

Goa University

School of Biological Sciences and Biotechnology

Report on Study tour to Karnataka from 18th to 24th January 2025

1. Title of the Event/Activity/program	Study tour of MSc. Part I Zoology Students to Karnataka
2. Date and Time	18th to 24th January 2025
3. Mode of conduct (Physical/Online)	Physical
4. School/ Directorate/ Section	School of Biological Sciences and Biotechnology, Zoology
5. Collaborating Agency/School/Directorate	—
6. Detail of the Resource Person (Brief biodata)	—
7. Number of Faculty attended/participated	2 faculty and 1 MTS
8. Number of Student attended / participated	37 students of M.Sc. Zoology (Part I)
9. No. of external students/faculty/other participants	--
10. The objectives of the Program/activity/event	<p>The Study tour was organised as part of the curriculum of Semester II, ZOO-511: Field Work II (One Credit) to Karnataka.</p> <p>The objective of this tour was to expose the students to different research institutions and zoological parks in order</p> <p>To explore/ observe the faunal diversity of the selected area.</p> <p>To examine and implement different practical field methodologies.</p> <p>To motivate the students to experience real biology in a novel learning environment, and</p>

	develop a sense of appreciation for the environment.
11. Description of the Program/activity/event	<p>A study tour was conducted for MSc Zoology Semester II students, ZOO-511: Field Work II (One Credit) to Karnataka from the 18th to 24th January, 2025</p> <p>37 students accompanied by Dr. Preeti Pereira, Ms. Gandhita Kundaikar and one MTS Mr. Diptesh visited various insitutions and sites in Mysore, Coorg and Mangalore.</p> <p>On 19th January, the group visited the Sri Chamarajendra Zoological Gardens (Mysore Zoo) and saw various animals maintained by the zoological park. Later visited the Mysore Palace where the group observed the intricate architecture, carved doors, the Golden Howdah, and the numerous paintings. and the Brindavan gardens which is one of the famous tourist attractions of Karnataka, especially the dam and the musical fountain.</p> <p>On 20th January the students visited the Mysore University, Department of Botany and Zoology. The students were briefed about the ongoing research in the department and were allowed to observe the central animal facility.</p> <p>The students later visited the Zoological Museum of the university. The group also had the opportunity to visit the central Drosophila facility and observed the different strains (wild and Mutant) of Drosophila in the lab and the conditions in which they are maintained. The students were addressed by Prof. M. S. Krishna, the Chairperson of the department, Mysore university.</p> <p>In the afternoon the students visited the CSIR-Central Food Technology Research Institute. Dr. Paragi Ramesh Kumar, Sr. Principal Scientist Technology Transfer and Business Development welcomed the group and briefed about the departments of CFTRI. He also welcomed collaboration with the students for future research.</p> <p>Dr. S. Ezil Vendan, Senior Scientist, FPIC Dept, CFTRI, briefed about his department on Food Protection and safety wherein they innovate techologies and methods to protect stored food and grains from insect pests and fungus. He also explained about the fumigation processes and the concentrations</p>

of chemicals used for the same. The students also visited the St. Philomenas church and the crypt below the church.

On 21st January, the group travelled to coorg to explore the ecotourism sites such as the Nisargdhama where in the students explored the various ecotourism activities and were also asked to explore the carrying capacity of these ecotourism sites. The students also visited the Namdroling Monastery Golden Temple and observed the ethological significance in accordance to the peaceful teachings and pacifist nature of the monks.

On 22nd January the group travelled to Mangalore and visited the Department of Applied Zoology, Mangalore university. The students were split in to batches and were briefed by Dr. Jason Sequeira, Dr. Deepak Naik about the ongoing research on human population genetics especially in the Konkani speaking populations and also the various instruments in the central instrumentation laboratory.

The group also had the opportunity to visit the Neurogenetics laboratory where a PhD Research Scholar, Ms. Raifa Khan explained about her research on neurodegenerative disorders using Drosophila as animal models.

In the afternoon, the group visited the college of fisheries in Mangalore and had the opportunity of exploring the different departments as well as the farm wherein fishes are being cultured and sold throughout the country.

Dr. Manjulesh Pai and Prof. Annapaswamy briefed about the ongoing research within their departments. Dr. Manjulesh Pai also explained the techniques of induced breeding and demonstrated the induced breeding by injecting the fish with synthetic hormones.

On 23rd January the group visited the St. Aloysius University and were welcomed by Prof. Ronald Nazareth, the registrar of the university and explained about the St. Aloysius Church which is one extremely famous site as the entire church was fresco hand painted by an Italian seminarian. This church is deemed to be a replica of the Sistine Chapel in Rome.

We later visited the St. Aloysius Museum

	<p>which showcases the rich history of the area and the well preserved and maintained animals and other historical items. Dr. Shashikiran Nivas also briefed the gathering about the first ever cashew plant created out of tissue culture in their own tissue culture laboratory.</p> <p>Later the group travelled to Manipal to visit the Manipal Museum of Anatomy & Pathology to study the various specimens displayed relating to comparative anatomy of vertebrates and the different human organs and the pathological conditions affecting the human body.</p> <p>The study tour concluded on 24th January 2025 on arrival at Goa.</p>
12. Benefit/Key outcomes of the Program/activity/event	<p>The students spotted several animals which would not have been sighted elsewhere in the country.</p> <p>The students learnt about various instruments and the internship opportunities in various research institutes in Karnataka.</p> <p>Dr. Manjulesh Pai also explained the techniques of induced breeding and demonstrated the induced breeding by injecting the fish with synthetic hormones.</p> <p>The students also could identify areas of research using Drosophila as an animal model to study different diseases and toxicological conditions.</p> <p>The students are also welcomed at all institutes for future collaboration, dissertation and internship opportunities.</p>
13. Enclosures with report	Geo-tag photos and attendance of students attached.


Signature:

Name of coordinator Dr. Preeti Percin

Designation: Assistant Professor in Zoology

Date: 27/01/2025


28/01/2025
Signature

Dean/Director/Head

Seal of the School/Directorate/University

Dean of School of Biological Sciences
& Biotechnology
Goa University, Goa-403206

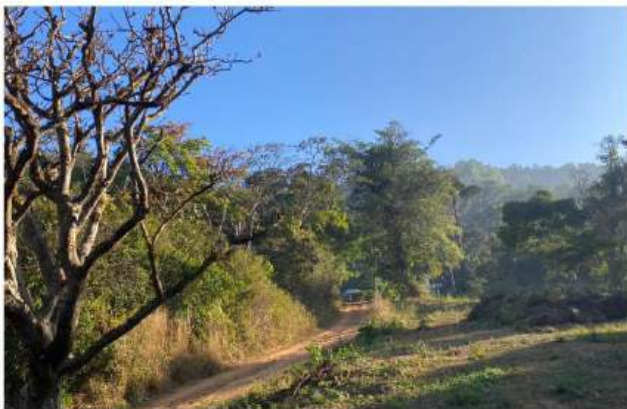


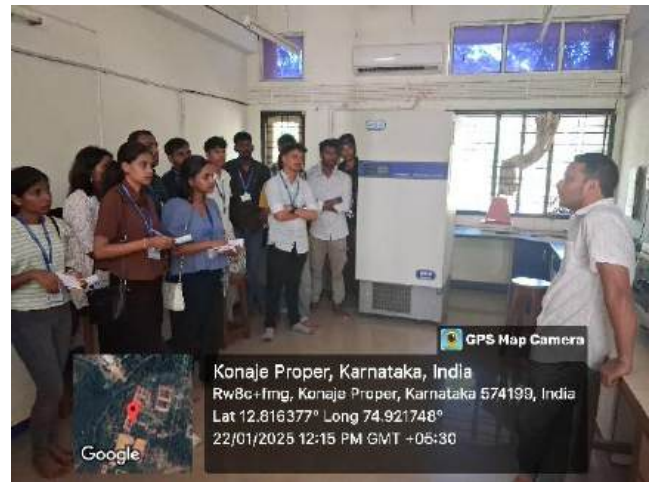
















STUDY TOUR 2024-2025

University : Goa University, SBSB Zoology

Date : From 18th to 24th of January 2025 to Karnataka

Faculty incharge : Dr. Preeti Pereira and Gandhita Kundaikar

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		Morning signature	Evening signature
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2	Vas Profila		
3	Teja Vinod Chodankar		
4	Himanshu Hemant Kerkar		
5	Shetali Sandip Vaigankar		
6	Pallavi Prakash Gaonkar		
7	Anisha Arliza De Souza		
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35	Sahil Fondu Velip		
36	Braydon Sirius Dias		
37	Manali Gokuldas Pethker		

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









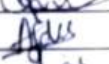
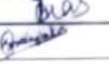
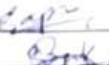
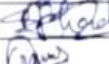


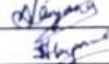












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