



PARVATIBAI COLLEGE COLLEGE OF ARTS  
AND SCIENCE (AUTONOMOUS)  
DEPARTMENT OF GEOLOGY



# GEOS

## NEWSLETTER

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### Editor's Note

Dear Readers,

In this edition, we are excited to present a comprehensive overview of the remarkable projects, achievements, and activities undertaken by the Department of Geology and our esteemed club, Nebulites.

I want to take this opportunity to express my sincere appreciation to my entire team for their unwavering support and dedication throughout the process.

As you delve into the pages of this issue, we hope you are inspired by the innovative initiatives and impactful endeavors highlighted within. Thank you for your continued interest and support.

Nimisha Borkar  
(S.Y. Geology)



*Goa Geological Expedition: From Borim's landslides to Ganjem's Barrage, students dive deep into learning with Faculty members Sachit B. Kuttikar and Swati Ghadi. #FieldTrip*

Held on 20/03/2024

# CLUB NEBULITES ACTIVITIES

SEPTEMBER 2023 - JANUARY 2024

## Cricket Tournament 2023

The Department of Geology had organised a Nebulites Cricket Tournament on 15th September 2023. The students of the department were divided into four teams. Each team had Five overs, 3 overs for boys and 2 for girls.



-Varada Naik

## Guest lecture by Prof. Dr. A G Dessai

On October 18, 2023, an enriching lecture took place within the Geology Department, welcoming the esteemed guest, Prof. Dr A.G. Dessai. With a wealth of experience and expertise in the field, Dr. Dessai captivated the students with his invaluable insights on geology and environmental issues of Goa



His visit left a lasting impression, encouraging students to approach their studies with renewed vigor and a deeper understanding of the critical role geology plays in addressing contemporary environmental challenges.

-Nimisha Borkar

## Nebula 2024



The Department of Geology, Parvatibai Chowgule College of Arts & Science (Autonomous) in association with 'Club Nebulites' had organized an event 'NEBULA 2024' for students of higher secondary schools on 12th January 2024.

The event aimed at spreading awareness about geology and inspiring young minds to develop enthusiasm and interest of the subject. The event was graced by the presence of Dr. Mirza Javed Beg, Scientist-G and Group Director (Expeditions & Operations), ESSO-National Centre for Antarctic and Ocean Research (NCAOR), who was invited as the Chief guest. The next guest speaker was Mr. Malcolm Afonso, an alumni of the department who currently works as a Geospatial consultant and founder of Geosensitive which is a premier geospatial services provider located in Margoa, Goa. He shared his experience with us.

## Mineral Day 2023



The department of Geology conducted Mineral day 2023-24 for Club Nebulites, FY Major and Minor students of Geology on 01st September 2023 at 2.30 pm onwards in the Geology Department.

The activity/event for the programme were Pictionary, Quiz, Head up and Treasure hunt. There were total of four teams i.e., Team A, B, C and D. Overall Team C won the competition for mineral day. The event was successful, the students had a great time participating and interacting with each other.

-Menoshka Vaz



The Nebula event of 2024 was a great success, despite facing challenges in selecting the date due to guest availability and higher secondary school schedules. However, what truly stood out was the teamwork and exchange of creative ideas among everyone involved. Each student from the geology department contributed their unique ideas, showcasing the power of teamwork and collective effort.

- Rochelle Salema

# STUDENTS ACHIVEMENT

JANUARY 2024- MARCH 2024



## Club Nebulites bags 1st place at Geosphere 2024



On February 21, 2024, Nyanprassarak Mandal's College and Research Centre (DMC), Assagao-Goa, in collaboration with the Geological Society of Goa, hosted the intercollegiate event Geosphere 2024. The event commenced with Dr. Prof. Dilip B Arolkar, Principal of DMC College, delivering opening remarks. Dr. Duraiswami Raymond A, Associate Professor from Saitribai Phule Pune University, delivered a keynote address on 'Tracking the rise of Himalayas', sharing insights from his field experiences and showcasing captivating Himalayan footage. Dr. Mahesh Badnal, a Scientist from the National Centre for Polar and Ocean Research, discussed 'Lacustrine basin' in Antarctica, emphasizing climate change and its impact on the Goan coastline.

Following the lectures, the afternoon featured four engaging events: Rock hound, Geo-oratory, Pic-trick, and Orogeny (Model making). Notable mentions include Siya Vernekar securing 2nd place in Geo-oratory, Preeti Ekawade and Cherlyn Cardozo earning 2nd place in Orogeny (Model making), Reylan Rodrigues and Varada Naik clinching 2nd place in Pic-trick, and Somesh Dessai receiving the consolation prize for Geo-oratory. Parvatibai Chowgule College of Arts and Science (Autonomous), Margao, emerged as the overall winner. It was an enriching experience for all participants.

-Sahana S.H

## Academic Milestones for the Year 2023-2024

### GUART ranking for MSc Applied Geology

Students	Rank obtained
Viresh Kaskar	2
Emlan Barreto	6
Hritvik Sardessai	8
Menoshka Vaz	23
Rochelle Salema	30
Tejas Gawade	31



The entire graduating batch of 2021-24 from our department has excelled in the GUART 2024 examination, conducted by Goa University for admission into master's degree programs. Their exceptional performance has resulted in high scores across the board, reflecting their dedication and academic prowess.

## Third Year Project

As third-year geology students of the 2021-2024 batch, guided by Ms. Swati Ghadi, we embarked on a challenging project to explore the petrological characteristics and structural attributes of banded iron formations (BIFs) in the Canaguinim area. Witnessing the transformations these formations underwent over millions of years was truly captivating. In the field, we observed how BIFs record deformation over time, displaying various structural features like folded laminations, cataclasites, and plunging folds.

Through studying these structures, we gained insights on how mineralization is influenced by the structural elements. We're immensely grateful for the opportunity to utilize the lab facilities at NCPOR for studying opaque minerals under the ore microscope, that helped us complete the project on time.



-Menoshka Vaz

## Shining Bright: Ms. Apoorva Pimprikar (TY 2022-23 Batch) Sets the Bar High with All India Rank 472 in GATE 2024



Celebrating the outstanding achievement of our esteemed alumna, Ms. Apoorva Pimprikar (TY 2022-23 Batch), who has exemplified excellence by securing an exceptional All India rank of 472 in the GATE 2024 examination.

Her remarkable accomplishment not only reflects her dedication and hard work but also serves as an inspiration to current and future students.

## Mr. Kiran Desai's Ongoing Support Fuels Student Growth in Geology

We extend our thanks to our alumnus, Mr. Kiran Desai, for his unwavering commitment to nurturing the next generation of geologists. Through his continued provision of internship opportunities, our students gain invaluable field experience crucial for their career aspirations in geology.



This academic year also witnessed 4 of our students benefitting from the internship provided by Mr. Kiran Desai. His generosity and foresight inspire us all, reinforcing the enduring bond between our alumni and our educational community.

## Empowering Our Research Endeavors: A Generous Contribution from Alumnus Akash Mokal Secures Our Department a Sophisticated Petrological Ore Microscope



With the acquisition of a cutting-edge ore microscope from Censico, generously provided by alumnus Akash Mokal, who is currently working as a Ventilation Engineer at Liontown Resources, Australia, our department takes a leap forward in research capabilities.

Unlike conventional models, this microscope uniquely combines features of both transmitted and reflected light microscopy, enabling the characterization of opaque minerals. This addition to our lab facility promises to enrich practical content in courses like Ore genesis and fuel innovative research endeavors, marking a significant milestone in our pursuit of academic excellence and scientific exploration.

## Alumni contributions through Guest Lectures (2023-24)

During the induction ceremony of Club Nebulites 2023-24, attendees were treated to enlightening talks by industry experts. **Ms. Anisha Verencar**, Research Scholar at NIO, Goa, captivated the audience with her presentation on 'Fluid-induced metasomatism in Neo-Tethyan sub-arc mantle'. This was complemented by Mr. **Sirrom Ozorio**'s insightful discourse on 'Sensors used in Mud Logging', drawing from his rich experience as a Senior Mudlogger at Geolog International, Saudi Arabia.

Additionally, **Mr. Malcolm Afonso**, Founder of Geosensitive, shed light on 'Career options for geoscience students in the field of GIS', inspiring the young minds of Nebula 2024.



*We are grateful to our dedicated alumni for their unwavering support, through their diverse contributions*

# Bidding farewell to a beloved teacher, Sir H.S. Nadkarni



With a heavy heart we bid a farewell on 30th January 2024, to the illustrious Sir Harish S Sinai Nadkarni, an exemplary teacher who has who has devoted 40 years of his life molding countless young minds, through his inspirational teaching and offering invaluable guidance and counselling.



Sir H S Nadkarni completed his Graduation from Dhempe College, Goa in 1982 and further completed his post Graduation in Geology from St. Xavier's College, Mumbai in 1984. His tenure at Smt. Parvatibai Chowgule College of Arts and Science, commencing on August 17th, 1984, witnessed his multifaceted contributions, from serving as the Head of the Department of Geology to assuming roles such as N.S.S. coordinator, Controller of Examinations, IQAC Coordinator etc. His tenure as Vice Principal left an indelible mark on the institution, spanning from 2015 to 2021. With the most significant contributions done during the implementation of autonomy in the years 2015-2016. In recognition of his unwavering dedication to nation-building through education, the Rotary Club of Margao Midtown, in collaboration with India Literacy Mission, bestowed upon him the prestigious "Nation Builder Award" in 2017.

Throughout his teaching Sir Nadkarni not only imparted knowledge but also instilled a passion for geology in numerous students. I consider myself blessed to have his guidance during my time as a student when I was wasn't sure if I was meant for Geology. It was only because of the assurance I received from sir's counselling that I dared to take up Geology as a career. In the following years I learnt that there are so many more like me who owe their successful careers to Sir Nadkarni's guidance.



I also had the privilege to work with sir as a colleague, where I got to experience his leadership qualities. As a mentor sir has always been very supportive towards novel ideas and motivated us for newer challenges. No matter senior or junior every member felt included and valued. Sir has always had this knack for handling stuff with finesse, whether it's sorting out admin headaches or simply lending a compassionate ear.



As a witness to his farewell festivities, with a stream of former students and colleagues walking in and out of the department, for almost a month.. with flowers and gifts and genuine smiles and teary eyes.. I couldn't help but ponder over the magnetism that drew them to him. Behind his charming nature lies a profound sense of genuine connection, that were forged through selfless acts of support and kindness in times of need.

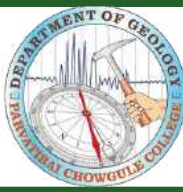
As Sir Nadkarni embarks on a well-deserved retirement, the weight of carrying forward his legacy looms large. May we, his successors, strive to match his dedication, wisdom, and altruism, ensuring that his contributions to our department endure for generations to come.

**A special thanks to all alumni who joined us for Sir's retirement celebration over a short notice.. and apologies to those with whom we couldn't connect.**



- By Swati Ghadi

# Community Engagement & Farewell



## Social Outreach

Faculty from the Department of Geology actively participated in the **Vidhyan Dhara Lecture Series**, third Edition 2024 initiated by Directorate of Higher Education to celebrated National Science Day 2024 in the month of February 2024 with the objective of introducing geosciences to the young minds.

- Mr Sachit Kuttikar delivered a talk on - Unveiling the daily application of rocks and Rocks and their Significance at Anjuman Himayatu Islam High School, Baina Vasco da Gama, Infant Jesus High School, Cuncolim and St Francis Xavier High School, Macasana Salcete.
- Ms Siddhi Shirodkar delivered a talk at Chandranath Education Society High School, Quepem and The New Educational Institute Curchorem.
- Ms Swati Ghadi delivered a talk on Geology and related career opportunities at AIMS, Salcete; United High School, Cuncolim ; Crescent High School, Fatorda and St Jude High School, Betalbatiem.



## Third Year Gown Ceremony & Farewell



A heartfelt farewell was organized for the graduating Third Year students through the collaborative efforts of SY, FY, and departmental staff. The occasion was marked by engaging interactions, spirited games, and memorable bonding moments, serving as a final cherished gathering before the TY students bid us a permanent adieu.

In a ceremonious display of achievement, TY students donned their caps and gowns, gracefully bidding farewell to their college years and embracing the dawn of new beginnings.



*"Wishing the TY Batch 2023-24 endless success and fulfillment in all their future endeavors!"*

**Disclaimer:** The opinion and news appearing herein are those of the editorial team and not necessarily those of Principal or The Management.