



Debiprasad Majee
Earth Sciences
Indian Institute of Technology, Kanpur
Specialization: Tectonics & Petrology

1123264
PhD
Gender: Male
DOB: 27-10-1998



Examination	University	Institute	Year	CPI / %
Post-Graduation	IIT Bombay	IIT Bombay	2021	8.53
Graduation	Kazi Nazrul University	Durgapur Government College	2019	8.37
Graduation Specialization: Geology				
Intermediate	WBCHSE	Bhamuria Sashimukhi High (H.S.) School.	2016	81.40%
Matriculation	WBBSE	Bortoria High School.	2014	85.57%

MAJOR FIELD WORKS

Working area-Ambaji, Gujarat. Guided by – <i>Dr.S. Mukherjee</i> <i>Dr.S.Dasgupta.</i> [Dec' 2019]	<input type="checkbox"/> Observed various small scale and large-scale structural features with their clear shear sense in Surpagla. <input type="checkbox"/> Sequence of emplacement from the cross-cutting relationship. <input type="checkbox"/> Carried out Litho-contact mapping near the Koteswar. <input type="checkbox"/> Complex interference fold identified in Talleti. <input type="checkbox"/> Visited Mt. Abu and observed many shear sense in the Mt. Abu Granite and spheroidal weathering.
Working area-Udaipur, Rajasthan Guided by – <i>Dr.Prabal</i> <i>Kr.Chattopadhyay</i> <i>& Dr. Supratim Pal</i> [Nov'2018]	<input checked="" type="checkbox"/> Collected samples of stromatolites from Jhamarkotra . <input checked="" type="checkbox"/> Visited Baroi and Zawar Mines and gathered some basic ideas of drilling methodologies and introduced to the basic underground mining terminology, shaft, adit, ramp, etc. <input checked="" type="checkbox"/> Studied the contact between Malani Igneous Suite and Jodhpur sandstone and observed different Sedimentary structures.
Working area- Ghatsila, Jharkhand Guided by- <i>Mr. S.S. Rej</i> <i>Dr. Supratim Pal</i> [Mar'2018]	<input checked="" type="checkbox"/> Learned basic structural and lithological mapping in and around Ghatsila. <input checked="" type="checkbox"/> Visited Singbhum shear zone and Dalma volcanics and gathered some basic knowledge about these geologically significant places. <input checked="" type="checkbox"/> Visited Chandil dam.
Working area-Chandipur, Odisha Guided by- <i>Dr. S. Sengupta,</i> <i>Dr. D. Chakraborty,</i> <i>Ms. Pritha Goswami</i> [Mar'2017]	<input checked="" type="checkbox"/> Analysed different sedimentary and biogenic structures associated with intertidal environment. <input checked="" type="checkbox"/> Studied the recent marine life forms present in the tidal flat region. <input checked="" type="checkbox"/> Observed different coastal geomorphological features.
Working area-Raghunathpur, Purulia Guided by- <i>Dr. Supratim Pal</i> <i>Dr.</i> <i>A.Chakraborty</i> [Oct'2016]	<input checked="" type="checkbox"/> Learned the basic field techniques like measurement of strike and dip, step compassing etc. <input checked="" type="checkbox"/> Introduced to some rock types and collected samples.

SCHOLASTIC ACHIEVEMENTS

- Qualified GATE 2021.
- Secured a percentile of **93.00** in **Joint Admission Test for M.Sc. (IIT-JAM)**.
- Graduated with **1st Division** in B.Sc. from **KAZI NAZRUL UNIVERSITY, WB** including 16 core and 4 elective papers of Geology and Physics, Chemistry, Mathematics & Indian language.
- Achieved **3rd Position** in **STAR TALENT EXAMINATION** in class X.

DISSERTATION AND INTERNSHIP

- Dissertation Topic:” *Deformation Mechanisms in the fault-propagation folds associated with: The Kutch Mainland Fault (KMF)*”.

From the entire observation it can be concluded that, the KMF could have been a normal fault during the ancient rift stage, but subsequent reversal during structural inversion resulted in normal fault initially reactivated into strike-slip faults, along with the initiation of a thrust fault at depth. Continued compressive stress finally resulted in fault propagation folding of NHR on to the south dipping reverse fault.

Guide: **Prof. Malay Mukul**, Department of Earth Science, IIT Bombay.

COURSE PROJECT

- Project Topic:” *Geology of The Neyveli Lignite and Associated Hydrogeological Problems*”

Guide: **Prof. S.S. Chinnasamy**, Department of Earth Sciences, IIT Bombay.

- Detailed study of the Geology & Stratigraphy of the Neyveli Region.
- Types of mining techniques followed for the exploitation.
- Associated major hydrogeological problem and how these aquifer related problems are being resolved for the continuation of mining.

e-TRAINING & INTERNSHIP

<p>“<i>Mineral Prospecting & Exploration Principles</i>” by National Centre for Mineral Targeting, GSITI, Hyderabad, from 30.07.2020 to 01.08.2020.</p>	<ul style="list-style-type: none"> ➤ Geochemical and Geophysical Methods used for Mineral Exploration. ➤ Basics of Resource Estimation and Reserve Calculation of a Mineral Deposit. ➤ Concept about Mineral System and Different Types of Mineral Deposits (i.e. Sedex, VMS, Placer, Skarn deposit etc.)
<p>Summer Internship on the topic of, “<i>Deep water Depositional Settings</i>” at ONGC, Dehradun. June,2021 -July,2021</p>	<ul style="list-style-type: none"> ➤ Sediment and Sedimentation processes involved in Deep water environments like Submarine Fan, Channels and Levee deposits. ➤ Deep water Petroleum System (Source rock, Reservoir Rock, Seal Rock and Trap Rock). ➤ Case study on the Mahanadi Basin and its tectonic evolution

POSITION OF RESPONSIBILITY

- **EVENT COORDINATOR:** Carried out my responsibilities as the *Coordinator of Event Department*, of the National-level Technical Symposium "Protolith 2020", held by Department of Earth Sciences, IIT Bombay.

The program was set to be held from 22nd to 24th March, but was postponed.

<ul style="list-style-type: none"> • VOLUNTEER, Half Marathon, 13th Oct 2019, IIT Bombay 	<ul style="list-style-type: none"> ➤ Keep eye all the time on the arrangement and supply for food for the participants in the stalls. ➤ Push their enthusiasm for completing their race.
<ul style="list-style-type: none"> • HEAD ORGANIZER, Food and logistic department, Accretion'2018, DGC. 	<ul style="list-style-type: none"> ➤ Responsible for supervising all transport and on spot management for the event. ➤ Make arrangement of foods for all the alumni's, current students and faculties.

EXTRACURRICULAR ACTIVITIES

- Played in the winner team in the Intradepartmental Cricket Tournament, IIT Bombay.
- Secured 1st position in **Drama**, “Child Labor and Its Effects” at the Jeevan Jyoti Complex, LICl.
- Participated in seminar cum workshop on “**Bird Survey and Wildlife Photography**” as a part of a program “**Know Your Campus**” organized by Department of Zoology & Botany, DGC.
- Passed Primary Year Examination in **Painting** and was placed in 1st **Division** from the “**NIKHIL BHARAT SANGEET SAMITI**” Kolkata.