name of the School, Model they exhibited and Districts

Sub Theme: Transport and Communication

District	Sl. No	Name of Student	Name of School	Class	Name of Model
Kamrup(M)	1	Chinmoy Deka	A.K.H.S Institution (North Guwahati)	X	RoBo Car X
Chirang	2	Jaskim Basumatry	Tukrajhar H.S.School	IX	Smart Road System
	3	Rostami Basumatary	Tukrajhar H.S.School	IX	Smart Road System
Bongaigaon	4	Bikram Sarkar	Bongaigaon Railway School	XI	Hydraulic Bridge
	5	Arup Mazumdar	Bongaigaon Railway School	XI	Hydraulic Bridge
Lakhimpur	6	Parag Bora	Pichala National Academy		Solar energy based running boat
	7	Pradumnya Bora			
Tinsukia	8	Nayan Jyoti Gogoi	Gangabison Chukhani H.S. School, Makum	X	Intelligent Traffic Control System
	9	Udipta Moran			
Karimganj	10	Javed Akhtar	Central Public School, Patherkandi	IX	Traffic Management System in Hilly Reason
	11	Mohibul Islam			

Sub Theme: Health and Well Being

District	Sl. No	Name of Student	Name of School	Class	Name of Model
Bongaigaon	1	Prabin Kumar Barman	Birjhora Higher Secondary School	H.S	Influence of environmental hazards on the brain
	2	Bhupal Barman	Birjhora Higher Secondary School	H.S	Influence of environmental hazards on the brain
Lakhimpur	3	Karishma Saikia	Pichala National Academy	IX	Purification of water
	4	Priyankush Dutta			

Kamrup (Metro)	5	Chandril M. Das	Maharishi Bidya Mandir Sr. Secy. School	VIII	Power generating chair
Tinsukia	6	Tonovi Buragohain	N-Them ME School	VIII	Primary health care facilities through mobile water ambulance
	7	Astomi Gogoi			
Jorhat	8	Chitra Kurmi	Pragoti Middle English School, Namchungi	VIII	Developed system of traditional banana ripping
	9	Dimpol Dutta			
Kamrup (M)	10	Hritik Rochan Das	Gopal Boro H.S School		
	11	Dilruba Saikia			
Udalguri	12	Gwrwbtha Brahma	Baro Bazar High School	X	Swaccha Bharat
	13	Mohar Doimary			
	14	Amrita Barhma		X	Alarm Waste Value
	15	Siya Basumatary			
	16	Gopil Boro			
	17	Dibidsa Brahma		X	Energy Produced by Air
	18	Rajib Daimary			
Majuli	19	Debojani Regon	Deodia Ati Senior Basic School	VIII	Effect of smoking on human health
	20	Sonalika Hazarika			

Sub Theme: Waste Management and Water Body Conservation

District	Sl. No	Name of Student	Name of School	Class	Name of Model
Biswanath Chariali	1	Ayan Angshu Acharya	Biswanath Gyan Bharati, Madhupur	IX	The Future City
	2	Kaspar Kundu	Biswanath Gyan Bharati, Madhupur	IX	The Future City
Lakhimpur	3	Udipta Borah	Kherajkhat Junior College		Conservation of wetland in Kachamari
	4	Kasturi Dutta			

Kamrup	5	Barbi Chaliha	Sudershan Hr. Secy School		Treatment of different types of sewage in Indian Railway
	6	Ankita Ahmed	Sudershan Hr. Secy School		Treatment of different types of sewage in Indian Railway
Kamrup(metro)	7	Avanish Saikia	Maharishi Vidya Mandir Sr.Secy School	VII	Making paper from sugarcane remains using binders
	8	Darshan Bhattacharya	Maharishi Vidya Mandir Sr.Secy School	VII	
Tisukia	9	Rohit Konwar	Pub Sadiya	VII	An apparatus for reducing waste of tubewell
	10	Jyoti Raj Gogoi	M.E.School		
	11	Monisha Talukdar	Sarbajanin Girl's H.S.School	VIII	A working model on organic waste water treatment plant
Tinsukia	12	Krishna Kanta Sonowal	Dangari H.S. School, Tinsukia	X	Multi purpose used of the betel-nut tree and its uses
	13	Kopil Sonowal			
Kamrup (M)	14	Riya Bezbaruah	Gopal Bodo H.S. School	VIII	Waste management by vulture
	15	Mamata Deb Nath			
	16	Barasha Bez Baruah		X	Waste Management
	17	Bhanita Deka		X	
Lakhimpur	18	Yukta Rani Parashar	Ekrit Academy	VII	Preparation of Low Cost Biochar from IPOMOEA CARNEA (Kal mou) weed biomaes of wetland
	19	Priya Parashar			
Darrang	20	Nabajyoti Bordoloi	Pakadoli H.S. School	IX	Conversion of railway toilet's waste into organic
	21	Chiranjib Sarma			
Majuli	22	Anamika Payeng	Deodiaati Senior Basic School	VIII	Use of Dollgras for making material
	23	Pratisksha Borah		VIII	Materials prepared from unbleached materials
	24	Pinki Saikia			

Kamrup (M)	25	Mrigen Barman	Nilachal Jatiya Vidyalaya	VIII	Brick Industry form wastage
	26	Bibek Bora			
	27	Atanu Chakravorty	Railway H.S Maligaon	X	Sewage water treatment
	28	Samiran Nath			
	29	Jyotirmoy Sarma			
	30	Jayanta Bujorbaruah			
Hojai	31	Asif Ali Ashique Iqbal	Ajmal College of Arts, Commerce and Science, Hojai	VI	Sewage water treatment
Kamrup (M)	32	Ankita Prasad	K.R. B. Girls H.S. Bharalumukh	X	Cleaning of Bharalu river water and make it ready for Biodiversity
	33	Indrani Das			
	34	Bivek Rabidas	Adrasha Vidyalaya	VIII	Natural Resource Management in urban areas
	35	Amrit Rajkumar			

Sub Theme: Digital and Technological Solutions

District	Sl. No	Name of Student	Name of School	Class	Name of Model
Tinsukia	1	Chandan Sonowal	Dangari H.S. School, Dangari TSK	X	Night Lamp (Automatic)
	2	Rituraj Sonowal			
Udalguri	3	David Pathak	Arunodoi Academy, Tangla	VIII	Basic Requirement of a house
	4	Rohit Barman			
Lakhimpur	5	Kangkan Jyoti Borah	Pichala Academy	IX	Use of Solar energy in a village
	6	Liza Saikia			
Golaghat	7	Popee Goswami	Dhekial Girl's High School	X	Emergency charging devices
	8	Lakhirani Kalita		IX	
Kamrup	9	Irfan Hussain	Sudershan Hr.Secy School		Innovative City
	10	Ayanabh Saikia	Sudershan Hr.Secy School		Innovative City
Darrang	11	Nabajyoti Bordoloi	Pakadoli High School	VII	Conservation of Railway toilets waste in to organic fertile
	12	Chiranjib Sarma			
	13	Hrishikesh Nath			

	14	Yuv Raj Kashyap	Pakadoli High School	VII	Generation electricity from running train
	15	Hrishikesh Nath			
Tinsukia	16	Jishnu Jyoti Chetia	Town High School Margherita	X	A device for safety campus
	17	Ritupon Hatimuria			
	18	Tridip Barsaikia	Phillobari High School	X	A device for flood indicator
	19	Arun Mahanta			
Jorhat	20	Anwasha Hazarika	Pragoti Middle English School	VIII	Science and Technology in protection against wild elephant
	21	Niranjan Gogoi			
Kamrup	22	Kaustarmoni Nath	Kachari Mahal High School, Modhukuchi, Rangia	IX	An Electric Circuit for Physically Handicapped
	23	Bigrai Boro			
Udalguri	24	Arjun Boro	Borobazar High School	X	Pollution Control
	25	Deepjyoti Boro			
	26	Rohit Boro	Borobazar High School	X	Power Generation by flood control
	27	Moonson Brahma			
Kamrup (M)	28	Nilima Khatun	Gopal Boro H.S School	XI	Rain Harveting
	29	Jobaidullah Hoque			
	30	Nipam Thakuria		X	Harvesting Rain Water for Domestic and other use
	31	Kangkana Boruah		X	
	32	Bhupali Sarmah	Pakadali High School	X	Low cost toilets for flood affected area
	33	Nishamoni Sarma			
Majuli	34	Krishna Kanta Das	Bhakot Chapori High School	X	Span Machine
	35	Gayatri Borah			
	36	Tukunoni Saikia	Auni Ati Hem Chandra H. S. School	X	Artificial legs
	37	Sreha Priya Bora			
	38	Jadumoni Das	Salmora High School	X	Suitable house for flood affected area using simple machine
	39	Sukanya Saikia			

Kamrup (M)	40	Himraj Das	New Guwahati Adarsha H.S. School	IX	Air Cooler
	41	Samudra Kashyap Saikia			
	42	Kunal Dibya Phukan	Maharishi Vidya Mandir, Borsajai	IX	Bit Coin
	43	Rhion Rajkhowa		IX	Potato Paste Battery
	44	Rishiraj Krishan		VIII	Electronic arm (power alternative)
	45	Antariksh Sarmah			
	46	Ashraful Alom	Pandu Adarsha High School, Pandu	X	Gesture Robot Control
47	Abinash Das				
Barpeta	48	Daniyal Marfin	Patwala Public School	IX	Sustainable develop of sound energy produce electricity
Bongaigaon	49	Ankit Mandal	Bongaigaon Railway H. S. School	XI	Future with piezoelectricity

Sub Theme: Resource Management and Food Security

District	Sl. No	Name of Student	Name of School	Class	Name of Model
Lakhimpur	1	Yukta Rani Parashar	Ekrit Academy	VII	Preparation of low cost biochar from Ipomoea Carnea(Kalmou) weed biomass of wetland
	2	Priya Parashar		VII	
	3	Parag Pratim Gogoi	Pichala National Academy	IX	Low cost refrigerator
	4	Pinku Boruah			
Tinsukia	5	Ruhan Sonowal	Laina M.E.School	VII	A method of agricultural practices
	6	Diponjyoti Sonowal			
Karimganj	7	Bivek Rabidas	Adarsha Vidyalaya	VIII	Natural Resource Management in Urban Areas
	8	Amrit Rajkumar			
Lakhimpur	9	Panjal Borah	Pichalaguri H.S. School (Govt. Aided)	IX	Electricity Generation and its Distribution in a Village
	10	Rose Rani Borah			
	11	Niharika Deuri	Orient Academy	IX	Food Preservation through Natural Technique
	12	Sasanka Shekhar Haloi			
Kamrup (M)	13	Sikha Deka	Gopal Boro Govt. H.S. School	X	Food Storage
	14	Akash Roy			

Majuli	15	Sankar Jyoti Regon	Deodia Ati Senior Basic School	VIII	Traditional food prepared by the Mising community from natural resources
	16	Bikash Payeng			
Kamrup (M)	17	Joydeep Das	Maharishi Vidya Mandir, Barsajai, Lalmati	VII	Tesla coil
	18	Adarsha Dutta			
	19	Jasmin Khan	K. R. B. Girls' H. S. School, Bharalumuk	IX	Rain water Harvesting
	20	Suman Begum			
	21	Naju Begum		X	A process to stop landslides
	22	Dimpi Borah			
	23	Trinka Sarkar	Kahilipara High School	X	Sewage Water Management System
	24	Kabita Saha			
	25	Nilina Khatun	Gopal Boro H. S. School	XI	Rain Harvesting
	26	Jobaidullah Hoque			
	27	Nipam Thakuria		X	Harvesting Rain Waters for Domestic other use
28	Kangkana Baruah				

Sub Theme: Mathematical Modelling

District	Sl. No	Name of Student	Name of School	Class	Name of Model
Kamrup (M)	1	Ankita S Bordoloi	Maharishi Bidya Mandir Sr.Secy School	VIII	Importance of Mathematics in sports
Tinsukia	2	Mrinmoy Sonowal	Mechaki ME School, Saikhowaghat	VIII	Upgraded Geo board for Mathematical Activities
	3	Uday Thapa			
Kamrup (M)	4	Masuk Ahmed	Gopal Boro H.S School	X	Pascal Triangle

Documentation :Hemanta Narayan Das, Documentation Officer, SCERT, Assam