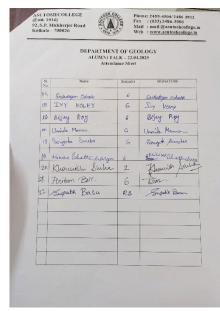
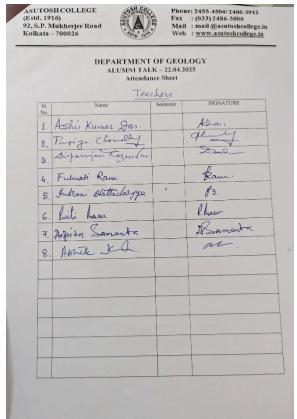
REPORT – Alumni Talk – Department of Geology

	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						
П	ATTENDANCE SHEET: Provided below						

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•		DEPARTMEN ALUMNI TA Attenda		
	SL No.	Name	Semester	SIGNATURE
		Anushka Tarafdan	02	Anushka Tarafdan
	2.	Ditsha Rey	2	Sitharey:
	3.	Tanuka Yavai	2	Tanuka garai
	4.	Ankush Das	2	Anustrale
	5	Abdul Ahad Ansany	02	Abdul Ahad Ausory
	6.	Debattanna Das	02_	Debathanna Das
	7.	Trijit Pramanik	02	Trijit Pramanik
		Sigal Saka	02	Sijaleaha
	9.	Bomika Das	06	BornikaDus
	10.	Anarya Ghosh	06	Ananya Chosh
	11-	Koughik Deb Shahma	06	Koushik Deb Sharma
	10.	Atyadesp Banerijee	06	Atyadesp Banejes
	13.	Aishwarya Basu	06	Ailwaya Benz
	14.	Swapnendu Bose	06	Sarefrender Store.





□ 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:







