



Educating hearts and minds

HOLY CROSS COLLEGE

ACCREDITED BY NAAC WITH 'A+' GRADE (CYCLE:2)

Tripura University Reg. Code: 17

Jubatara, P.O. Lembucherra, Tripura West Pin-799210

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DEPARTMENT OF BOTANY

REPORT ON

EDUCATIONAL TRIP TO SCIENCE CITY, AGARTALA

Organized By

Department of Botany, Holy Cross College, Agartala

Date: 06.08.2024

Department of Botany, Holy Cross College, Agartala organized an educational field trip to Science City, located in Badharghat, Agartala on 6th August, 2024. The trip was designed for 1st and 2nd semesters Botany (Major) students and aimed to provide them an opportunity to explore and engage with various scientific disciplines. The objective was to enhance their understanding of subjects such as Biology, Astronomy, Physics and immersive technologies through hands-on experiences and interactive learning.

Participants:

Students: Thirty-five (35) 1st and 2nd Semester Botany-Major Students; Department of Botany, HCC.

Faculty Members: Four (4); Department of Botany, HCC.

Program Overview:

The program was carefully planned to ensure that the students could maximize their learning experience at Science City. The itinerary included visits to different sections of Science City, each offering unique insights into various scientific fields. The trip began with a departure from Holy Cross College at 10:20 AM, with 35 eager students and four accompanying faculty members.

Arrival and Orientation:

Upon arrival at Science City, the group was welcomed by the staff, who provided a brief orientation about the day's activities. The students were divided into smaller groups, each led by the faculty member, to ensure a smooth and organized exploration of the venue. The orientation emphasized the importance of active participation and encouraged students to ask questions and engage with the exhibits.

Detailed Activities:

1. Astronomy Observation:

Objective: To introduce students to the basic astronomical concepts and celestial phenomena.

Details: The first activity of the day was a visit to the astronomy section. This area featured a range of exhibits, including detailed models of the solar system, interactive displays of constellations and various astronomical instruments such as telescopes and orreries. The students were particularly fascinated by the large-scale models, which provided a tangible understanding of the relative sizes and distances of celestial bodies.

Interactive Learning: The interactive nature of the exhibits allowed students to manipulate the models and observe the movement of planets, deepening their understanding of concepts like planetary orbits and the phases of the moon. Faculty members provided additional explanations and answered questions, further enriching the learning experience.

2. Fun Science Games:

Objective: To explore and understand principles of physics, chemistry and biology through interactive activities.

Details: Following the astronomy session, students moved on to the Fun Science Games area, designed to make learning science enjoyable through hands-on activities. This section was particularly popular among the students, as it offered a wide range of experiments and games that demonstrated fundamental scientific principles.

Physics Exploration: Activities included building simple electric circuits, which taught students about the flow of electricity and the basics of electrical engineering. They also engaged in experiments that demonstrated the laws of motion, such as using inclined planes to study acceleration and momentum.

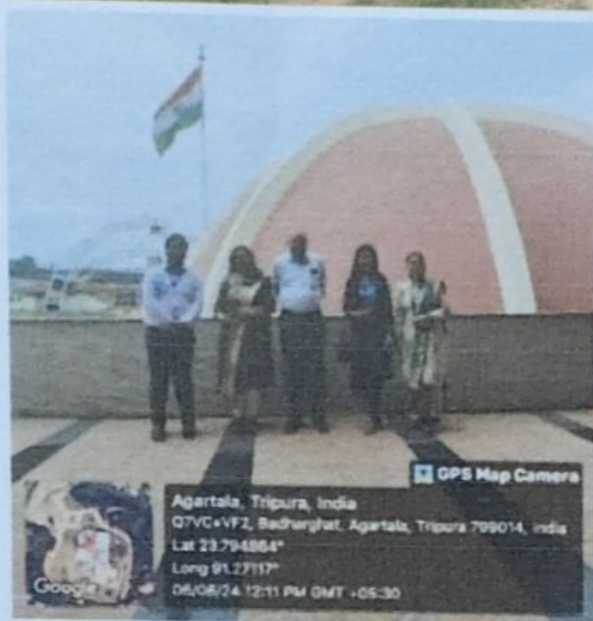
Chemistry and Biology fields by playing with magnets, learning about magnetic forces and their applications. They also participated in experiments that demonstrated chemical reactions, further linking theoretical knowledge with practical experience.

Interactive Engagement: The students were actively involved in all activities, working in small groups to solve problems and complete experiments. This collaborative approach not only enhanced their understanding of the scientific concepts but also fostered teamwork and communication skills.

3. 3D Theatre Experience

Objective: To provide an immersive learning experience through 3D visualizations of complex scientific concepts.

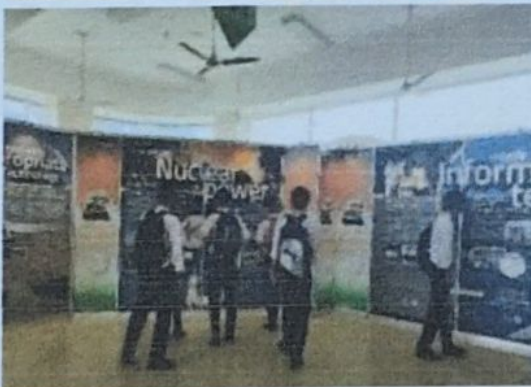
Details: The final major activity of the day was a visit to the 3D theater, where students watched an educational film that brought various scientific concepts to life through stunning 3D visuals. The film covered topics such as the formation of the universe, the evolution of life on Earth, and the development of technology.



Pictures clicked during the Educational Trip to Science City, Agartala on 6th August, 2024



Pictures clicked during the Educational Trip to Science City, Agartala on 6th August, 2024



Pictures clicked during the Educational Trip to Science City, Agartala on 6th August, 2024

Immersive Learning: The 3D experience allowed students to visualize abstract scientific concepts in a way that traditional teaching methods cannot offer. The depth and realism of the visuals helped students to better understand complex ideas, making them more memorable and easier to comprehend.

- ❖ **Student Feedback:** After the screening, a short discussion session was held where students shared their thoughts and insights gained from the film. Many students expressed that the 3D experience significantly enhanced their understanding of the topics covered.

Learning Outcomes:

- The educational trip to Science City was highly beneficial for the participating students. The following key learning outcomes were observed.
- Students gained exposure to a variety of scientific fields, broadening their perspectives beyond their primary focus on Botany. The trip encouraged curiosity and a deeper interest in subjects like astronomy and physics.
- The hands-on activities and interactive exhibits made learning more engaging and enjoyable. Students were able to connect theoretical knowledge with practical applications, reinforcing their understanding of scientific principles.
- The use of immersive technologies, such as the 3D theater, allowed students to visualize complex concepts, making them more relatable and easier to grasp. The visual and interactive approach to learning proved to be highly effective in enhancing comprehension.
- The group activities and discussions fostered teamwork and communication among students, helping them develop important collaborative skills.

Conclusion:

The educational field trip to Science City was a resounding success, achieving its objective of enriching the students' knowledge across various scientific disciplines. The interactive and immersive experiences provided at Science City made the learning process both enjoyable and effective. Department of Botany, Holy Cross College, extends its sincere gratitude to the college administration for their support and to the staff of Science City for their efforts in making the trip a memorable and educational experience. Future trips of this nature are highly encouraged to continue broadening the scientific understanding and interests of students.

Report Prepared By-

Somnath Kar
16/08/24

Dr. Somnath Kar
Assistant Professor
Department of Botany
Holy Cross College, Agartala

Dr. Debasree Lodh
16/08/2024

Dr. Debasree Lodh
HOD, Department of Botany
Holy Cross College, Agartala

HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA



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To
The Vice-Principal
Holy Cross College
Agartala

Subject: Permission for an Educational Trip to Science City, Agartala on 06.08.2024

Respected Father,

With due respect, I would like to inform you that the Department of Botany wish to take the 1st and 2nd semester Botany (Major) students on an Educational Trip to Science City, Badharghat, Agartala on 06.08.2024 (Total No. of Students= 37, Faculty Members= 4).

This visit is intended to enhance the students' understanding of various scientific concepts and their practical applications. Science City offers a range of interactive exhibits and educational programs that align with our curriculum, making it an ideal venue for reinforcing classroom learning through real-world experiences.

We have planned the visit to ensure that it will be both educational and enjoyable for the students. We will take all necessary precautions to ensure the safety and well-being of the students during the trip.

We kindly request your approval for this visit. We also request to kindly provide the vehicle facility and any other necessary arrangements or permissions that may be required.

Thank you for considering our request. We look forward to your favorable response.

Thanking you,
With regards,

Date: 02.08.2024

Yours faithfully,

Dr. Debasree Lodh
02/08/2024

Dr. Debasree Lodh
Head, Department of Botany
Holy Cross College, Agartala

Granted permission
[Signature]
26/8/2024
VICE PRINCIPAL
HOLY CROSS COLLEGE
AGARTALA

HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA



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Ref. No, F.1/HCC/BOT/Std./Aug./2024/01

Date: 05.08.2024

NOTICE

We are pleased to inform you that an Educational Trip to Science City, Agartala, has been organized by the Department of Botany, Holy Cross College, Agartala for the 1st and 2nd semester Botany (Major) students on 06.08.2024. This trip aims to provide an enriching learning experience outside the classroom and to explore the wonders of science in an interactive environment.

Details of the Educational Trip:

- Date: 06.08.2024
- Reporting Time (to the College): 09:00 am
- Departure Time (from the College): 09:30 am
- Return Time (to the College): 02:30 pm
- Venue: Science City, Agartala
- Meeting Point: Department of Botany, Holy Cross College, Agartala at 09:00 am.

Rules and Regulations:

1. Attendance of all the 1st and 2nd semester Botany (Major) students is mandatory.
2. Students must wear the college uniform with ID cards.
3. All participating students must report to the Department of Botany at 09:00 before the departure time.
4. Maintain discipline and decorum throughout the trip. Any misconduct will be dealt with strictly.
5. Stick to the schedule and be punctual for all activities.
6. Follow all safety instructions given by the teachers and staff. Do not wander off or leave the group without permission.



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7. You need to keep your personal belongings safe. The institution will not be responsible for any loss or damage.
8. Photography is allowed, but ensure it does not disrupt any activities or cause inconvenience to others.
9. Carry your water bottle. Lunch and snacks will not be provided, but students may carry light snacks if they wish.
10. In case of any emergency, contact the teachers immediately.
11. Respect the environment and the facilities at Science City. Dispose of waste properly and avoid littering.
12. You need to submit a written report to the Department of Botany (about the Trip and observations whatever will be learnt during the visit with proper GPS pictures) in group-wise (for the details of the group members follow the Annexure attached herewith).

We hope you will make the most of this educational opportunity and have a wonderful experience at Science City, Agartala.


05/08/2024

Dr. Debasree Lodh
Head, Department of Botany
Holy Cross College, Agartala


05/08/2024
PRINCIPAL
HOLY CROSS COLLEGE
AGARTALA
Fr. Joe Paul
Principal & Administrator
Holy Cross College, Agartala

HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA



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ANNEXURE- II

Educational Trip to Science City, Agartala

Date: 06.08.2014

Botany (Major) -2nd Semester

Sl. No.	HCC Roll No.	Name of the Student	Group Code No.
1.	526	Evelin Darlong	Group C
2.	527	Khonjopra Kalai	
3.	528	Khumpui Jamatia	
4.	529	Konika Tripura	
5.	530	Kritika Debbarma	
6.	531	Madhurima Deb	Group D
7.	532	Ria Das	
8.	533	Susmita Debbarma	
9.	534	Tanusri Acharya	
10.	535	Teresa Debbarma	
11.	536	Arijit Paul	Group E
12.	537	Ayan Debbarma	
13.	538	Boyar Debbarma	
14.	539	Boyar Debbarma	
15.	540	Danyel Murasing	
16.	541	Dilsan Gobind Debbarma	Group F
17.	542	Rathin Debbarma	
18.	543	Rohan Debbarma	
19.	544	Sanju Debbarma	
20.	545	Saptarshi Tripura	
21.	546	Saamyendu Datta	Group G
22.	547	Sayar Debbarma	
23.	548	Smai Debbarma	
24.	549	Suhel Debbarma	
25.	550	Twijulang Debbarma	
26.	551	Niluthpal Chakraborty	
27.	552	Ashara Debbarma	

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[Signature]
05/08/2024
HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA



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ANNEXURE- I

Educational Trip to Science City, Agartala

Date: 06.08.2014

Botany (Major) -1st Semester

Sl. No.	HCC Roll No.	Name of Students	Group Code No.
1	741	Labani Debbarma	Group A
2	742	Moumita Muhuri	
3	743	Suhani Debbarma	
4	744	Aditya Debbarma	
5	745	Angel Debbarma	
6	747	Karim Tripura	Group B
7	748	Khaphang Uchoi	
8	749	Paris Debbarma	
9	750	Pritam Debbarma	
10	751	Shuvadip Debbarma	

[Signature]
05/08/2014

HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA



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Ref. No. F.1/HCC/BOT/Std./Aug./2024/03

Date: 07.08.2024

NOTICE

As per the Notice (Ref. No. F.1/HCC/BOT/Std./Aug./2024/01 Dated 05.08.2024) students' need to submit the Hard Copy of the Report on Educational Trip to Science City, Agartala (mentioned in the Notice Rule No. 12), as per group-wise (mentioned in the Notice -Annexure) with proper GPS pictures on **12.08.2014** (Monday) at 12:30 pm to the HOD, Department of Botany.

NB: The Submission of Report on Educational Trip is a part of Student's Internal Assessment.

[Signature]
07/08/2024

HOD, Department of Botany
Holy Cross College, Agartala

HEAD
Department of Botany,
HOLY CROSS COLLEGE, AGARTALA



HOLY CROSS COLLEGE

Lembucherra, Agartala

○ DEPARTMENT OF BOTANY

Educational field Trip (REPORT WRITING)

Venue :- **SCIENCE CITY**, Badharghat , Agartala .

Date : 06-08-2024

2nd Semester

○ Group D



EXAMINED
Department of Botany
Holy Cross College
Agartala, Tripura (West)

Conclusion

The educational field trip to Science City was a resounding success. It not only enriched the students' knowledge across various scientific disciplines but also provided an enjoyable and interactive learning experience. The Botany Department extends its gratitude to the college administration and Science City staff for their support in organizing this trip. Future trips like this are highly encouraged to continue broadening students' scientific understanding and interest.



Prepared by :

Madhurima Deb, Ria Das,
Sushmita Debbarma, Tanusri Acharya,
Teresa Debbarma, Arijit Paul
2nd semester, Botany Department, Holy Cross College.

EXAMINED
Department of Botany
Holy Cross College
Agartala, Tripura (M)