

REPORT – Alumni Talk – Department of Geology

- ☐ **TITLE OF EVENT/ PROGRAMME (SEMINAR/ WEBINAR/ WORKSHOP/ EXTENSION LECTURE/ EXTENSION ACTIVITY/ ANY OTHER ACTIVITY):** Alumni Talk
- ☐ **THEME OF THE EVENT/ PROGRAMME:** Introduction to Planetary Geology
- ☐ **ACADEMIC SESSION:** 2024-2025
- ☐ **DATE:** 22-04-2025
- ☐ **VENUE:** Geology Laboratory, Main Academic Building, Asutosh College
- ☐ **OBJECTIVE/ PURPOSE:** The purpose of the programme is to expose our students to the emerging fields in geosciences beyond traditional Earth-based studies and to inspire academic curiosity and research interest in planetary geology. The seminar also aimed to strengthen alumni-student engagement, as Dr. Dipayan Dasgupta has been closely associated with our department since 2011 (completed B.Sc. in 2014, M.Sc. in 2016, and Ph.D. in 2024), fostering a continued academic connection and mentorship. Such interactive sessions with past members of the department would be exceptionally motivating for the present students.
- ☐ **SPEAKER/S / RESOURCE PERSON/S:** Dr. Dipayan Dasgupta, Researcher presently associated with the Department of Geology, Presidency College
- ☐ **TARGET AUDIENCE/ PARTICIPANTS:** 1st Semester Students of the Department of Geology
- ☐ **ATTENDANCE SHEET:** Provided below

ASUTOSH COLLEGE (Estd. 1916) 92, S.P. Mukherjee Road Kolkata - 700026			
Phone: 2455-4504/2486-3912 Fax : (033) 2486-3006 Mail : mail@asutoshcollege.in Web : www.asutoshcollege.in			
DEPARTMENT OF GEOLOGY ALUMNI TALK - 22.04.2025 Attendance Sheet			
Sl. No.	Name	Semester	SIGNATURE
1.	Anushka Tarafdar	02	Anushka Tarafdar
2.	Ritika Roy	2	Ritika Roy
3.	Tanuka Das	2	Tanuka Das
4.	Abdul Ahad Ansari	2	Abdul Ahad Ansari
5.	Debatilama Das	02	Debatilama Das
7.	Trujit Pramanik	02	Trujit Pramanik
8.	Sujit Saha	02	Sujit Saha
9.	Bonika Das	06	Bonika Das
10.	Ananya Ghosh	06	Ananya Ghosh
11.	Kaushik Deb Sharma	06	Kaushik Deb Sharma
12.	Ajaydeep Banerjee	06	Ajaydeep Banerjee
13.	Aishwarya Basu	06	Aishwarya Basu
14.	Souphenik Bose	06	Souphenik Bose

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DEPARTMENT OF GEOLOGY ALUMNI TALK - 22.04.2025 Attendance Sheet			
Sl. No.	Name	Semester	SIGNATURE
14.	Siddhanta Chatterjee	6	Siddhanta Chatterjee
15.	IYY KOLEY	6	Iyy Koley
16.	Dejey Roy	6	Dejey Roy
17.	Urvashi Monna	6	Urvashi Monna
18.	Sangita Banerjee	6	Sangita Banerjee
19.	Kalina Bhattacharya	6	Kalina Bhattacharya
20.	Kaushik Sinha	2	Kaushik Sinha
21.	Hastin Das	6	Hastin Das
22.	Supratik Basu	RS	Supratik Basu

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DEPARTMENT OF GEOLOGY ALUMNI TALK - 22.04.2025 Attendance Sheet			
Teachers			
Sl. No.	Name	Semester	SIGNATURE
1.	Ashis Kumar Das		Ashis
2.	Pariga Choudhury		Pariga
3.	Siparjan Karmakar		Siparjan
4.	Fulmati Ram		Ram
5.	Indrani Bhattacharya		Indrani
6.	Rishi Das		Rishi
7.	Arpita Samanta		Arpita
8.	Ashik Khatun		Ashik

- BRIEF REPORT ABOUT THE EVENT/ PROGRAMME:** An engaging alumni seminar on "Introduction to Planetary Geology" was held as part of the academic enrichment programme. The speaker, an accomplished alumnus of the department, delivered an informative lecture focused on the fundamental approaches to studying planetary geology, with particular emphasis on the Moon and Mars. He explained how crater counting is used as a key method to estimate the ages of planetary surfaces. The seminar also covered structural features on Mars, including faults, ridges, and grabens, and discussed the planet's distinct hemispheric dichotomy—highlighting the

differences between the smooth northern lowlands and the heavily cratered southern highlands. The talk successfully introduced students to the methodologies and analytical tools used in planetary surface studies, while also emphasizing the interdisciplinary relevance of geology beyond Earth. It inspired participants to consider the exciting prospects of planetary science as a research domain within the geosciences.

- **EXPECTED OUTCOME:** The seminar is expected to enhance students' understanding of planetary geology, particularly the surface features and geological processes of the Moon and Mars. Participants will gain insight into techniques such as crater counting for age estimation and structural analysis of planetary surfaces. The session aims to spark interest in planetary science, broaden the academic perspective of geology students, and encourage interdisciplinary thinking that connects Earth-based geology with planetary exploration and research.

- **GEO-TAGGED PHOTOGRAPHS:**



