




KABI JAGADRAM ROY GOVERNMENT GENERAL DEGREE COLLEGE

Department of Geology

DEPARTMENTAL PROFILE

Meet our Faculty Members

	<p>Dr. Aresh Kumar Maji M. Sc., M. Tech., Ph. D (IIT, Kharagpur) Associate Professor of Geology Joined as W.B.E.S in 1999 Head of the Department Contact: 9434646687 askmaji@gmail.com</p>	<p>Research Interest:</p> <ul style="list-style-type: none">✓ Thermodynamic application to petrological system,✓ Genetic modeling on massif anorthosite,✓ Field oriented petrological and geochemical problems✓ Gold exploration. <p>Publication: 09, Completed Research Project: 2</p>
	<p>Dr. Nivedita Chakraborty M. Sc., Ph. D (Jadavpur University) Assistant Professor of Geology Joined W.B.E.S. in 2015 and continuing Served 2015-2024 at KJRGGDC; currently posted at Sister Nibedita Govt. General Degree College for Girls' Kolkata-27 Contact: +91 9051510190 nivedita.jugeo@gmail.com</p>	<p>Research Interest:</p> <ul style="list-style-type: none">✓ Sedimentology✓ Sequence Stratigraphy & Basin Analysis✓ Sediment Geochemistry <p>Publication: 17, Edited book: 1 (in press); Book review: 1; Seminar/Conference/Webinar participated: 25 Seminar/Webinar/Workshop/Course conducted: 12 Research assistance: 01 (Pursuing)</p>
	<p>Dr. Indrani Mondal M. Sc., Ph.D (Jadavpur University) Assistant Professor of Geology Joined as W.B.E.S in 2020 Contact: +91 8582980987 mondalinrani59@gmail.com</p>	<p>Research Interest:</p> <ul style="list-style-type: none">✓ Proterozoic Shale Geochemistry✓ Biosedimentology, Biogeochemistry✓ Paleogeography, paleoenvironmental studies of Proterozoic sediment.✓ Precambrian life <p>Publication: 06, Seminar & Webinar: 06 Invited lecture: 01 Seminar/Webinar/Workshop/Course conducted: 06</p>

Infrastructure

1. Petrology Lab
2. Sedimentology Lab
3. Paleontology Lab
4. Rare collections of rock, mineral and fossil specimens in Geology museum
5. ICT enabled learning system (Smart class room)
6. Charts, models and maps

Best practices of the Department

1. Mentor Mentee System:

All the students of the department have been divided into small groups and each group has been assigned a teacher, to cater to their needs and solve their difficulties, be it in academics (special care for slow and advance learner separately) or any other aspect (medical, financial, mental health especially for the covid period). This system has ensured smooth and speedy solutions to the problems faced by the students. Students always acknowledge the benefit of menter-mentee system.

2. Open and Candid Environment:

The relationship between the teachers and the students of the Geology Department is remarkably open and friendly. Students can approach the teachers regarding any of their problems, not only during class hours, but any time of the day. Time spent during the geological field work strengthens the teacher-student bonding. Alumni students are always keep in touch with the teachers. They cherish the beautiful teacher-student relationship.

Future Plan

1. Extension, upgradation and improvization of Geology Museum
2. Registration of the Alumni Association
3. Intitiation of an annuanl e-magazine
4. Enhance computer: student ratio
5. Initiative for developement of the department in PG level.

✚ Students' performance in competitive exam

Sl. No.	Name of the student	Year of enrolment	Exam qualified
1.	Sourin Maity	2021-2022	CUET 2024; Total score 167
2.	Nilavo Shit	2020-2021	JAM (2022); All India Rank 213 (out of 2293)
3.	Nilavo Shit	2020-2021	CUET 2023; Total score 214
4.	Apurba Roy	2020-2021	CUET 2023; Total score 142
5.	Sunanda Choudhury	2020-2021	CUET 2023; Total score 102
6.	Arpita Pandey	2019-2020	JAM (2023); Rank 340 (out of 2293)
7.	Arpita Pandey	2019-2020	CUET 2023; Total score 220
8.	Arpita Pandey	2019-2020	JAM (2022); All India Rank 334 (out of 2581)
9.	Saptarshi Banerjee	2019-2020	CUET 2022
10.	Riya Layek	2019-2020	TET (2022); Score 93 out of 150

✚ Departmental Pride

Sl. No.	Name of student/s	Year of enrolment	Details of achievements
1.	Sutapa Sen	2024-25	Awarded for poster presentation in Invention Insight event of <i>Lithify'24</i> organized by Dept. of Geological Sciences; Jadavpur University held on 27.09.2024. Team 7: Spandan Karmakar, Kartik Mondal (secured 2 nd position) Team 5: Sutapa Sen, Subhajit Kundu (secured 3 rd position)
	Spandan Karmakar, Kartik Mondal,	2023-24	
	Subhajit Kundu	2022-23	
2.	Nipa Sen	2019-2020	Published paper in national journal. Sen, S., 2024. Stromatolites: The living relics of Earth's beginning, J. of GeoChronicle Panorama, 4 (1), p. 20-28
3.	Saptarshi Banerjee	2019-2020	Published paper in national journal. Banerjee, S., 2023. Banded Iron Formations and Their Economic Prospects with Special Reference to India, J. of GeoChronicle Panorama, 2 (2), p. 24-36.
4.	Spandan Karmakar, Kartik Mondal, Bristi Shit	2023-24	Successfully completed summer internship (06 days) in CMPDI, ECL Head Quarter from 27/05/2024 to 01/06/2024.
	Aditi Gope, Subhajit Kundu	2022-23	
	Sourin Maiti, Sathi Layek	2021-22	
5.	Nilavo Shit	2020-2021	Worked under Summer Research Fellowship Programme jointly sponsored by IASc, INSA & NASJ during July-September 2022 under the supervision of Dr Santanu Mishra, IIT Kanpur on a project entitled " <i>Experimental investigation of porosity and permeability in unconventional reservoir</i> ".
6.	Rupan Roy	2015-2016	Published paper in national journal. Roy, R., 2023. Geomagnetic field of Earth and its relation to the liquid outer core, J. of GeoChronicle Panorama, 18-23.

Students' Progression (Higher education & Placement)

Sl. No.	Name of the student	Year of admission	Year of passing	Current affiliation/ occupation	Details of higher education	Details of placement
1.	Sourin Maity	2021	2024	PG I student	Admitted to Delhi University for M.Sc.	-
2.	Apurba Dey	2020	2023	PG II student	Pursuing M.Sc in Geology, Ferguson College, Pune	-
3.	Nilavo Shit	2020	2023	PG II student	Pursuing M.Tech in Applied Geology, Dr. Hari Singh Gour University, Sagar, M.P	-
4.	Sunanda Chowdhury	2020	2023	PG II student	Pursuing M.Sc in Geology, Durgapur Government College	-
5.	Saptarshi Banerjee	2019	2022	-	Completed M.Sc in Applied Geology from Department of Geology, Presidency University, Kolkata-73	-
6.	Nipa Sen	2019	2022	-	Completed M.Sc in Geology from Department of Geology, Durgapur Government College, Kazi Nazrul University	-
7.	Biltu Chatterjee	2019	2022	Employee in Pvt. Sector	-	Geology, Mining & related work in Gemco Kati Exploration Pvt. Ltd. Plot No. 34, Bapat Nagar, Nagpur Road, Chandrapur-442401
8.	Sayantan Modak	2019	2022		Completed M.Sc in Geology from Department of Geology, Durgapur Government College, Kazi Nazrul University	-
9.	Tuhin Kundu	2019	2022	Employee in Pvt. Sector	-	Quality control and quality assurance chemist of Mini blast furnace in in Jai Balaji Industries Ltd., Unit 4, Durgapur
10.	Diptoman Singh	2019	2022	MCA 1 st year student	Asansol Engineering College	-
11.	Sumanta Kundu	2018	2021	-	-	Jai Balaji Industries, Durgapur
12.	Subhash Mondal	2018	2021	-	-	Supervisor in L&T project under contractor; Private tutition
13.	Tanmoy Karmakar	2018	2022	Business	-	-
14.	Moupia Mukherjee	2017	2020	Employee in Pvt. Sector	M.Sc. in Applied Geology from Presidency University, 2020-2022	Project Executive in NGO "Prasari"
15.	Shilpa Mondal	2017	2020	Employee in Pvt. Sector	M.Sc in Geology from Durgapur Government College, Kazi Nazrul University, 2020-22	Geologist in Novomine India Pvt. Ltd.

Sl. No.	Name of the student	Year of admission	Year of passing	Current affiliation/ occupation	Details of higher education	Details of job
16.	Rahul Kundu	2017	2020	Employee in Govt. Sector	-	Special Forces (CIF), West Bengal Police
17.	Astik Mondal	2017	2020	Employee in Govt. Sector	M.Sc. in Applied Geology from Presidency University, 2020-2022	<ul style="list-style-type: none"> • Junior Field Geologist in Mining Associates Pvt. Ltd., Asansol • Former Project Associate in CSIR-CIMFR
18.	Sourav Ghoshal	2017	2020	Private Tutor	-	-
19.	Animesh Mondal	2016	2019	Employee in Govt. Sector	M.Sc. in Applied Geology from Presidency University, 2019-2021	Geologist at South West Pinnacle
20.	Hritwik Majee	2016	2020	-	M.Sc. in Geology from Hooghly Mohsin College, The University of Burdwan, 2020-2022	Intern-Geology in United Exploration India Pvt. Ltd.
21.	Rupan Roy	2015	2019	Research	M.Sc in Geology from Hooghly Mohsin College, The University of Burdwan, 2019 - 2021	Geologist (Grade E-II) at Maheswari Mining Pvt. Ltd. in 2024-till date
22.	Amit Ghosh	2015	2019	Employee in Pvt. Sector	M.Sc in Geology from Hooghly Mohsin College, The University of Burdwan, 2019-2021	Trainee Geologist in C. E. Testing Company Pvt. Ltd.
23.	Ashis Maji	2015	2019	-	M.Sc in Geology from Hooghly Mohsin College, The University of Burdwan, 2019-2021	GDS India, M.P.
24.	Bappaditya Ghosh	2015	2018	Employee in Pvt. Sector	M.Sc in Applied Geology from Asutosh College, University of Calcutta, 2018-2020	Geologist in Mining Associates Pvt. Ltd., Asansol
25.	Biswajit Kundu	2015	2018	Employee in Pvt. Sector	M.SC from Indian Institute of Engineering Science and Technology (IIST), Shibpur, 2018-2020	Geologist (Grade E-II) at Maheswari Mining Pvt. Ltd.
26.	Debesh Gorai	2015	2018	-	M.Sc in Applied Geology from IIST, Shibpur, 2018-2020	-
27.	Somnath Kanrar	2015	2018	-	M.Sc in Geology from Hooghly Mohsin College, 2019-2021	MAPL, Orissa
28.	Subrata Nandi	2015	2018	Employee in Pvt. Sector	M.Sc from University of Calcutta, 2019-2021	Exploration Geologist in GDS (INDIA) Consulting Geologist and Mining Engineers
29.	Abhijit Kundu	2015	2018	Employee in Pvt. Sector	M.Sc in Geology from Hooghly Mohsin College, 2019-2021	Junior Geologist in Indian Mine Planners & consultants
30.	Subrata Laha	2015	2018	Employee in Pvt. Sector	M.Sc in Applied Geology from Asutosh College, Kolkata; 2018-2020	Assistant Manager in DMR Hydro Engineering & Infrastructure

Student participation in academic programmes outside the college

Sl. No.	Name of student	Year of Enrolment	Details of activity
1.	Sutapa Sen	2024-25	Awarded for poster presentation in Invention Insight event of <i>Lithify'24</i> organized by Dept. of Geological Sciences, Jadavpur University on 27.09.2024.
	Spandan Karmakar, Kartik Mondal,	2023-24	Team 7: Spandan Karmakar, Kartik Mondal (secured 2 nd position for poster " <i>Forensic Geology: Linking Earth Science to Criminology</i> ")
	Subhajit Kundu	2022-23	Team 5: Sutapa Sen, Subhajit Kundu (secured 3 rd position for poster " <i>Geo-tourism in India and Beyond: A sustainable exploration of Earth's wonders</i> ")
2.	Spandan Karmakar, Kartik Mondal, Bristi Shit	2023-24	Successfully completed summer internship (06 days) in CMPDI, ECL Head Quarter from 27/05/2024 to 01/06/2024.
	Aditi Gope, Subhajit Kundu	2022-23	
	Sourin Maiti, Sathi Layek	2021-22	
3.	Aditi Gope	2022-23	Participated in Interactive session on prospects of Earth Science in academia and industry Sponsored by West Bengal academy of Science and Technology (WAST) organized by Department of Geology, Durgapur Government College on 26.09.2024
	Brishti Shit Spandan Karmakar	2023-24	
	Samir Mondal	2024-25	
4.	Sunanda Choudhury	2023-24	Completed online course on "Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System" conducted by ISRO held during 28.08.2023-17.11.2023 being the registered participant from Bankura Christian College the host institution
5.	Apurba Dey, Sunanda Choudhury	2022-2023	Participated in all the events of Mèlange 2023 help on 29.04.2023 at the Geological Institute, Presidency University, Kolkata
6.	Biltu Chatterjee, Arpita Pandey	2021-2022	Participated in District Youth Convention 2022 organized by Bankura Christian College in collaboration with Nehru Yuva Kendra Sangathan, Bankura; Ministry of youth and sports, Govt. of India held on 16.02.2022
7.	Biltu Chatterjee, Nipa Sen, Ria Layek, Arpita Pandey, Saptarshi Banerjee, Diptoman Singh, Sayantan Modok, Tuhin Kundu	2021-2022	Attended national level lecture-cum-workshop titled Deformation of the continental crust: From satellite to microscope by Dr. Sayandeep Banerjee (BHU) held on 02.03.2020 at Dept. of Geology, Govt. General Degree College, Manbazar-II, Purulia
	Tanmoy Karmokar	2020-2021	
8.	Animesh Mandal, Hritwik Maji,	2016-2017	Participated in student activity programme entitled <i>Geo-symposium 2018</i> on 23.03.2018 sponsored by CAS (Phase VI) in the Department of Geological Sciences, Jadavpur University.
	Moupia Mukherjee, Shilpa Mondal	2017-2018	

9.	Rupan Roy, Subrata Nandi, Bappaditya Ghosh	2015-2016	Presented poster on Unconventional Energy Resources and participated a workshop entitled <i>one day seminar and poster presentation on recent frontiers in earth sciences</i> on 15.09.2017 organized by Dept. of Geology, Presidency University sponsored by CAS (UGC) & Presidency University
10.	Subrata Nandi, Amit Ghosh, Bapyaditya Ghosh	2015-2016	Participated in the quiz section of inter-college youth parliament in 2017
11.	Biswajit Kundu, Subrata Nandi, Amit Ghosh, Debesh Gorai, Bappaditya Ghosh, Avijit Kundu, Subrata Laha	2015-2016	Attended a lecture by Prof. Sudipa Sengupta on “ <i>Antarctica: A continent for science</i> ” in <i>Lithify'17</i> on 04.03.2017 organised & sponsored by Dept. of Geological Sciences, Jadavpur University & CAS Geology Phase VI
	Animesh Mandal, Hritwik Maji	2016-2017	

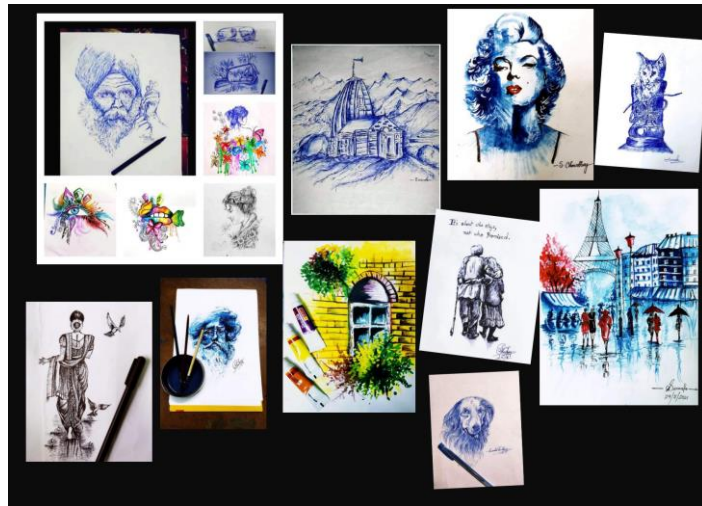
Departmental activities (Seminar/Webinar/Workshop/Course/Others)

Sl. No.	Date	Brief Description
1.	21/10/2024-30/10/2024	Certificate course on “Antarctica: Exploring a continent of wonders” (Hybrid Mode)
2.	09/10/2024	Summit 2024: First reunion of Department of Geology
3.	13/03/2024	One Day Workshop on “Learning Modern Riverine Sediments in Damodar Basin” organized by Department of Geology
4.	13/03/2024	A Carrier counseling programme and interactive session for students on prospects of Earth Science in academia
5.	22/04/2023-23/04/2023	Two-day online National Workshop on “Ichnology: Conceptual tools and methods” organized by Department of Geology
6.	14/03/2023	One-day Seminar on “Clay minerals and their applications in Earth Sciences” organized by Department of Geology
7.	13/03/2023	A One Day Field cum Workshop on “Study of Modern Sediments In Damodar River Basin” organized by Department of Geology
8.	13/03/2023	Seminar on “Career guidance for students in National Examinations: An interactive session” organized by Department of Geology
9.	23/08/2022	Webinar on UGBS (Geology) in connection with the syllabus revision (through google meet) organized by Department of Geology, Kabi Jagadram Roy Government General Degree College with stake holders
10.	31/07/2022	Online workshop on Learning outcomes based curriculum framework (LOCF) for six semester B.Sc (Geology Honours & Programme) & under Choice based credit system (CBCS) organized by UGBS, Geology, Bankura University and conducted by Department of Geology, Kabi Jagadram Roy Government General Degree College
11.	03/06/2022	One-day online International Workshop on “Fundamentals of Planetary Science: Methods and Scopes organized by Department of Geology.
12.	24/03/2022	Seminar on “Functional traits, ecology and phylogeny” organized by Department of Geology
13.	06.01.2022	Online Student seminar on general and interesting topics of the Earth Sciences organized by Department of Geology
14.	20/11/2021-21/11/2021	Two-day online National Seminar on “Modern Trends in Earth Sciences” organized by Department of Geology

✚ Extracurricular Activities of Our Students



Sunanda Chowdhury-
Marvellous Painter



Saptarshi Banerjee-
Melodious Singer, Writer



Riya Layek-
Brilliant Handicraft
Designer





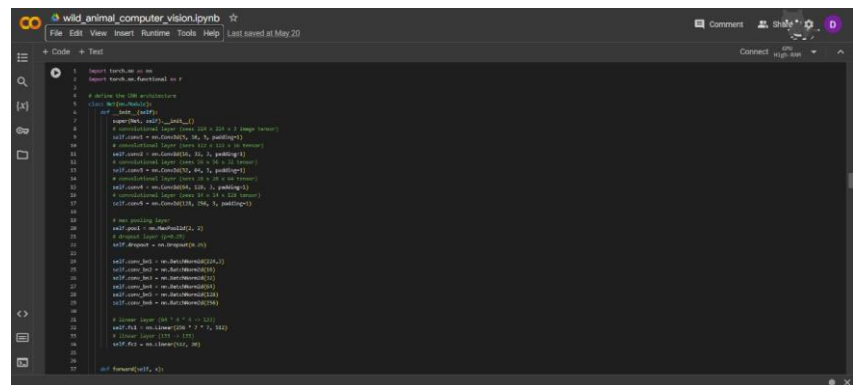
Sourin Maity-
Loves Nature Photography



Diptoman Singh -
Computer specialist,
passionate about coding
and web development



Sorting Visualizer project (Html, CSS, JavaScript and Node.js):
An interactive software application that allows users to visualize the sorting algorithms in action. (https://github.com/DipSinh05/Sorting_Visualizer.git)



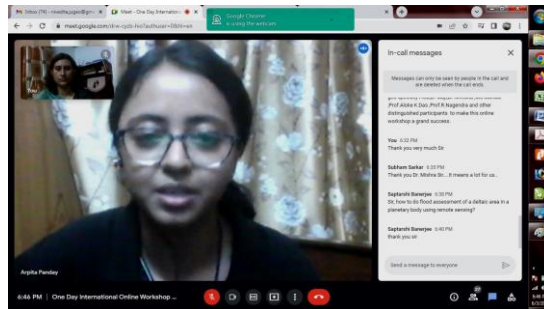
Wildlife classification & detection project using A.I/M.L (Python): Aims to use Artificial Intelligence and Machine Learning to classify and detect wildlife species involving use of image recognition algorithms and deep learning models to accurately identify different species from images.



Spandan Karmakar-
Talented Singer and Painter



Arpita Pandey-
Good Speaker



Kartick Mondal-
Sportsman (plays cricket)

