

"Dissemination of Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Department of Zoology

Academic year: 2024-25

B.Sc. III Study Tour at

National Institute of Oceanography (NIO), ICAR
Central Coastal Agricultural Research Institute

Goa

12/12/2024-14/12/2024



Academic Year: 2024- 2025

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**B.Sc. III Study Tour - National Institute of Oceanography (NIO),
ICAR Central Coastal Agricultural Research Institute Goa**

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A handwritten signature in blue ink, appearing to read "Gm".

Dr. G. K. Sontakke

HEAD

DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



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Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)
Internal Quality Assurance Cell
2024-2025
Quality Initiatives/ Activities Report



1. **Name of Department:** ZOOLOGY
2. **Name of Organized Activity:** Study Tour of B.Sc. III at National Institute of Oceanography (NIO), ICAR Central Coastal Agricultural Research Institute Goa
3. **Date/ Duration:** 12/12/2024- 14/12/2024

4. **Aims and Objectives:**

Aim: To provide a deeper understanding of oceanography, marine ecosystems, and agricultural research

Objectives:

1. To explore and understand the ongoing research projects at NIO related to marine ecosystems, ocean circulation, marine biodiversity, and coastal management
2. To learn about global challenges faced by the marine and agricultural sectors, such as climate change, overfishing,
3. To inspire students to pursue research and innovation in fields such as marine biology, oceanography, agriculture, and environmental sciences by interacting with leading scientists and researchers.

5. **No. of beneficiaries:**

Sr. No.	Teachers (03)		Students (40)		Total
	Male	Female	Male	Female	
1	01	01	02	09	13

6. **Expenditure & funding agency:** NA

7. **Brief description:**

The Department of Zoology, Vivekanand College, Kolhapur, organized a three-day study tour for B.Sc. Part III Zoology students to Goa. The tour, which took place from 12/12/2024 to 14/12/2024, provided students with an opportunity to explore marine science and agricultural research. The students visited NIO, where they interacted with experts and learned about the latest research in marine sciences. The visit focused on oceanography,

marine biodiversity, and the impact of climate change on marine ecosystems. Students gained valuable insights into the use of modern technology in marine research and the importance of sustainable ocean management. At ICAR, students explored sustainable agricultural practices, including poultry farming, pisciculture, hydro-aquaponics, and piggery. They learned about the practical applications of these techniques in modern agriculture, focusing on ecological balance and resource management.

8. Outcomes:

1. Students are exposed to potential career pathways and cutting-edge developments in marine science, agriculture, and related fields..
2. Encouraging students to careers in research and development.

9. Photos:




Visit to National Institute of Oceanography (NIO, Goa)



Visit to ICAR Central Coastal Agricultural Research Institute Goa

10. Signatures of coordinator/ organizer:


Dr. G. K. Sontakke
HEAD
DEPARTMENT OF ZOOLOGY
JAYKAMAL COLLEGE, KOLHAPUR

PERMISSION LETTER

Department of Zoology

Date: 05/12/2024

To,

The Principal,

Vivekanand College, Kolhapur

(An Empowered Autonomous Institute)

Subject: Request for Permission to Organize a Study Tour to NIO Goa

Respected Sir,

I am writing to seek your kind permission to organize a three-day study tour to the National Institute of Oceanography (NIO), ICAR, etc Goa and other educational institutes for the students of B.Sc. III. This tour is planned as part of the curriculum to provide the students with enhanced knowledge and practical exposure to diverse fields of study.

The proposed schedule for the tour is from **12th December 2024 to 14th December 2024**. Apart from visiting NIO, the itinerary will include educational visits to Bondla Wildlife Sanctuary, ICAR-Central Coastal Agricultural Research Institute, Dr. Salim Ali Bird Sanctuary, Goa Science Centre & Planetarium, and other relevant sites of academic interest.

We kindly request your approval for the study tour and the associated costs for three accompanying teachers. Your permission will greatly facilitate the smooth execution of this educational endeavor, which promises to be a valuable experience for our students.

We are looking forward to your positive response.

Thanking you.

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Enclosure-

1. List of student & faculty

Allowed
PL
9.12.

Yours faithfully

[Signature]

Dr. G. K. Sontakke

HEAD

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Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Zoology

Academic Year: 2024-25

List of Student and Faculty

(12/12/2024 to 14.12.2024)

Sr. No.	Name of the student	Age
1.	Abrange Vaishnavi Vinod	21
2.	Dindayal Prabodhini Raju	21
3.	Jadhav Suyash Kuber	21
4.	Kamble Rutuja Vishal	21
5.	Kukade Priyanka Sandeep	21
6.	Mansuri Sahida Allauddin	21
7.	Mishra Shambhavi Mukesh Kumar	21
8.	Mulla Mahamadkaif Shahanul	21
9.	Rathod Sonali Ramesh	21
10.	Ustad Rifat Nasirkhan	21
11.	Chougule Shraddha	21
List of Faculty		
1.	Dr. G. K. Sontakke	
2.	Dr. S. S. Desai	

G. K. Sontakke

Dr. G. K. Sontakke

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Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)
Department of Zoology
Academic Year: 2024-25

Date: 02/12/2024

Notice

All students of B.Sc. III are hereby informed that the Department of Zoology, Vivekanand College, Kolhapur (An Empowered Autonomous Institute), has organized a study tour to Goa from 12th December 2024 to 14th December 2024. This study tour is compulsory for all B.Sc. III students. The tour is planned as part of the curriculum to enhance the knowledge and exposure of students. All students are required to submit their names, along with the tour fees, to the Department of Zoology before 4th December 2024.



Dr. G. K. Sontakke

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Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Zoology

Academic Year 2023-24

Report on Study Tour: Goa (12th - 14th December 2024)

Department of Zoology, Vivekanand College, Kolhapur organized a three-day study tour for B.Sc. Part-III Zoology students as part of their curriculum, aimed at imparting knowledge of oceanography and creating awareness about the conservation of biodiversity. The tour, which took place from Thursday, 12th December 2024 to Saturday, 14th December 2024, was attended by 11 students and 2 faculty members. The tour aimed to expose students to the natural world and facilitate learning through hands-on experiences.

On the day first (12th December 2024) the journey commenced early in the morning at 6:00 am from Vivekanand College, Kolhapur, with all participants boarding a private vehicle (traveller). The first stop was at Ramtirtha Waterfall, Ajara, where the students enjoyed tea and snacks at 8:30 am. This location is known for its spiritual significance, as it is believed to be sanctified by the touch of Shri Rama. The waterfall, situated on the banks of the Hiranyakeshi River, provided the students with an opportunity to experience both natural beauty and spirituality. After a five-hour journey, the group reached Panjim, Goa, at around 1:00 pm. Following a lunch break from 2:00 pm to 3:00 pm, the students visited the National Institute of Oceanography (NIO). The NIO is a leading institute for oceanographic research and provides invaluable insights into the four main branches of oceanography: biological, chemical, geological, and physical. Students had the opportunity to interact with experts in the field and learn about cutting-edge research in marine sciences. In the evening, we visited the Goa Science Centre & Planetarium. This centre's mission is to promote scientific temper and provide an interactive learning experience for visitors. Students were able to explore the exhibits hands-on, which allowed them to better understand various scientific phenomena in an engaging manner.

The second day began with a visit to the ICAR - Central Coastal Agricultural Research Institute, Goa. This research facility, established under the Indian Council of Agricultural Research (ICAR), focuses on improving agricultural productivity in the coastal regions of Goa. Research activities at the institute cover diverse areas, including crop

production, livestock, and fisheries. Students gained valuable insights into sustainable agricultural practices, poultry farming, pisciculture, hydro-aqua phonics, piggery etc. The afternoon included a visit to two of Goa's most iconic churches: the Basilica of Bom Jesus and Se Cathedral. These churches are significant not only for their religious importance but also for their architectural beauty. The students explored the historical and cultural aspects of these landmarks. Then we proceeded to Baga Beach, where we enjoyed the scenic beauty of the Arabian Sea.

The final day of the tour began with a visit to the Bondla Wildlife Sanctuary. It covering an area of 7.98 km² is one of the smallest protected areas in Goa. The Sanctuary is a paradise for nature lovers due to the presence of an ideal habitat for wildlife such as gaur, leopard, jungle cat, wild boar, porcupine, malabar giant squirrel, pangolin; a variety of insects, amphibians, reptiles & birds. Then we visited Aguada Fort. This historic fort, originally built by the Portuguese, provided the group with panoramic views of the Arabian Sea and the surrounding villages. The fort is notable for its freshwater springs, which gave rise to its name "Aguada," meaning "water" in Portuguese. Today, the fort also houses a lighthouse, which can be seen from afar.

Then return journey towards Kolhapur was started at 4.00pm, in route; we stopped at Amboli Waterfalls, a popular tourist destination located in the Sahyadri Hills. The waterfall's beauty and serene environment offered a perfect conclusion to the trip. We reached at 11.00am. Dr. G. K. Sontakke (Head, Assistant Professor & Tour Incharge) and Dr. S. S. Desai guided the students in this study tour. The study tour was not only a great educational experience but also an opportunity for students to connect with nature and explore various aspects of oceanography, conservation, and biodiversity. The tour successfully achieved its objective of enhancing students' practical knowledge and awareness about the environment, all while providing a memorable and enjoyable experience.

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Department of Zoology

Academic Year 2024-25

Date: 09/12/2024 – 11/12/2024

B. Sc. III Study Tour at Goa

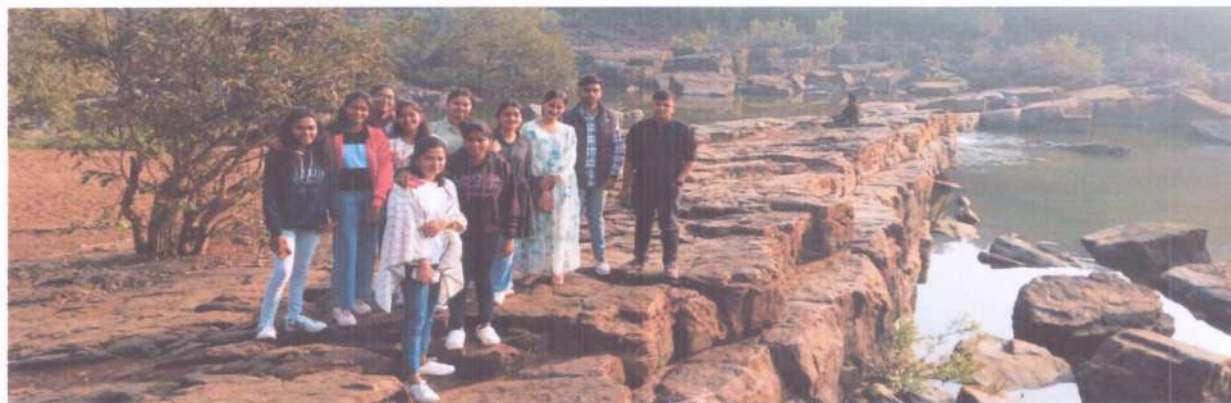


Photo: Ramtirtha Waterfall, Ajara



Photo: National Institute of Oceanography (NIO), Goa



Photo: ICAR - Central Coastal Agricultural Research Institute, Goa

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