




Science Club

St. Edmund's College, Shillong

EdScientia (Science Mela) 2022 Report

1.	Title of the Activity:	Science exhibition, Quiz competition, Debate competition, Photography competition, Arts (Painting & Sketching) competition, School outreach
2.	Date:	21 st and 22 nd October 2022
3.	Venue: (if offline)	St. Edmund's College
4.	Online link (if online)	-
5.	Duration (in hrs)	2 days
6.	Organizing Department/Club	Science Club
7.	Name of the Collaborating Department/Agency	-
8.	Brief Report	Attached
9.	Geotagged Photos only 2-3	Attached
10.	Brochure (Compulsory)	Attached
11.	Feedback (if any)	Attached
12.	Any Social media activities	-
13.	Participants	Attached

NAME OF THE TEACHER INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Dr. D. Syiemiong 	

IQAC OFFICE Only	
IQAC Document No:	
Criterion No:	
Metric No:	
Department File No:	
IQAC File No:	



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The St. Edmund's College's Science Mela, "EdScientia – 2022" was organized by the Science Club in collaboration with the IQAC of the college on the 21st and 22nd of October 2022. The event was funded by the Department of Biotechnology, Ministry of Science & Technology, Government of India, New Delhi, under the DBT-STAR College Scheme. It was successfully organized with the active participation of students from across all streams viz. Science, Arts, Commerce, BCA and Social Work departments.

The Science Mela event included the following activities.

- Science exhibition competition
- Quiz competition
- Debate competition
- Photography competition
- Arts (Painting & Sketching) competition
- School outreach through invitations to witness and participate in the event

The Chief Guest of the event was Prof P.S. Shukla, Vice Chancellor, North Eastern Hill University, Shillong. Former teachers of the college were also invited as special guests for the event and to judge the science exhibition competition. The special guests who attended the event were Dr. S.S. Khatri, a former teacher of St. Edmund's College and currently a faculty in the Department of Physics, NEHU, Shillong, Prof. W. Passah, former Head, Department of Electronics, and Dr. M.C. Paul, former Head, Department of Botany.

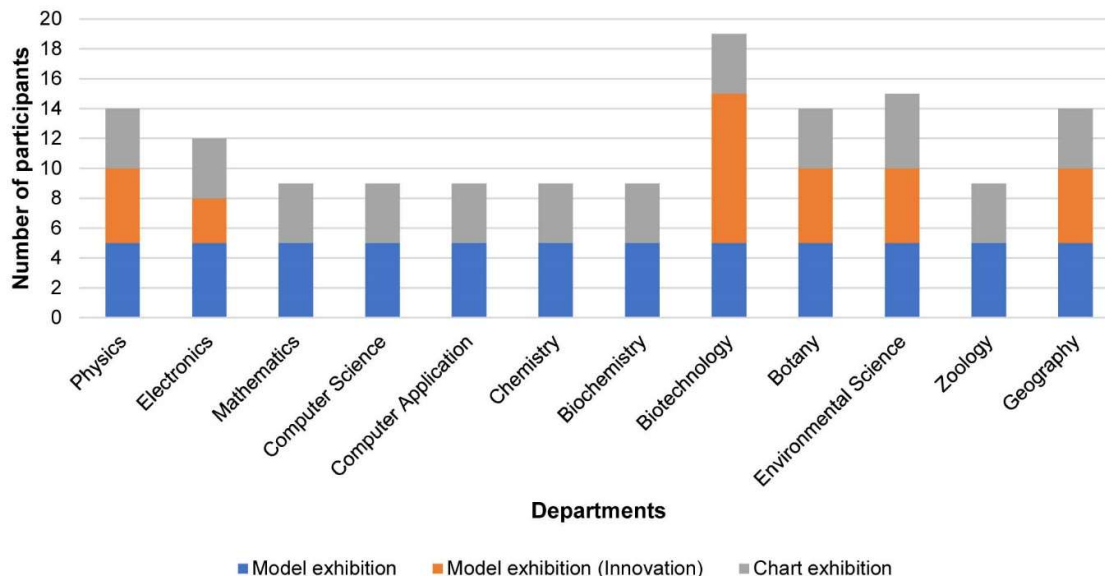
Except for the science exhibition competition, this was the first time that students from all streams were invited to take part in all of the science mela activities, and there was active participation by students from all the twenty departments of the college. The participation of students in the various Science Mela activities is shown in the following graphical representations.



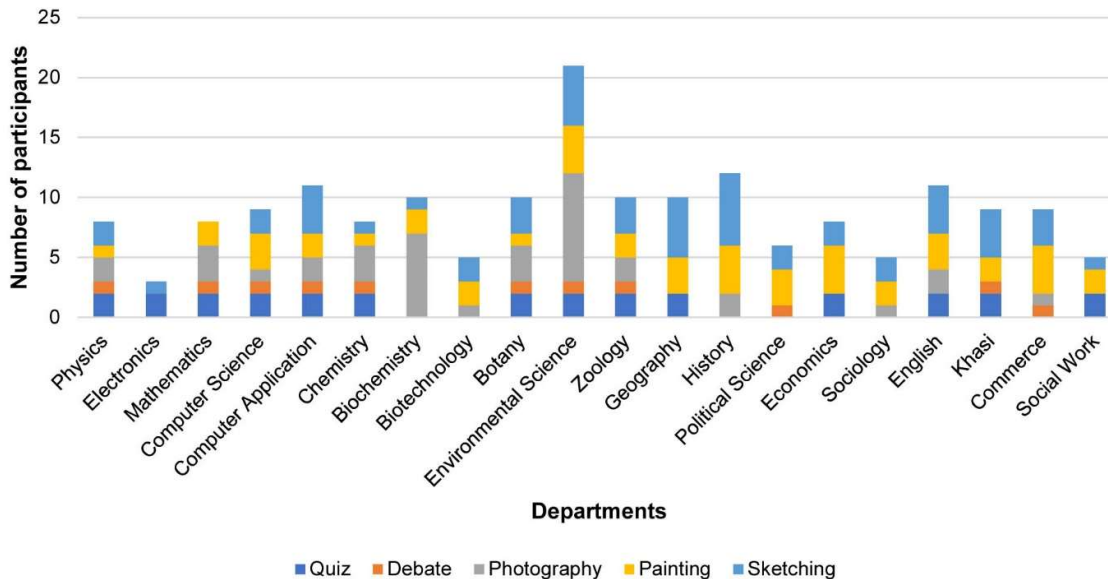
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Student participation in Science Exhibition



Student participation in Science Mela activities other than Science Exhibition





Winners of the Science Exhibition Competition

Category	Award	Department	Title
Model (Physical Science)	1 st prize	Computer Application	Smart City
	2 nd prize	Chemistry	Green & Clean Fuel
	3 rd prize	Geography	Self-sustainable farming technique
Model (Life Science)	1 st prize	Biochemistry	Mitochondria as powerhouses of the cell
	2 nd prize	Zoology	Artificial Womb
	3 rd prize	Biotechnology	Biodiesel from green algae
Model (Physical Science: Innovation)	1 st prize	Physics	Li-Fi
	2 nd prize	Electronics	Smart innovative multi-purpose lighting system
	3 rd prize	Geography	Sustainable development for recycling plastic
Model (Life Science: Innovation)	1 st prize	Biotechnology	Microbial fuel cell
	2 nd prize	Biotechnology	Earthquake detection system
	3 rd prize	Botany	Hydro-Bin
Chart (Physical Science)	1 st prize	Geography	Eco-sensitive zones of Meghalaya
	2 nd prize	Mathematics	Mathematics + Pharmacokinetics
	3 rd prize	Physics	Steps towards sustainability
Chart (Life Science)	1 st prize	Biochemistry	CAR therapy: A new solution for cancer
	2 nd prize	Zoology	The bionic leaf
	3 rd prize	Environmental Science	Tackling fast fashion



Winners of the Quiz Competition

Award	Student	Department
1 st prize	Ayush Vishwakarma Anirban Das	Physics
2 nd prize	Manash Pratim Kaushik Dipankar Das	Chemistry
3 rd prize	Bishwadeep Bhattacharjee Nytoi Yeptomi	Computer Application

Winners of the Debate Competition

Award	Student	Department
Best speaker	Anindita Dev	Political Science
Runners-up	Shreyashi Vedashruti Rishiben Walling	Chemistry Physics
Best team	Anindita Dev Mervyn J Warlarpih	Political Science Mathematics
Most witty/humorous speaker	Govinda Upadhyay	Computer Application

Winners of the Photography Competition

Award	Student	Department
1 st prize	Deepak sharma	English
2 nd prize	Mebanshan Suna	Mathematics
3 rd prize	Aayan Krishna Gogoi	Computer Application

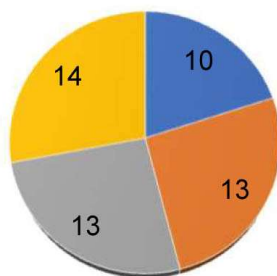


Winners of the Arts Competition

Category	Award	Student	Department
Painting	1 st prize	V.L. Malsawdawngkimi	Sociology
	2 nd prize	Mezibirth J. Sangma	Mathematics
	3 rd prize	Melody Queen Narzary	Computer Application
Sketching	1 st prize	Isamanda Pariat	English
	2 nd prize	Sweety Nath	History
	3 rd prize	Animesh Purkayastha	Physics

As a part of an outreach programme, four schools were invited to witness and participate in the Science Mela activities. Three of the invited schools were from rural areas and one was from the city. The students of these schools visited the science exhibition hall, where they interacted with the college students who were exhibiting their models and charts. They also visited the various science departments to witness the activities of these departments and to learn about the equipment and laboratory facilities of these departments. They participated in the drawing & sketching competition which was specially organized for them, and enjoyed a science & environment-based movie show which was also specially arranged for them. The schools and the number of students who visited the Science Mela event are shown in the following pie-chart.

Number of students from invited schools



- Mawmihthied RMSA Secondary School, Khatarshnong
- Khatar Shnong Presbyterian Jubilee Secondary School, Khrang
- Nangkyrsoi Secondary School, Khrang
- Clear Springs Secondary School, Shillong

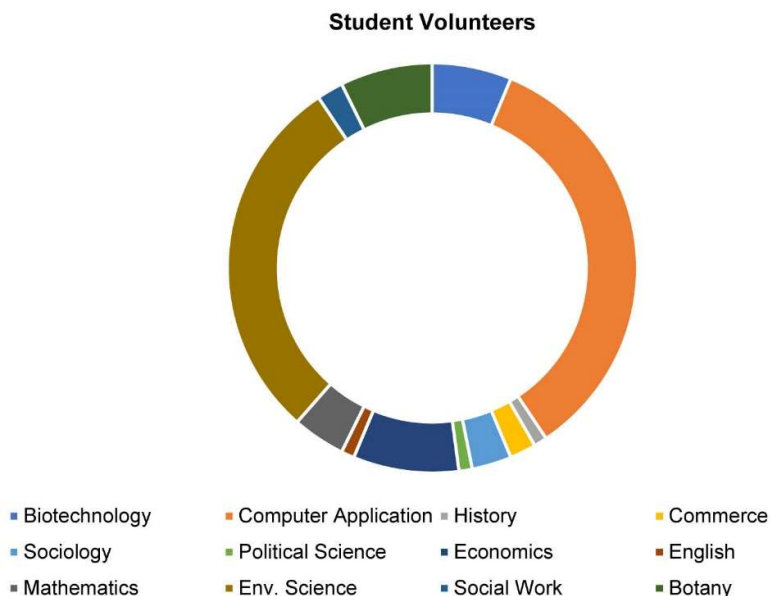


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Ninety-six student volunteers assisted in the successful conduct of the Science Mela event. They have come forward in their assistance from twelve different departments comprising science, arts, commerce, BCA and social work departments. The proportion of student volunteers and their departments is shown in the following doughnut chart.

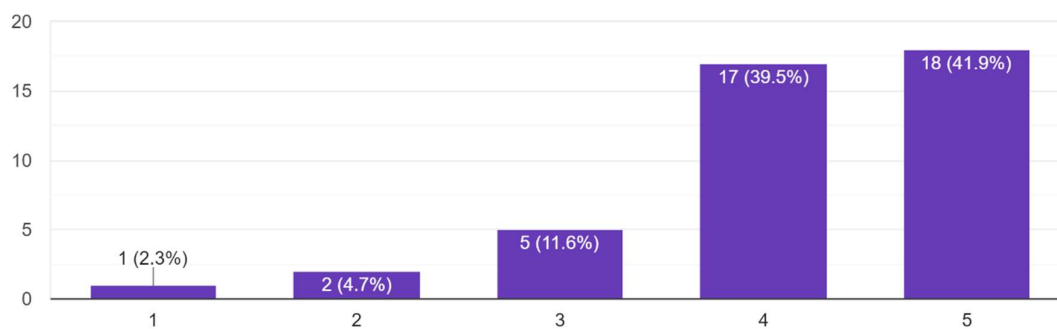


Feedback

Based on the feedback responses from the students and teachers, the Science Mela event was highly successful and a number of suggestions were also given by the respondents.

How satisfied were you with the Science Mela event?

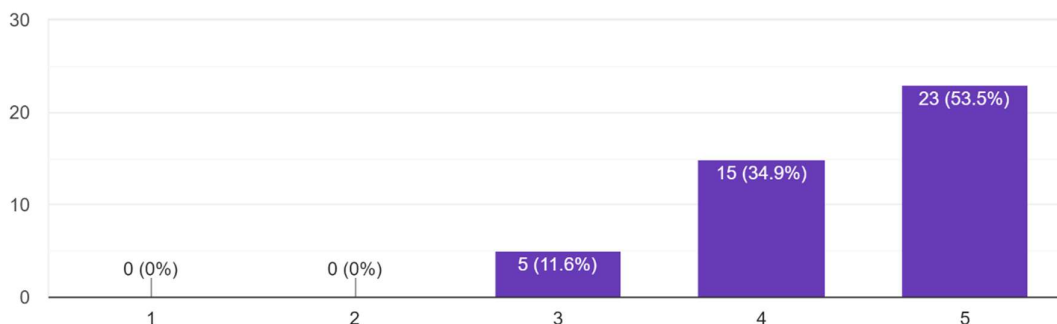
43 responses





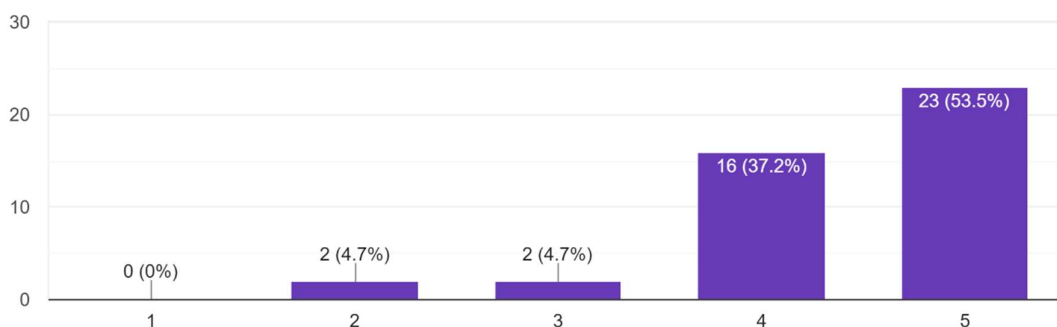
How relevant is the event for your development of scientific temperament?

43 responses



Did the Science Mela event helped you in better understanding scientific knowledge and concepts?

43 responses



What benefits did you gain from this event?

A few selected answers have been given here.

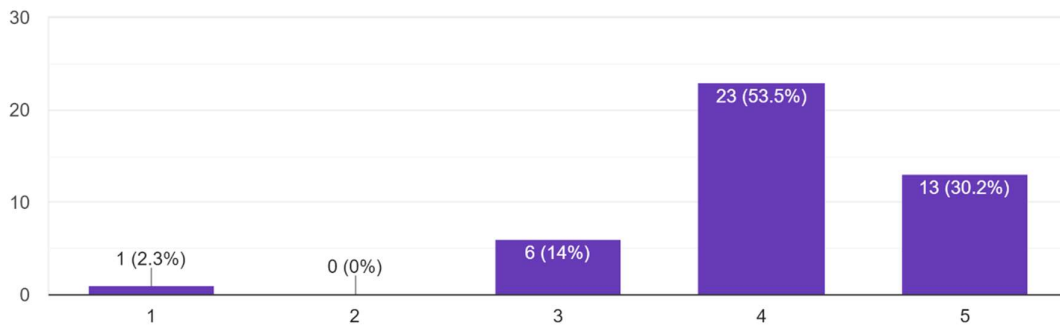
- New idea's and innovative information were gained by the students.
- Getting new creative ideas
- Exposure to new applications
- It helped broadened my understanding to scientific concepts and ideas
- It helped me to understand that there's a lot things i don't know and it showed me how to tackle different things
- About how to improve our lifestyle with the help of science and technology
- I gain confidence



- Teamwork, Goal setting, New knowledge
- I've learned a lot and got so many ideas from many charts and models
- Experience and sharing of knowledge
- I have got some new information/ knowledge through the charts and models.
- Concepts in other area like physics, electronics, computer science etc
- Got knowledge regarding topics to which i was unaware .
- Improvement in communication and explanation skills and expansion of my knowledge barrier in science
- Get to learn different scientific knowledge

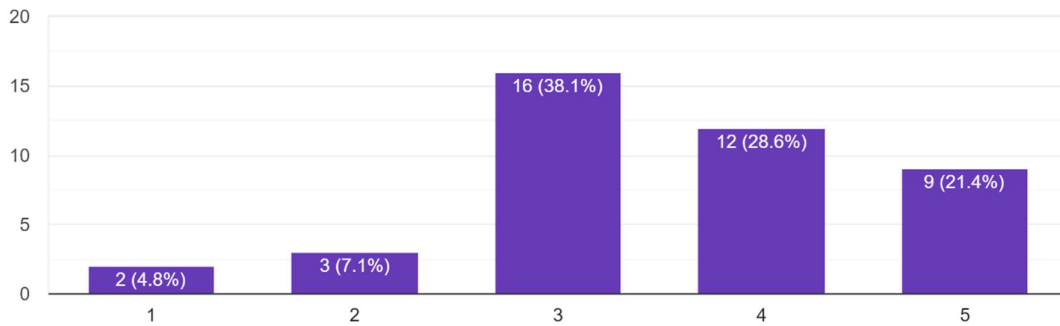
How satisfied were you with the arrangement?

43 responses



How was the food?

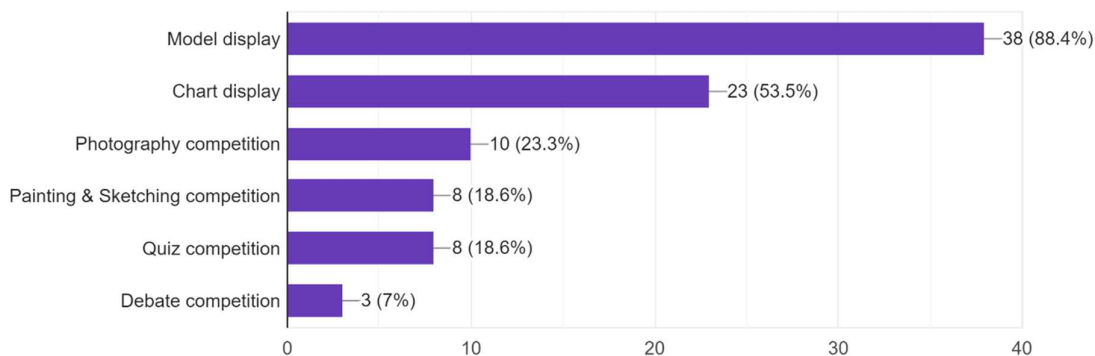
42 responses





Which activity did you like most? You can tick as many as you like.

43 responses



Any suggestions to make the Science Mela better?

A few selected answers have been given here.

- Our suggestion to the science faculty club is to give more time for preparation and enhance the budget for each department .
- I think that more students should participate and they should not be chasing prizes but they should expand their knowledge to understand how to live or find more solutions to make the world clean
- A bigger space to perform the mela That's all
- Most unique and uncommon model/chart can be awarded separately. Or, it can be showcased in a way that students from all the departments can have a look at after the mela ends.
- To conduct at the beginning of session
- It would have been better if the charts were displayed near the walls and the models in an around the centre. This could provide a better view simultaneously.
- I really appreciate the simplicity and the minimalist arrangements, it was just enough for an in-house event.



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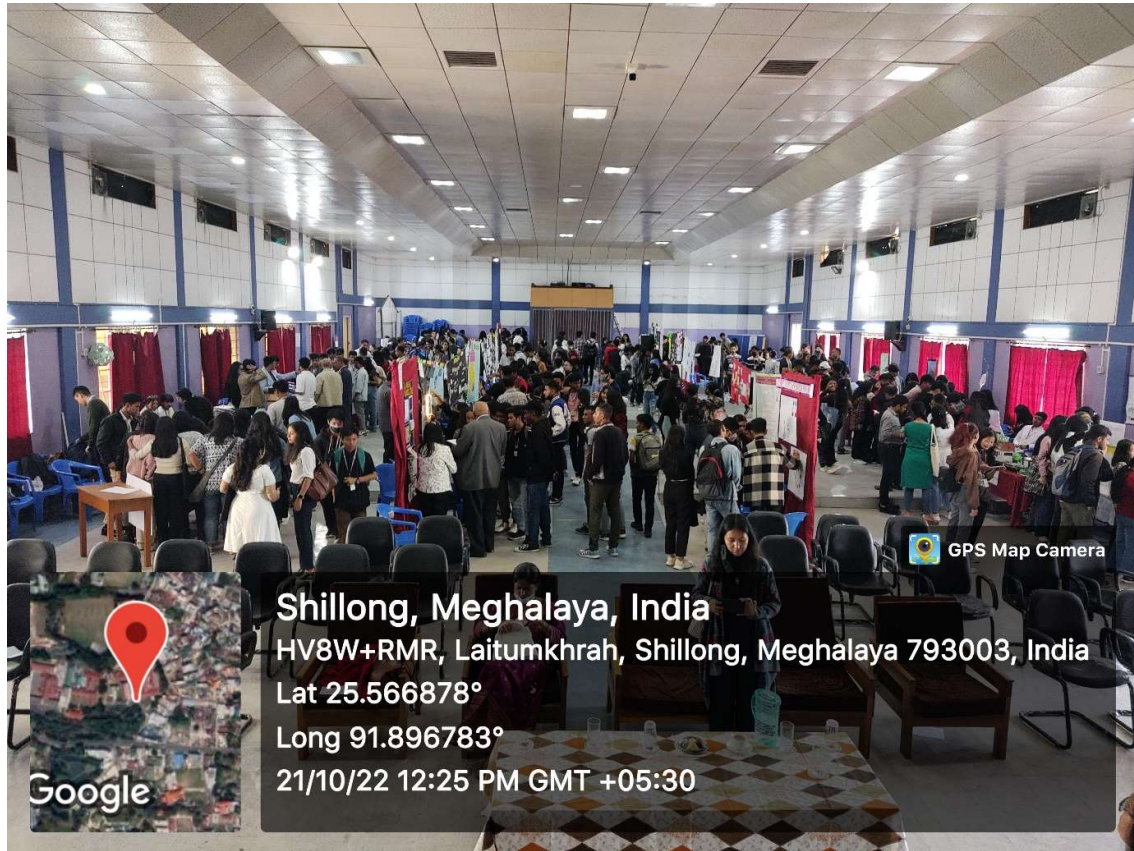




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ST. EDMUND'S COLLEGE
SCIENCE MELA
EDSCIENTIA, 2022

Funded by DBT, Govt. of India
21st -22nd October

THEME: SCIENCE AND TECHNOLOGY FOR THE BETTERMENT OF SOCIETY

organised by
SEC SCIENCE CLUB
In collaboration with IQAC, St. Edmund's College

College Auditorium
10:00 AM

$E=mc^2$

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UNRAVE THE UNRAWN

St. Edmund's College Science Club