



NEWSLETTER

July 11, 2023 Volume 10
Issue 1

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Editors Note

Dear Readers...

In this issue, we will recount the various projects, achievements and activities by the department of geology and club Nebulites. A huge thank you to all the people who have contributed in creating this amazing newsletter issue. I thank my whole team for their help and support.

~ Menoshka Leanza Vaz
(SY 2022-23)

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Student Fieldtrip at Pallolem



Student Fieldtrip at Nuem Beach

CLUB NEBULITES

HIGH ACHIEVERS



Apoorva Pimprikar

Ms Apoorva Pimprikar, & Mr. Malcolm Afonso, Assistant Professor, co-authored a chapter, "A study of applications of Remote sensing in agriculture and plant sciences" in a book titled, "Interdisciplinary Research on Agriculture and Plant Sciences", ISBN No: 978-93-91248-11-6

Padam Singh Rajput TYBSc 2022-23

- Padam was Selected for NCC Super 30 SSB Capsule from Karnataka and Goa Directorate ,only SD (Senior Division) from Goa.
 - He also got Selected for the IMA (Indian Military Academy) Attachment which was held in Dehradun (that was conducted only for SD)
 - Padam is the 1st SD to represent Goa in a decade
- He has got selected as the Youth Ambassador of India in the YEP- Nepal Delegation 2022-23 (Youth Exchange Programme)



Frederick Dias FY BSC 2022-23

- Represented college at State Level Badminton Tournament, Chicalim, Vasco Da Gama between 13th-15th August 2022
- Participated in National level Badminton Tournament at Manohar Parrikar Stadium, Navelim in the month of July 2022
- Represented junior Vasco badminton league.

Akshay Singh Rajput- TY BSC 2022-23

- Apollo training first-aid camp that was held on 22nd September in New Delhi.
- Army attachment training camp in Belagavi
- It was a 11-day camp from the 6th - 17th November.
- Shivaji trail track 2022 it was in Kolhapur Maharashtra.
- From the 18th of November -25th November
- He also represented the parade that was held on the 19th of December at Panjim



Compiled By
Cherlyn Gayle Cardozo (FY 2022-23)

FACULTY DEVELOPMENT

- Ms Swati Ghadi Participated in 1 Week National Level Online Faculty Development Program on Outcome Based Education (OBE) organised by the IQAC of JPM Arts and Science College, Kanchiyar, Idukki, in association with ipsr solutions limited, Kottayam from 16 February to 22 February 2023
- Ms Swati Ghadi & Mr Sachit Kuttikar attended a 3-day workshop on Petrological Phase Diagrams and Geomorphological Tools for Terrain and Coastline Evaluation from 9th March to 11th March 2023, Organised by School of Earth, Ocean and Atmospheric Sciences, Goa University.

Mr Sachit Kuttikar attended

- One day Workshop on Inclusiveness & Equality of Person with Disability organised by VVM Govind Ramnath Kare College of Law, Margao-Goa.
- One day state level Conference on Interdisciplinary Approach towards Environment & Management organised by Dnyanprassarak Mandal College & Research centre, Assagao Goa
- One day workshop on Topic-Dawn of Space Exploration, Master class series at Sanskruti Bhavan, Directorate of Art & Culture–Panaji Goa
- One-day Faculty Development Programme on 'Enhancing Final Year Student Projects' for non-PhD Regular faculty of Higher Education Institutes in Goa. It is being organised by the Directorate of Higher Education (DHE) in association with Goa State Higher Education Council (GSHEC), Goa State Research Foundation (GSRF) and Goa University.

Third Year Student Project 'SEDIMENTOLOGICAL STUDIES ALONG THE COAST OF GALGIBAG'



The golden sand, coconut trees, turtle nestling and vast sand stretch of Galgibag beach make it one of the most pristine beaches in Goa . What adds to it's beauty is the River Galgibag that meets the sea at the southern end. The river deposits sediments as it enters the sea, thus widening the beach. The

objective of our project was to study the characteristics of the sediments of this deposited sand bar and infer the sedimentology of the area. The project has been completed under the guidance of Prof, H.S.Nadkarni.

For the purpose of this project, we surveyed the beach and collected sand samples from both riverside and sea side coast. The samples are then dried, weighted and sieved to study its physical properties. Further analysis will help to infer the sedimentology of the chosen area.

The project has exposed us to more of field work, sample collecting techniques, and processing them for grain size and shape analysis.

*Contributed By
ApoorvaPimprikar (TY 2022-23)*

OUTREACH ACTIVITIES

Two faculty from the department of Geology were invited as resource person for delivering talks for the "Vidnyan Dhara", a mega science series programme organised by The Directorate of Higher Education (DHE) and Goa State Higher Education Council (GSHEC). Ms Swati Ghadi delivered a talk on 'Sustainable Mining', at the Government High School, Vidhyanagar on 15/02/2023 and Mr Sachit Kuttikar delivered a talk & demonstration on "Application of sedimentary rocks' at Santa Cruz Higher secondary school, Santa cruz

ACTIVITIES OF THE CLUB NEBULITES



Induction ceremony of office bearers of Club Nebulites 2022-23

The Induction Ceremony for the office bearers of Club Nebula, Department of Geology was held on 17 September 2022. The occasion was graced by the presence of Dr. Thamban Meloth, Director of the National Centre for Antarctic and Ocean Research, as the Chief Guest. The members of the club were officially inducted as the office bearers, the team led by Miss. Apoorva as the President of the club. The students of the department of Geology were then awarded for their achievements of the year. Dr. Thamban Meloth delivered a talk on the various career paths in Geology and Earth sciences and his own experiences working on projects in Antarctica.



Dr. Thamban Meloth



Shri H S Nadkarni

SPORTZZZ

On 01 October 2022, Club Nebula, Dept of Geology organized an interclass Futsal Tournament for the Geology students in the Tiger's Ghol. The final match was played between the FY team 2 and the SY's which was won by the FY making them the champions of the Futsal Tournament.



Independence day celebration

Club Nebulites of the Geology Department celebrated the 76th Independence Day of India on 15th August 2022. To celebrate the event, the students of FY participated in poster making, expressing their patriotism through colours on canvases. The brief presentation of the posters was followed by the patriotic singing by the SY. Miss Apoorva from the Ty gave a speech. The celebration ended with the singing of the National Anthem.



NEBULA 2023



Dr. Sunil V

The Department of Geology, Parvatibai Chowgule College of Arts & Science (Autonomous), Margao, Goa, in association with 'Club Nebulites -a student venture', had organized an intercollegiate event 'NEBULA 2023' for students of higher secondary schools and colleges on 01st March 2023. 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. Sunil V, Scientist D & Scientist-In-Charge – Deep Sea Survey and Exploration from National Centre for Polar and Ocean Research (NCPOR), who was invited as the Chief guest. He presented an informative talk on deep sea minerals deposits.

The next guest speaker for the event was Mr. Akash Mokul, an alumnus of the department who currently works as drill and blast engineer at Panoramic resources in Australia. He shared his experience working in underground mines and briefed the students regarding the various processes deployed in mining operations. **We thank Mr Akash Mokul for his generous contributions for sponsoring the event.**



Fr. Agnells Multipurpose Higher Secondary School stood out as the overall winners of Nebula 2023 in the higher secondary category and Government College of Arts, Science and Commerce, Sanquelim were declared winners in the college category.

ALUMNI-ACADEMIA CONNECT -2022

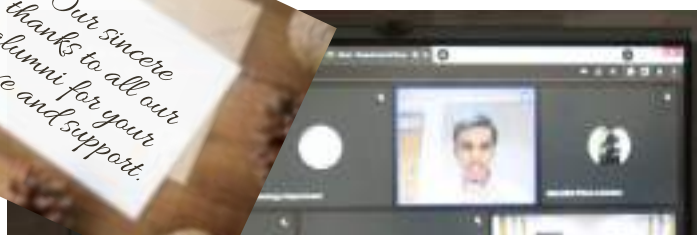
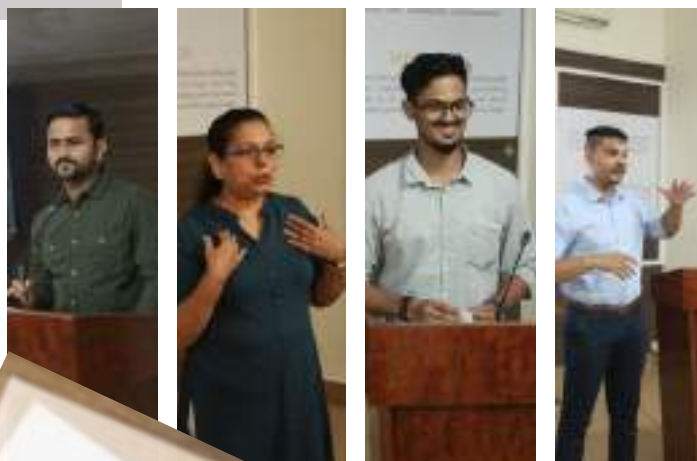
A PATHWAY FOR CAREER OPPORTUNITIES

The Department of Geology organized an 'Alumni Academia Connect – Chapter 1: A Pathway for Career Guidance' on 19th and 20th May 2022. The main objective was to facilitate students to explore various career opportunities in the field of Geology and create awareness about the various domains. The event was organized to commemorate 60 years of establishment of Chowgule College.



The following alumni spread across different continents interacted with the students in the offline and online mode.

- Dr. Pratima Kesarkar, Scientist, National Institute of Oceanography, Dona Paula
- Sachitanand Tiwari, Senior Geologist, Exploration and Mining, Katanga Copper Belt, Rubamin, DR Congo.
- Roshan Miranda, Petroleum Geologist, British Petroleum, UK
- Deepti Lotlikar, Associate Manager, Mining Services Department, Vedanta Limited.
- Sanford Mascarenhas, Assistant Geologist, Directorate of Mines and Geology, Goa.
- Akash Mokul, Mining Engineer, Australia
- Muller Gomes, Mudlogger, Oil Field Instrumentation, Kuwait (KOC Project).
- Dr. Purushottam Verlekar, Assistant Professor, Department of Geology, Dnyanprassarak Mandal (DMC) College and Research Centre, Assagao, Goa.
- Clifford Pereira, Engineering Geologist, Fugro APAC (Asia Pacific)
- Shravan Prabhu, Geospatial Consultant, Council on Energy, Environment and Water, New Delhi.
- Satyam Sadekar, Geophysicist, Fugro, United Kingdom.
- Brahmanand Sawant, Assistant Professor, Department of Geology, Government College of Arts, Science and Commerce, Sanquelim – Goa
- Praveena Miranda, Gemmologist/Jewelry Product Manager, Damas Jewellery, UAE.
- Kiran Sawant Desai, Proprietor and Hydrogeologist, Dip Direction Company Ltd, Goa.
- Ajay Terdalkar, GIS Engineer, Garmin Technologies
- Akshay Kelkar, Mining Engineer, Australia.



Alumni Speaks...



Akash Mokul

Mining engineer with Panoramic Resources, Australia.



Interviewed by
Preeti Ekawade
FY student 2022-23

"We'll never stop questioning. Never feel that you have learned enough.. because there's always room for improvement.
Geology is a very versatile field. You don't have to have tunnel vision about geology or earth sciences because this field also opens your pathway to geoinformatics, GIS, Marine biology, Subsea Engineering, Petroleum engineering, mining engineering, palaeontology, archaeology, gemmology, and many other fields. There is a very big world out there, and it is in need of very good talent especially in science-related fields so always keep yourself open to any sort of offers and opportunities"

Find out what our alumni, Mr Akash Mokul, has to say.. who is currently working as a mining engineer with Panoramic Resources, Australia. Having completed his graduation in 2019 from the department of Geology, Parvatibai Chowgule College, Akash has crossed borders to complete his Master's in mining engineering (M.E) in 2021 from Curtin University (Western Australian School of Mines). In this short duration he has worked with global leaders from the mining industry like Rio Tinto and South 32. His journey so far has been filled with newer challenges and more and more success.

[CLICK HERE TO VIEW THE FULL STORY](#)

RIDDLES AND PUZZLES

1

Im full of gas but Im not a car
I have many rings but Im not a jewelry store
Im a Roman god but Im not Janus
Im a large planet but Im not Jupiter
What am I?

2

If theres one of these nearby
Make sure that you dont just stop and stare
Get in a shelter and hide
From this rotating column of air

Across 2. The world's hardest mineral

6. Remains of a prehistoric plant or animal

10. The best place in the web for rocks and minerals

12. Purple form of quartz

Down 1. Black rock formed from plant material

2. Extinct animals that once ruled the Earth

3. The study of the Earth

4. Soft mineral

5. Igneous rock used for countertops

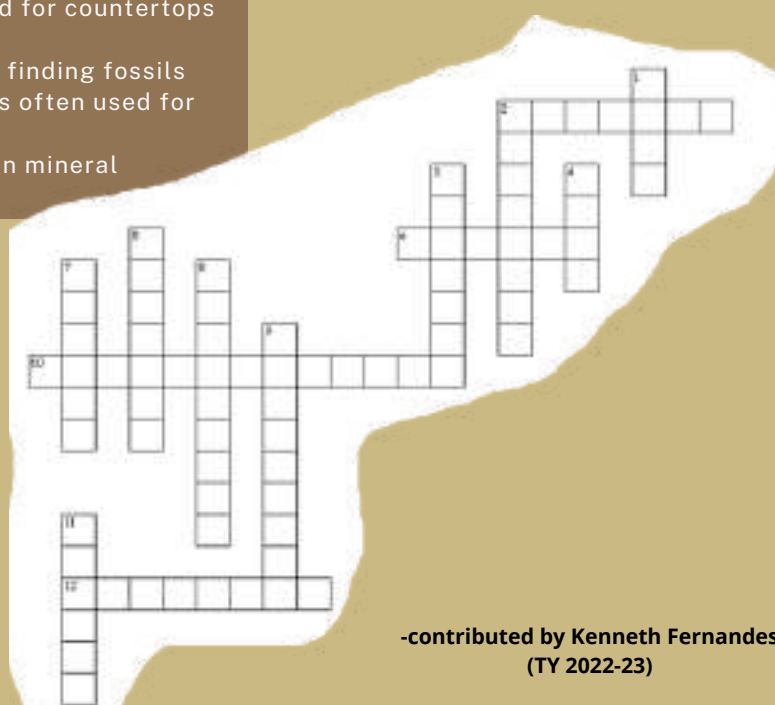
7. Salty mineral

8. Common rock for finding fossils

9. Forms of minerals often used for jewelry

11. The most common mineral

Aggregate	Geology	Outer Core
Alluvium	Igneous	Petrology
Conglomerate	Inner Core	Plate
Crust	Lithosphere	Rock
Crystal	Loupe	Rock Hammer
Earthquake	Magma	Sedimentary
Erosion	Mantle	Seismology
Fault	Metamorphic	Tectonics
Fossil	Mineral	Volcano
Gemstone	Mining	Vulcanology



-contributed by Kenneth Fernandes
(TY 2022-23)

M I O O U T E R C O R E P T S T L
O S P R U R C E I L N K L A O P G
T G E M S T O N E E Y A R T N A L
C Y T I M I N I N G R U C C N A E
E N R L S E G K O E O Q I L T A T
I T O A R M L L N N I H A S O M M
L E L C T E O I P E P T Y T K V F
A P O U Y N M L G R E R O S I O N
U R G C A A E M O H C A R O S A E
E E Y C G F R M A G A E T S C L G
F P L M G E A O I H Y O I R I L Y
T U A G R T T E G D K L T O N U G
V O A G E O E F N O E C L G O V O
T L A M G T E R E H P S O H T I L
E Y Y V A R O L O G T S U R C U O
I A N L T C R R U C O A G E E M E
A E P M E O L M S M K T A G T E G

The Ocean- Mystery of planet Earth

Holding the different varieties of
creatures

It stands fierce, bold and yet beautiful
Amidst the hot tempered environment,
Still being placid and cool

Dive deep in the oceans
And reveal the secrets it hides
How pleasing the land looks,
With oceans on all sides

The calmness of the blue water
The roar of the waves
The mirroring of the skies
And the survival of the lives

The divine cover
With beauty above
The mysteries beneath,
Is Earth's heavenly sheath

A large body full of wonders
Teaching the human kind, the art of
living,
Never expect returns for deeds,
Just be kind and giving!

~Apoorva Pimprikar

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