



RANAGHAT COLLEGE

(Govt. Sponsored Degree College)

P.O. : Ranaghat, Dist. : Nadla, Pin : 741 201, Phone : 215 685, Fax : (03473) 210 111

Website : www.ranaghatcollege.org, E-mail : ranaghatcollege@gmail.com

An Event Report on the One Day Science Outreach Programme-

Horizon-2023: Where Young Minds Tryst With Science

Jointly Organised by

**DEPARTMENT OF CHEMISTRY & PHYSICS,
RANAGHAT COLLEGE**

in Collaboration with

**S. N. BOSE NATIONAL CENTRE FOR BASIC SCIENCES,
KOLKATA**

Held on 26th May, 2023



ONE DAY SCIENCE OUTREACH PROGRAM**"HORIZON-2023: WHERE YOUNG MINDS TRYST WITH SCIENCE"**

Organized by
The Department of Chemistry & Physics of Ranaghat College

in Collaboration with

S. N. Bose National Centre for Basic Science, Kolkata



বিজ্ঞানের পরিপূর্ণতা

On 26th May, 2023

Venue : Seminar Hall, Ranaghat College, Ranaghat, Nadia-741201

E-mail: ranaghatcollege@gmail.com

Website: ranaghatcollege.org.in

Title of the Event	Horizon-2023: Where Young Minds Tryst With Science
Name and Address of the College	Ranaghat College, P.O. Ranaghat DIST. Nadia, West Bengal, PIN-741201
Web address, Email ID & Contact Number of College	http://www.ranaghatcollege.org.in/ ranaghatcollege@gmail.com , 03473-215685
University, to which Affiliated	Affiliated to the University of Kalyani, West Bengal
Organizing Department	Department of Chemistry & Physics
Collaboration with	S. N. Bose National Centre for Basic Sciences, Kolkata
Student Event: Yes/No	Yes
Externally Funded: Yes/No	Yes
If Externally Funded, Name of the Funding Agency	S. N. Bose National Centre for Basic Sciences, Kolkata
Nature: Internal Participants / External Participants/ Both	Both (Respective Delegates, Resource Persons, Faculty members and Students)
No. of Participants	120
Mode: Online / Offline	Offline
Date & Time	26 th May, 11.30 am - 5.30 pm
Venue	Seminar Hall, Jubilee Building, Ranaghat College
Convenor	Dr. Arup Kumar Maiti, Principal, Ranaghat College
Programme Coordinator	Dr. Ramkrishna Das, Scientist, SNBNCBS, Kolkata



Horizon - 2023

'Where Young Minds Tryst With Science'



A One Day Science Outreach Program

On 26Th May, 2023

Organized Joint
by-

DEPARTMENT OF CHEMISTRY & PHYSICS, RANAGHAT COLLEGE

In collaboration with-

S. N. BOSE NATIONAL CENTRE FOR BASIC SCIENCES, KOLKATA

Program Schedule

Inaugural Session: (11.30 am – 12.15 pm)

Lighting the Lamp & Inaugural song
Welcome address by the Principal, **Dr. Arup Kumar Maiti**
& President of the Governing Body, **Dr. Joyti Prakash Ghosh**
Introductory Speeches by the **Head of the Departments**

Technical Session 1: (12.15 pm – 2.15 pm)

12.15 pm: Lecture by **Professor Ranjit Biswas**
(বিষয়: রসায়ন- ভাবনা এবং প্রয়োগ)

1.15 pm: Lecture by **Professor Manik Banik**
(বিষয়: অণু পরমাণু জগতের অদভুতুড়ে নিয়মাবলী,
আইনস্টাইন ও বোরের বিতর্ক, এবং বেল-এর পরীক্ষা)

Lunch (2.15 pm – 3.00 pm)

Technical Session 2: (3.00 pm – 4.00 pm)

3.00 pm: Lecture by **Professor Ramkrishna Das**
(বিষয়: অন্য পৃথিবীর সন্ধানে)

Technical Session 3: (4.00 pm – 5.30 pm)

Demonstration of Models by **Professor Arijit Halder**
& Sky Watching Session by **Professor Ramkrishna Das**

Valedictory Session

Venue: Seminar Hall, Ranaghat College



❖ About S. N. Bose National Centre for Basic Sciences

The S. N. Bose National Centre for Basic Sciences is an autonomous research institute engaged in research in basic sciences. The institute was founded under Department of Science and Technology, Government of India in 1986 as a Registered Society. The Centre was established to honour the life and work of Professor S. N. Bose who was a colossal in theoretical physics and has made some of the most fundamental conceptual contributions in the development of Quantum Mechanics and Quantum Statistics. The Centre has emerged as a major institution for research and development in Basic Sciences.

❖ About Ranaghat College

Ranaghat College, Nadia was established in 1950. After running a race of 72 years it has now become the pride of Nadia district with its magnificent buildings, well-developed faculties of Humanities, Science and Commerce, various academic and extra-curricular facilities and brilliant academic result. The College is affiliated to the University of Kalyani and offers three undergraduate programmes leading to B.A, B.Sc and B.Com degrees. University of Kalyani has extended affiliation of regular master course in Bengali from the year 2016 and DODL of the University has extended their affiliation for master degree courses in Bengali, English, History and Education from the year 2016. IGNOU, The Central University has also granted affiliation of Master Degree, Bachelor Degree, Diploma and Certificate Courses in several subjects in the year 2014.



★ Introduction:

Department of Chemistry and Physics of Ranaghat College organised an one day science outreach programme '**Horizon-2023: Where Young Minds Tryst With Science**' in collaboration with the renowned research institute S. N. Bose National Centre for Basic Sciences, Kolkata on 26th May, 2023 at the seminar Hall of Jubilee Building, Ranaghat College. The programme was graced by presence of honourable Principal, Ranaghat College, **Dr. Arup Kumar Maiti**, President of the Governing Body **Dr. Jyotiprakash Ghosh**, resource persons **Professor Ranjit Biswas**, **Professor Manik Banik**, **Professor Ramkrishna Das** and **Professor Arijit Halder** from SNBNCBS. The podium was also brightened with the gracious presence of the respective departmental heads **Dr. Swapan Majee** and **Dr. Anindya Biswas** and the IQAC Coordinator **Dr. Arunoday Mukherjee**, and the host **Dr. Habibur Rahaman**. All the respective faculty members and the students were present to participate in the programme. This one day science outreach programme was organised mainly for students to make them aware and to instigate their young minds towards the cultivation of scientific knowledge in the interdisciplinary fields of chemistry and physics.

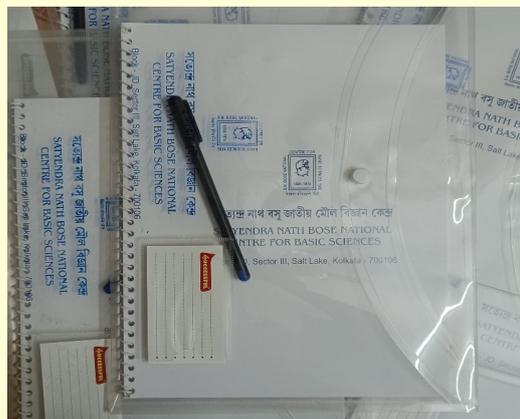
★ Participants:

Eminent research scientists **Professor Ranjit Biswas**, **Professor Manik Banik**, **Professor Ramkrishna Das** and **Professor Arijit Halder** from SNBNCBS were present as the resource persons. All the respective faculty members and all the students of the current Semesters took part in the programme.

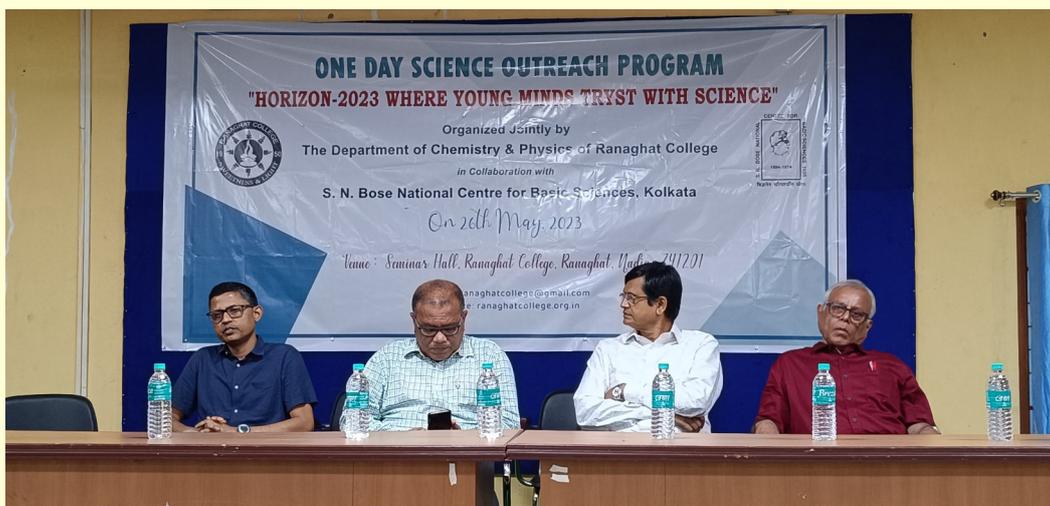


★ **Details of the event:**

The programme was held on 26th May, 2023 at 11.30 AM in the Seminar Hall, Jubilee Building of Ranaghat College. All the participants were registered and were welcome with a kit provided by SNBNCBS.



The programme was inaugurated by lighting the lamps by the delegates followed by an inaugural Rabindra-sangeet. The welcome address was delivered by the Hon'ble Principal **Dr. Arup Kumar Maiti** and the President of the Governing Body **Dr. Jyotiprakash Ghosh**. Brief introductory speeches were delivered the respective HODs **Dr. Swapan Majee** and **Dr. Anindya Biswas**. Then **Professor Dr. Ramkrishna Das** briefly gave an introduction about the key-note speakers and the overview of the day's programme. The dignitaries were welcome with bouquet and memento by the students. The programme was hosted by **Dr. Habibur Rahaman** of Department of Chemistry.



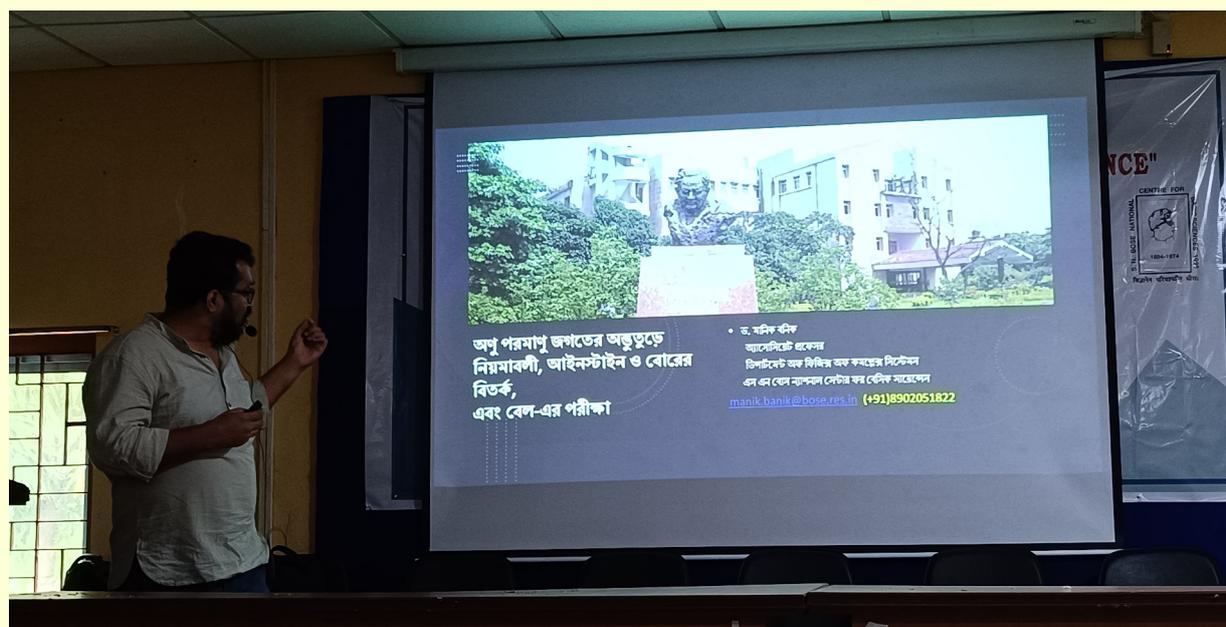
(From left: Dr. Anindya Biswas, Dr. Jyotiprakash Ghosh, Dr. Arup Kumar Maiti, & Dr. Swapan Majee.)

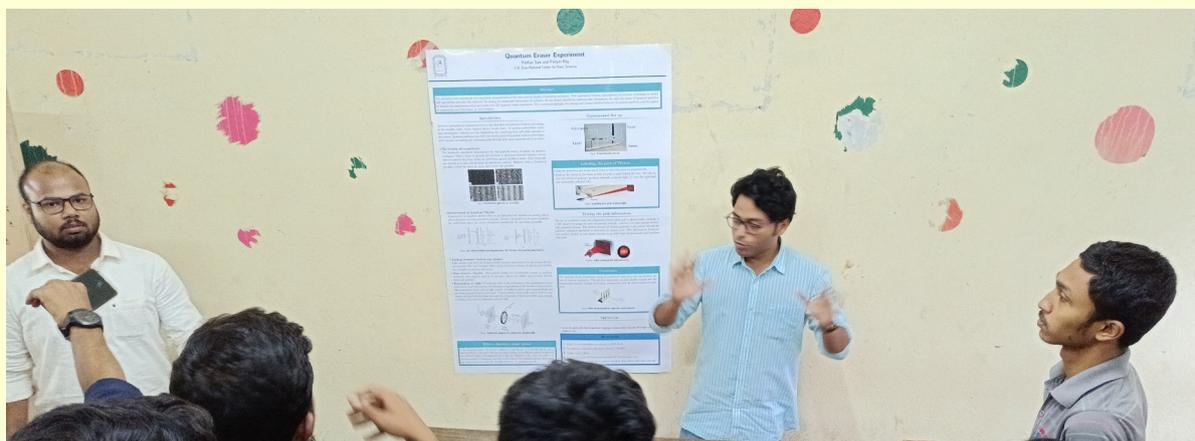


(From left: Dr. Habibur Rahaman, Dr. Arijit Haldar, Dr. Ramkrishna Das, Dr. Jyotiprakash Ghosh, Dr. Arup Kumar Maiti, Dr. Ranjit Biswas & Dr. Manik Banik)



Following the inauguration, the speakers **Dr. Ranjit Biswas**, **Dr. Manik Banik** & **Dr. Ramkrishna Das** delivered their lectures on the topics of the puzzling worlds of atoms and molecules to the astonishing extra-terrestrial outer world of planets and stars. Later on, after the lunch, Dr. Arijit Haldar demonstrated few physical experiments with models and Dr. Ramkrishna Das demonstrated the functions of telescope to the students.







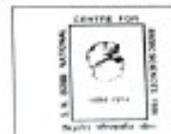
★ **Outcome:**

One day science outreach programmes like this bear immense potential for the inquisitive young minds. Seminars like this make them aware of the progress in the different fields of science and technologies. The knowledge about the newer fields of studies always inspire the budding scientific minds to find future paths of progress for themselves.

Registration details:



Horizon – 2023
'Where Young Minds Tryst With Science'



A One Day Science Outreach Program

*Organised jointly by Department of Chemistry & Physics, Ranaghat College
In collaboration with S. N. Bose National Centre for Basic Sciences, Kolkata*

Date: On 26th May, Friday, 2023

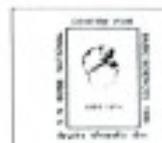
venue: Ranaghat College

REGISTRATION DETAILS OF THE PARTICIPANTS

Sl No.	Name	Department	SEM	Signature	Ph No.
1.	Arpita Sadhekhor	Chemistry	6 th	Arpita Sadhekhor	9775213806
2.	Rupam Biswas	chemistry	6 th	Rupam Biswas	9382378562
3.	Soma Biswas	Chemistry	6 th	Soma Biswas	9832879344
4.	Bappa Halder	Chemistry	6 th	Bappa Halder	9547751292
5.	Shrejit Sankar	chemistry	6 th	Shrejit Sankar	9642117109
6.	Amit Biswas	chemistry	6 th	Amit Biswas	8159890551
7.	Souryadeb Das	Chemistry	6 th	Souryadeb Das	9808706048
8.	Sagnik Chatterjee	chemistry	6 th	Sagnik Chatterjee	8250777596
9.	Aparajita Mitra	Chemistry	4 th	Aparajita Mitra	8101478044
10.	Shrejit Pandit	chemistry	4 th	Shrejit Pandit	95477913201
11.	Subhankar Biswas	Chemistry	4 th	Subhankar Biswas	8927857728
12.	Kaitha Biswas	Chemistry (P)	4 th	Kaitha Biswas	8906591435
13.	Rajat Sarkar	Chemistry	2 nd	Rajat Sarkar	9091327289
14.	Haimiya Pramanick	chemistry	2 nd	Haimiya Pramanick	9974638207
15.	Archita Biswas	Chemistry	2 nd	Archita Biswas	9832217295
16.	Supriya Das	chemistry	2 nd	Supriya Das	9932821699
17.	Anita Biswas	Chemistry	2 nd	Anita Biswas	7586891535
18.	Nisha Bala	chemistry	2 nd	Nisha Bala	8945079592
19.	Amrita Biswas	chemistry	2 nd	Amrita Biswas	9908416305
20.	Sahin Das	chemistry	2 nd	Sahin Das	8617396921
21.	Soemik Biswas	chemistry	2 nd	Soemik Biswas	9892966067
22.	Koyel Biswas	Chemistry	6 th	Koyel Biswas	8145060019
23.	Susmita Deb Nath	Chemistry	6 th	Susmita Deb Nath	960935526
24.	Rupa Mahaldar	Chemistry	6 th	Rupa Mahaldar	7047332697



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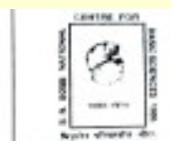
venue: Ranaghat College

REGISTRATION DETAILS OF THE PARTICIPANTS

Sl No.	Name	Department	SEM	Signature	Ph No.
14	Saikat Haladax	Chemistry	4th	Saikat Haladax	9382218390
26	Rakesh Das	Chemistry	4th	Rakesh Das	9641667408
27	Nishit Mondal	Chemistry	4th	Nishit Mondal	9933799926
28	Supriyo Biswas	Chemistry	4th	Supriyo Biswas	9131083597
29	Smrha Dey	Chemistry	4th	Smrha Dey	9629537828
30	Rina Ghosh	Chemistry	4th	Rina Ghosh	9330366277
31	Prizam Dutta	Chem-Pass	4th	Prizam Dutta	7584285518
32	Soma Pramanick	Chem-Pass	4th	Soma Pramanick	9609584760
33	Uzmi Sarkar	Chem-Pass	4th	Uzmi Sarkar	8972510134
34	Snrha Sathukhan	Math	4th	Snrha Sathukhan	9547573057
35	Isha Chharyal	Chem-Pass	4th	Isha Chharyal	8609582594
36	Uttarananda Roy	Chem-Pass	4th	Uttarananda Roy	7029210375
37	Krishna Mondal	Chem-Pass	2nd	Krishna Mondal	974982346
38	Sima Dutta	Chem. Pass	2nd	Sima Dutta	7029999511
39	Anwesha Mondal	Chem. Pass	2nd	Anwesha Mondal	9564451707
40	Lipika Mondal	Chem. Pass	2nd	Lipika Mondal	9883049048
41	Sudeep Boraman	Chem. Pass	2nd	Sudeep Boraman	6295165515
42	Samin Mondal	Chem. Pass	2nd	Samin Mondal	778280360
43	Sudip Sarkar	Phys. Honr	4th	Sudip Sarkar	7063475590
44	Shekhar Chandan Sarkar	Chemistry	4th	Shekhar Chandan Sarkar	6295492804
45	Intiyaz Molla	Physics	4th	Intiyaz Molla	7979128933
46	Sayak Chakraborty	Physics	4th	Sayak Chakraborty	8915425824
47	Ayan Das	Physics	4th	Ayan Das	9134878233
48	Suparna Roy Choudhary	Physics	4th	Suparna Roy Choudhary	824828008



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Sl No.	Name	Department	SEM	Signature	Ph No.
62	Abhisadip Mondal	Chemistry	6 th	Abhisadip Mondal	6296864198
63	Sougata Mondal	Chem pass	6 th	Sougata Mondal	7471843197
64	Gopal Das	Physics	6 th	Gopal Das	9153825150
65	Arnob Das	Physics	6 th	Arnob Das	700109752
66	Saptak Biswas	Physics	6 th	Saptak Biswas	9153391312
67	Rahel Das	Physics	8 th	Rahel Das	8918637089
68	Tushar Biswas	Chem Pass	6 th	Tushar Biswas	9382657956
69	Rajika Ghosh	Chem Hons	2 nd	Rajika Ghosh	9883717893
70	Raju Sikdar	Math Hns	4 th	Raju Sikdar	9002751791
71	Subhota Majumder	Physics Hons	4 th	Subhota Majumder	7478314205
72	Bikram Pramanick	Chemistry Pass	6 th	Bikram Pramanick	7679976119
73	Praitam Mondal	Chem pass	6 th	Praitam Mondal	6298974218
74	Manik Sutradhar	Physics Hons	2 nd	Manik Sutradhar	9641463781
75	Ayan Pramanick	Physics Hons	2 nd	Ayan Pramanick	625245475
76	Subhankar Biswas	Physics Hons	6 th	Subhankar Biswas	8343885033
77	Bikram Das	Math Hons	2 nd	Bikram Das	8509885984
78	Shrestha Pramanick	Physics Hons	4 th	Shrestha Pramanick	8348689881
79	Suparna Das	Physics Hons	4 th	Suparna Das	9614592473
80	Sumit Biswas	Math Hons	4 th	Sumit Biswas	7389625067
81	Tijasha Biswas	Physics Hons	1 st	Tijasha Biswas	6296890092
82	Sanyam Roy	Chemistry Hons	4 th	Sanyam Roy	9144696286
83	Tirthankar Mondal	Physics Hons	6 th	Tirthankar Mondal	7864860988
84	Uday Sankar Das	Physics Hons	6 th	Uday Sankar Das	7076138971
85	Sayan Pramanick	B.Sc Honours	6 th	Sayan Pramanick	9069290136

Certificate and Representative Feedback forms:





H O R I Z O N - 2 0 2 3

“Where Young Minds Tryst with Science”

A One-day Science Outreach Program

26th May 2023

SEMINAR HALL, RANAGHAT COLLEGE



FEEDBACK FORM

Student Name: Rima Ghosh

Department: Chemistry Department of Ranaghat College

1. How useful did you think this event was for you?

1= not at all useful 3= Moderately useful 5= extremely useful

1	2	3	4	5
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2. How familiar are you with the topics of the lecture?

1= not at all familiar 3= moderately familiar 5= extremely familiar

1	2	3	4	5
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3. How relevant were the topics with your course/ studies?

1= not at all relevant 3= moderately relevant 5= extremely relevant

1	2	3	4	5
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4. How was Sky watch Program and Demonstration of Science Model.

1= Poor 3= Moderate 5= extremely good

1	2	3	4	5
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5. Would you be interested to further attend this type of program?

Yes	No
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6. Rate this program based on Program Schedule and other arrangements like Registration, Food etc.

1= Poor 3= Moderate 5= extremely Good

1	2	3	4	5
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H O R I Z O N - 2 0 2 3

"Where Young Minds Tryst with Science"

A One-day Science Outreach Program

26th May 2023

SEMINAR HALL, RANAGHAT COLLEGE

FEEDBACK FORMStudent Name: Suparno Roy ChoudhuryDepartment: Physics

1. How useful did you think this event was for you?

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H O R I Z O N - 2 0 2 3

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SEMINAR HALL, RANAGHAT COLLEGE

**FEEDBACK FORM**Student Name: Bikram PramanickDepartment: Chemistry Pass

1. How useful did you think this event was for you?

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1	2	3	4	5 ✓
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1	2	3	4	5 ✓
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1	2	3	4	5 ✓
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4. How was Sky watch Program and Demonstration of Science Model.

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1	2	3	4	5 ✓
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5. Would you be interested to further attend this type of program?

✓ Yes	No
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6. Rate this program based on Program Schedule and other arrangements like Registration, Food etc.

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1	2	3	4	5 ✓
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H O R I Z O N - 2 0 2 3

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SEMINAR HALL, RANAGHAT COLLEGE



FEEDBACK FORM

Student Name: Koyel Das

Department: Mathematics

1. How useful did you think this event was for you?

1= not at all useful 3= Moderately useful 5= extremely useful

1	2	3	4	5
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