


Goa University

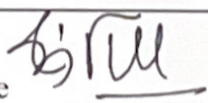
Discipline of Applied Geology, School of Earth, Ocean and Atmospheric Sciences

Report on a talk entitled “Embarking on a global Academic Journey: Insights into the PhD Application Process in Earth Sciences”

1. Title of the Event/Activity/program	Embarking on a global Academic Journey: Insights into the PhD Application Process in Earth Sciences
2. Date and Time	25 th July 2023 at 10.00am
3. Mode of conduct (Physical/Online)	Hybrid
4. School/ Directorate/ Section	School of Earth, Ocean and Atmospheric Sciences
5. Collaborating Agency/School/Directorate	-
6. Detail of the Resource Person (Brief biodata)	Mr. Pratik Santra • Research Scholar, University of Arizona, Tucson, USA. • Former Project JRF, Applied Geology, SEOAS, Goa University. • M.Sc. Applied Geology, Calcutta University • B.Sc. Geology, Asutosh College, Kolkata
7. Number of Faculty attended/participated	3
8. Number of Student attended / participated	28
9. No. of external students/faculty/other participants	10 (in online mode)

<p>10. The objectives of the Program/activity/event</p>	<p>The talk was organised to educate M.Sc students on how apply for a research position abroad by choosing and approaching potential PhD Supervisors in Earth Science from Foreign Universities. The talk also aimed to give the students an idea about the availability of funding and scholarships, insights into the Student Visa application process, and tips on how to write good SOPs that would help to be shortlisted for research positions abroad.</p>
<p>11. Description of the Program/activity/event</p>	<p>The talk was conducted in the optical lab, Earth Science Wing, SEOAS. First, Dr. Sequeira introduced the speaker. The speaker joined through a Google Meet platform that was projected on the TV. Students of the M.Sc Part II (Applied Geology and Environmental Science) Programs attended the talk physically while alumni and others attended online. The Talk lasted for 1 hour 15 minutes wherein the speaker first addressed the gathering for 45 minutes and then answered questions for 30 minutes. The talk ended with a vote of thanks by the coordinator.</p>
<p>12. Benefit/Key outcomes of the Program/activity/event</p>	<p>The M.Sc students understood the essential aspects of applying for a PhD program in Earth Sciences, including selecting suitable institutions, crafting competitive applications, and understanding admission criteria. They obtained valuable tips from the speaker which would hopefully increase their chances of successful PhD applications to foreign Universities. Ultimately, the talk aimed to empower aspiring scholars to embark on a fulfilling global academic journey in Earth Sciences.</p>
<p>13. Enclosures with report</p>	<p>Brochure, Geo-tagged photos, Attendance of students/faculty who attended in person, CV of the resource person.</p>



Signature: 
Name of coordinator: Dr. Nicole Sequeira
Designation: Assistant Professor
Date: 4.8.2023

Signature: 
Dean, SEOAS
Seal of the School



Brochure

Goa University
School of Earth, Ocean and Atmospheric Sciences
Applied Geology Program
Organizes a talk



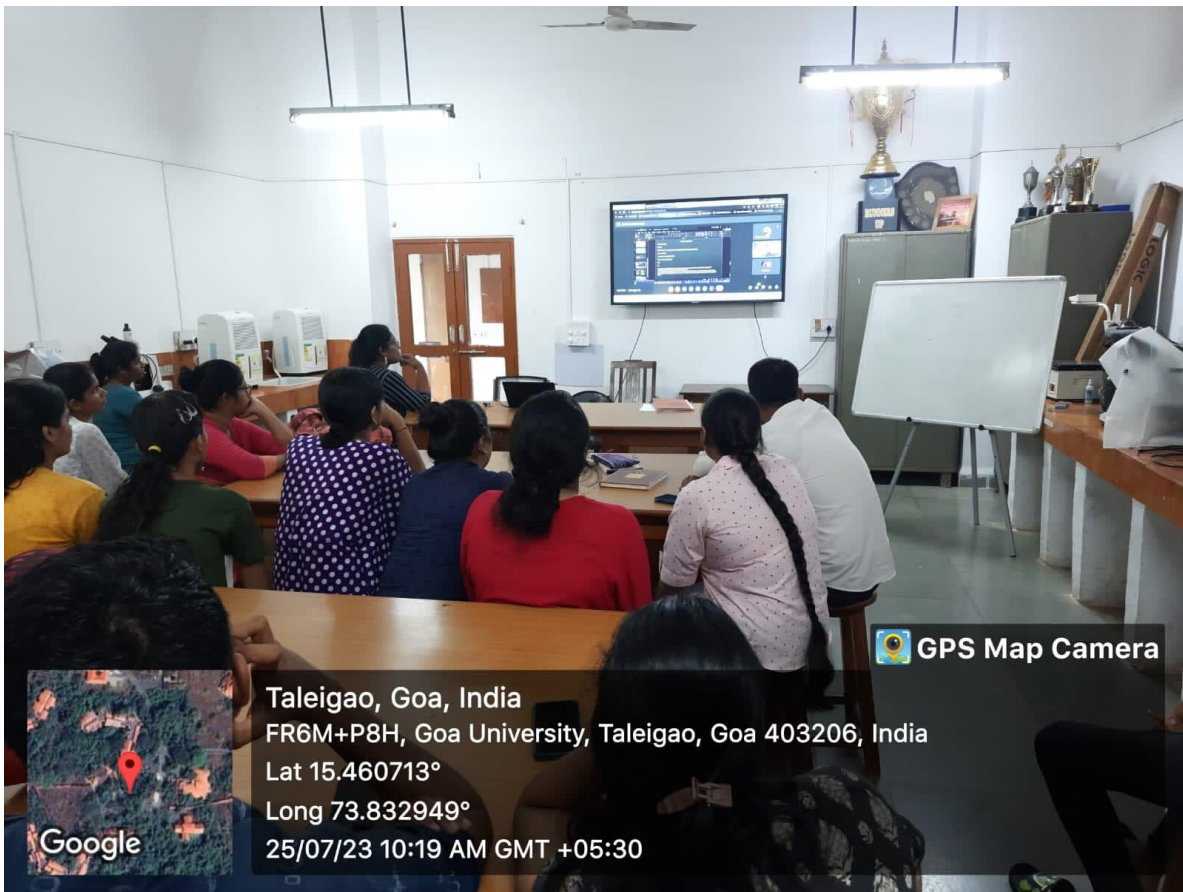
Speaker:
Mr. Pratik Santra
Research Scholar
Department of Geosciences
University of Arizona, USA


"Embarking on a Global Academic Journey: Insights into the PhD Application Process in Earth Sciences"

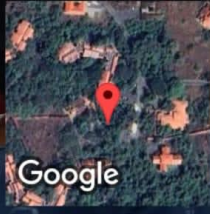
Dr. Niyati Kalangutkar Assistant Professor Programme Director	10.00 a.m., 25 th July 2023 Venue: Optical Lab, Earth Science Wing, SEOAS	Dr. Nicole Sequeira Assistant Professor Co-ordinator
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Geo-tagged Photos

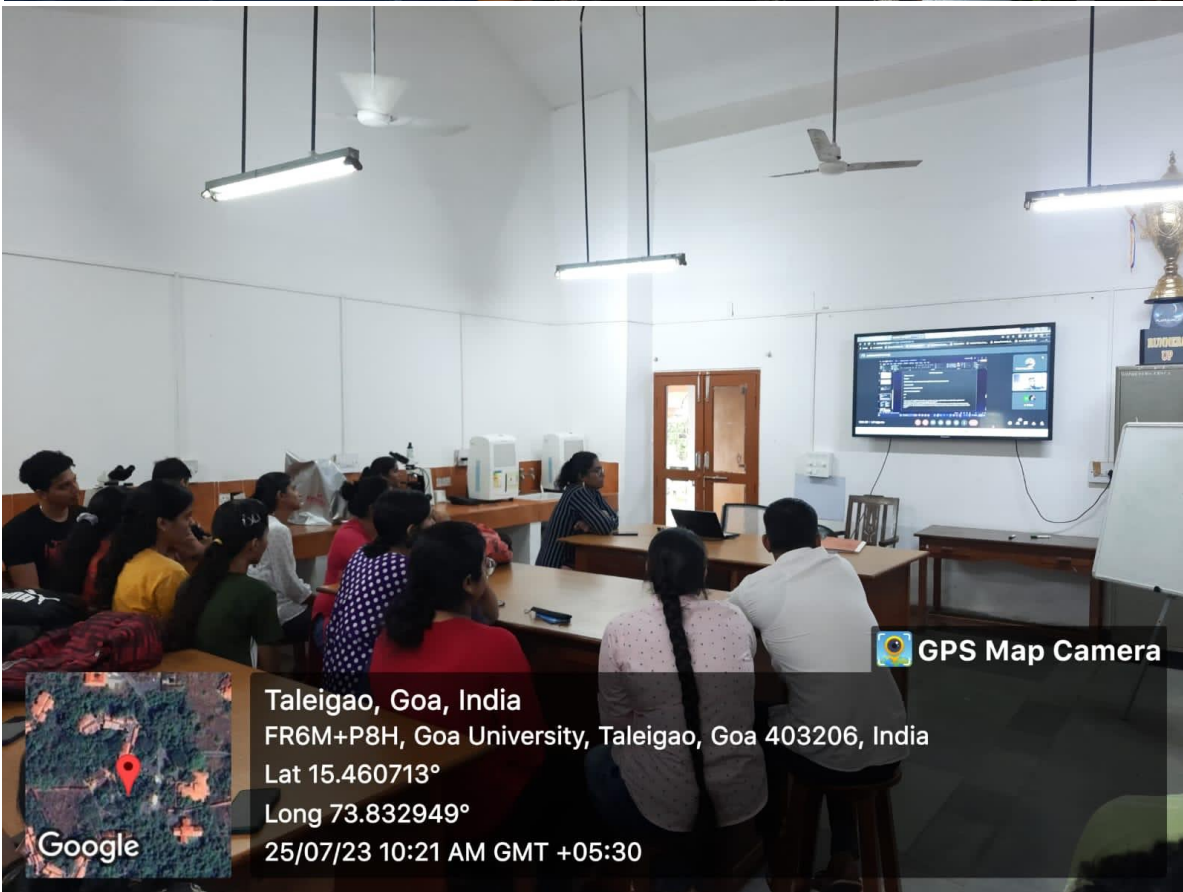





 GPS Map Camera



Taleigao, Goa, India
FR6M+P8H, Goa University, Taleigao, Goa 403206, India
Lat 15.460713°
Long 73.832949°
25/07/23 10:19 AM GMT +05:30



 GPS Map Camera



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GOA UNIVERSITY

SCHOOL OF EARTH OCEAN AND ATMOSPHERIC SCIENCES

TALK ON "EMBARCKING ON A GLOBAL ACADEMIC JOURNEY: INSIGHTS INTO THE PHD APPLICATION PROCESS IN EARTH SCIENCES"

ATTENDANCE SHEET

Date: 25.7.2023

Sr. No.	Name of the Participant	Signature
1	Tejashree Chari	
2	Simran Gaonkar	
3	Kaushiki Kamat	
4	Simran Shekar	
5	Mrunali D. Pilgaonkar	
6	Aditi Khosjwabar	
7	Shaikh Dawood	
8	Prashila Pednekar	
9	Jyoti G. Pisolkar	
10	Deevyam D Kawal	
11	Yashwanth Varjekar	
12	Aaron Pereira	
13	Roshni R. Pujan	
14	Veena Naik	
15	Ishita Paliekar	
16	Dixita Vengurlekar	
17	Meldrin Titan Ajonwa	
18	Sakshi Tukaram Panwar	
19	Mohammad Yoj Jankhandi	

20. Meldray Vas

21. Divya Fulani

22. Shavari M. Surlikar

23. Nikita Mantikar
24. Srenio Fernandes
25. Karishma sangadkar
26. Shounya Phadte
27. Renuka Naik
28. Avel Azavedo
29. Dr. Nicole Sequeira
30. Pooja P. Ghadi
31. Mahesh Mayekar

NM

Sales

Karishma

Phadte

Naik

Azavedo

Sequeira

Ghadi

Mayekar

} FACULTY,
APPLIED GEOLOGY
SEOAS

Pratik Santra

Citizenship: Indian

Phone: (+91)7980311705

Email: pratiksanttra1996@gmail.com



Research Interest:

Volcanology, Igneous Petrology, Structural Geology

Education:

M.Sc in Applied Geology, Department of Geology, University of Calcutta, India 2018-2020
Marks obtained: 74.05%

B.Sc. in Geology, Department of Geology, Asutosh College, University of Calcutta, India 2015-2018
Marks obtained: 66%

Class XII, Bidya Bhavan, Behala, India 2015
Marks obtained: 71%

Class X, S.L. Bajoria Foundation High School, Sanjua, India 2013
Marks obtained: 88%

Research Experience:

Graduate Student, Department of Geosciences, University of Arizona, USA August 2023-Present
Supervisor: Dr. Pranabendu Moitra

Project Junior Research Fellow (JRF) under the Science and Engineering Research Board (SERB) sponsored research project at Goa University, India. May, 2022- April, 2023

Topic: "Deciphering the tectonic evolution of the Precambrian rocks along the West Coast of India at the proposed northern margin of the Western Dharwar Craton, and the Madagascar-India connection revisited"

Supervisor: Dr. Nicole Sequeira

- Structural mapping of field area
- Petrographic study of thin section
- Sample preparation for XRF analysis for major oxides
- EPMA analysis of Monazite grains
- Planning and conduction of field

M.Sc. Thesis, University of Calcutta, India Sept 2019-Sept 2020

Topic: "Study of Sub-solidus re-equilibration texture in rocks of Koraput Alkaline Complex, Eastern Ghats Granulite Belt, India"

Supervisor: Dr. Biswajit Ghosh

- The detail study of exsolution texture in alkali feldspar found in various types of Koraput Alkaline Complex.
- Elemental distribution of Ca, K, Na within the exsolved grain by X-ray mapping.
- Petrography study of the different rock types found in Koraput Alkaline Complex.
- To interpret the host-guest mineral chemistry of the exsolution phase.
- Construction of T-X section of Feldspar phase equilibrium system

Industrial Training:

Steel Authority of India Limited (July, 2019) - visited Rajhara Mine of Chhattisgarh, carried out estimation of ore reserve and geological modelling of ore body using Datamine Studio 3 software.

Fieldwork experience:

- Goa and Maharashtra: Study of detailed tectonic fabrics among the different lithological units. Structural mapping, collection of different rocks for analysis of structural evolution and metamorphism history. 2022
- Canacona, Goa: Collection of well water sample for trace element analysis in ground water in South Goa. 2022
- Angul and Chandipur, Orissa: Identification of sedimentary structures, litho-logging of Barakar sedimentary unit. Detailed paleo-ecological study in the intertidal,subtidal and supratidal area of Chandipur. Construction of facies map of the environment 2019
- Jajpur, Orissa: Visiting Chromite mines and getting acquainted with mining works 2017
- Galudih, Jharkhand: Study of the structural features and mapping of fold present in the field area. Identification of fold interference pattern 2017
- Maithon, Jharkhand: Identification of various geomorphological features, rock types, and introduction to field instruments, and field mapping 2016

Skills:

Technical: Perple_X 6.9.0 (updated 26th August 2021), alphaMELTS software package, JMicroVision Version 1.2.7, Grapher 11, Preparation of detailed map, QGIS.

Computer: Microsoft Office Tools, Windows and MATLAB, Adobe Suites, Corel Draw Graphics Suite.

Instruments: Petrological Microscope, EPMA, VCM, Automatic XRF pellet press

Linguistic: English (IELTS 7.5/9 Band score), Hindi, and Bengali

Awards:

Selected for the post of **Project JRF under the SERB sponsored research Project** at Goa University, India.

Collaboration:

- Spot analysis of Monazite grains for chemical ages using EPMA at [Indian Institute of Technology, Bombay \(IITB\)](#) 2022
- Major oxide analysis using XRF at [National Centre for Polar and Ocean Research \(NCPOR\)](#) 2022

Coursework:

Introduction to Earth System Science, Mineralogy, Optical Mineralogy, Igneous Petrology, Metamorphic Petrology, Sedimentology and Basin Analysis, Structural Geology, Geochemistry and Isotope Geology, Hydrogeology and Water Management, Geodynamics, Geomathematics and Geostatistics, Anthropology, Geography Thermodynamics, Environmental Geology, Engineering Geology, Geo-exploration, Mining and

Exploration, Ore Geology, Remote Sensing, GIS, Paleontology, Stratigraphy, Economic Geology, Geophysics, Oceanography, Atmospheric Science, Mathematics, Chemistry, Physics, Biology, Geography, and Marine Science.

Extra-Curricular Activities:

Photography, Editing, Cricket, Cycling, and Cooking.

Active participant and organizer of Abartan 2018 (Reunion ceremony of Department of Geology, CU).

ESSC IIT Kharagpur Online Geology Quiz participant.

Private tuition in Mathematics and Science subjects for Class V- X students.

Reference:

Dr. Nicole Ann Fae Sequeira

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Assistant Professor of Earth Science

School of Earth, Ocean and Atmospheric Sciences

Goa University, Taleigao, Goa 403206, India

Dr. Biswajit Ghosh

Email: bghoshgeol@caluniv.ac.in

Associate Professor, HOD

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University of Calcutta

35, Ballygunge Circular Rd, Ballygunge, Kolkata,

West Bengal 700019, India

Dr. Subhronil Mondal

Email: subhronil.m@iiserkol.ac.in

Assistant Professor at the Department Earth Sciences (DES)

Indian Institute of Science Education and Research Kolkata

Mohanpur, Nadia - 741246

West Bengal, India