

SAPPHIRE

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Government General Degree College for Women**
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FROM THE DESK OF THE HOD

Greetings to all readers of our departmental newsletter!

It gives me immense pleasure to present this edition, which highlights the dynamic journey of the Geology Department over the recent months. Our department remains committed to academic excellence, hands-on learning, and holistic development of our students. Geology, as a discipline, not only unravels the mysteries of the Earth but also inspires us to think critically about natural resources, environmental sustainability, and disaster preparedness.

This newsletter captures glimpses of our curricular and co-curricular activities—ranging from classroom innovations and fieldwork expeditions to student seminars and collaborative events. I am proud of the sincere efforts put forth by our faculty members and the enthusiasm shown by our students, who continue to bring life to the department.

As we move forward, we aim to create more opportunities for academic growth, skill development, and research engagement. I encourage all students to stay curious, explore beyond textbooks, and actively participate in all departmental initiatives.

*With best wishes,
Dr. Aparupa Banerjee
Head, Department of Geology
Shahid Matangini Hazra Government
General Degree College for Women*

DEPARTMENT INSIGHTS

The Geology Department is where the story of Earth comes alive. From ancient fossils to shifting tectonic plates, we explore the forces that shape our planet and uncover the secrets hidden beneath its surface. Our program blends theory with real-world experience—students learn through dynamic classroom sessions, hands-on labs, and immersive fieldwork

Whether studying rocks, minerals, or the history written in Earth's layers, we become skilled observers and scientific thinkers.

Our faculty members are experienced and passionate geoscientists who are committed to academic excellence, student mentorship, and research. The department is equipped with modern laboratories, geological collections, and advanced tools for rock, mineral, and fossil analysis.

Beyond their academic roles, our faculty serve as mentors, guiding students through their academic journeys, research projects, and career planning. Their approachability, passion for Earth sciences, and hands-on involvement in fieldwork create a dynamic and inspiring learning environment.

FAB FACULTY

THE FACULTY OF OUR GEOLOGY DEPARTMENT ARE NOT JUST EDUCATORS—THEY ARE EXPLORERS, RESEARCHERS, AND ROLE MODELS WHO INSPIRE THE NEXT GENERATION OF GEOSCIENTISTS TO DIG DEEPER, THINK CRITICALLY, AND CONTRIBUTE MEANINGFULLY TO OUR UNDERSTANDING OF THE EARTH.



Dr. Aparupa Banerjee

Head & Assistant Professor
in Department of Geology

M.Sc , Ph.d.

Specialization : Metamorphic Petrology ,
Geochemistry , Geochronology

Period of service : 2015-Present



Dr. Enakshi Das

Assistant Professor
in Department of Geology

M.Sc , Ph.d.

Specialization : Metamorphic Petrology ,
Geochronology

Period of service : 2019-present



Smt. Lovely Burman

Assistant Professor
in Department of Geology

M.Sc

Specialization : Sedimentology & Stratigraphy

Period of service : 2015-Present

POV : FIELD THE OG



Field work is an honoured experience for every Geology student. Here we train our eyes and minds to go beyond the boundaries and explore what we hadn't before. On January 2024 the field work was encountered in and around Maithon and on February 2025 it took place at Ghatshila, Jharkhand. These events were organised by our respected professors Dr. Aparupa Banerjee, Dr. Enakshi Das and Prof. Lovely Barman.

The field work required experimental learning. It includes inspecting of different rock exposures and geological features, recognising the lithology of the particular area, evaluating rock formations and deformations, pen - paper plotting and studying the Geological toposheet of the area.

Extracurricular Activities



When it comes to activities like celebrating teacher's day and fresher's welcome, we commemorate this day with great enthusiasm. The professors, who play an extremely important role in guiding and encouraging us to the fullest always deserve something great. For the new students we try to make the day special for them so that they can start their new chapter of life with great spirit.



The NAAC which took place on the 23rd and 24th of December, 2024 was a crucial event for our college as well as the department.

Being a part of the system our students played a major part in organising the event.

From participating in the events to decorating the department, they assisted for a better response.

Our NSS Camp Experience

We attended a 7-day NSS camp from 22nd to 28th January. Each day began with prayer, yoga, and singing. We cleaned the campus and nearby areas. We joined rallies and awareness programs on health, plastic, and water. In the afternoon, we attended workshops on traffic rules, yoga, and social topics.

Doctors and officers came to guide us. In the evening, we shared reports.

We learned discipline, teamwork, and the value of service.

The camp was a great and meaningful experience.



SEMINARS AND PARTICIPATIONS

HiPer International Symposium

Students from UG 1 1st sem attended the 12th HiPer International Symposium in Jadavpur University on 26th November, 2024.



National Seminar on DPE

Prerana Kar from UG 3 attended the National Seminar on DPE on 21st and 22nd of May, 2025.



PRITHVI

UG 1 student Niharika Baksi participated in PRITHVI organised by the geology department of IIT KGP.



MELANGE

The students of UG 1, 2 and 3 took part in Melange 2025, organised by the department of geology of Presidency University and secured 1st and 3rd positions in various events on 4th and 5th April, 2025.



ARCHIPELAGO

The UG 1, 2 and 3 students participated in the events of Archipelago 2025, organised by the department of geology of Calcutta University on 23rd and 24th of May, 2025.



NOTABLE ALUMNAE



Name - Debika Adhikari
Pass out year - 2018
Currently working as a Guest lecturer
in Rabindra Bharati Mahavidyalaya.



Name - Aditi Samanta
Pass out year - 2019
Currently working as a Profile and
Research associate in IndiQube.



Name - Moumita Rana
Pass out year - 2020
Currently working as a Librarian
of government sponsored rural
library.



Name - Jhuma Hazra
Pass out year - 2020
Currently working as a
Jr. GIS engineer in
Skyline Archcon(HYD) Pvt. Ltd..



Name - Swatilekha Baksi
Pass out year - 2021
Currently working as a JRF at IIT
Bhubaneswar, working on a project
entitled, 'CCD in Bay of Bengal off Mahanadi
Estuary'. Earlier worked as an Assistant
Manager (Geologist) at HZL, Vedanta PLC.

