

Goa University

Discipline of Environment Science (M.Sc./M.A.) and Marine Microbiology

School of Earth, Ocean and Atmospheric Sciences.

Report on

Field Trip visit: Waste Management facility in Goa on 10th February 2025

1. Title of the Event/Activity/program	Field trip to waste management facility in Goa.
2. Date and Time	10 th February 2025; 9.20 am to 5.30 pm.
3. Mode of conduct (Physical/Online)	Physical
4. School/ Directorate/ Section	School of Earth, Ocean and Atmospheric Sciences.
5. Collaborating Agency/School/Directorate	NA
6. Detail of the Resource Person (Brief biodata)	Experts from Goa Solid waste management facility and biomedical waste facility.
7. Number of Faculty attended/participated	3
8. Number of Student attended / participated	27
9. No. of external students/faculty/other participants	NA
10. The objectives of the Program/activity/event	To provide practical exposure to waste handling, segregation, treatment, and disposal processes. These visits help students understand the impact of waste on the environment and public health , the importance of recycling and sustainable

	<p>practices, and the regulations governing waste management. It also fosters critical thinking and encourages innovative solutions for effective waste management.</p>
<p>11. Description of the Program/activity/event</p>	<p>A field trip was conducted on 10th February 2024 for 30 students of M.Sc. and M.A. Environmental Science (Part II) and M.Sc. Marine Microbiology (Part I) jointly to provide practical exposure to waste management processes. First, the students visited the Saligao Waste Management Plant, where they observed the systematic approach to solid waste management. They learned about waste segregation at source, mechanical and manual sorting, composting of organic waste, and other techniques like biogas plant, sludge treatment etc. The visit provided insights into sustainable waste processing techniques, emphasizing the importance of reducing landfill waste and promoting resource recovery.</p> <p>Following this, the students visited the biomedical waste treatment facility in Kundaim, which handles the safe collection, segregation, transportation, and disposal of biomedical waste generated from hospitals and healthcare facilities across Goa. They gained knowledge about color-coded waste segregation, the importance of autoclaving and incineration for infectious waste, and the treatment of sharps and pathological waste. The visit highlighted the stringent protocols followed to prevent environmental contamination and health hazards associated with improper biomedical waste disposal.</p> <p>Dr. Diviya Vaigankar, Dr. Priya D'Costa and Dr. Nikita Lotlikar accompanied the students.</p>
<p>12. Benefit/Key outcomes of the Program/activity/event</p>	<p>The field trip provided students with a holistic understanding of modern waste management practices, bridging the gap between theoretical concepts and real-world applications. It reinforced the need for sustainable waste-handling solutions and encouraged students to explore innovative strategies for waste reduction and recycling in their future careers.</p>

13. Enclosures with report	Attached are the order, Geo-tag photos, and attendance of student participants as annexures.
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Signature: Dr. Divya Vaigankar
 12/12/25
 Name of coordinator Dr. Divya Vaigankar
 Designation: Assistant Professor

Signature Sr. Prof. S. Ghadi
 Dean/Director/Head
 Seal of the School/Directorate/University
 SEOAS



Annexure A: Order

गोंय विद्यापीठ

ताळगांव पठार,

गोंय - ४०३ २०६

फोन : +९१-८६६९६०९०४८



(Accredited by NAAC)

ATMANIRBHAR BHARAT
SWAYAMPURNA GOA

Goa University

Taleigao Plateau, Goa-403 206

Tel : +91-8669609048

Email : registrar@unigoa.ac.in

Website : www.unigoa.ac.in

No.:GU/ Acad-PG/Field Trips/Tours/2024-25/755

Date: 04/02/2025

ORDER

Sanction of the Registrar is hereby conveyed to the Dean, School of Earth, Ocean and Atmospheric Sciences, to organize a Study Tour/Field trip to Solid Waste Management Plant, Saligao and Biomedical Waste Treatment Plant, Kundaim, Goa, on 10/02/2025, as a part of the ongoing M. Sc. Environmental Science Part-II Programme.

The Field Trip should be in compliance with Circular No. GU/Field Trips/Tours/2024/655 dated 19/11/2024 and GU/Acad-PG/Field Trips/ Tour/2012/458/3301 dated 26/10/2012.

An expenditure to the extent of Rs. 10,000/- is sanctioned towards the same to the Dean, School of Earth, Ocean and Atmospheric Sciences, Goa University, and shall be debited to the Budget Head S-3(5) Field Trips.

(Ashwin Lawande)
Dy. Registrar-Academic

To,
The Dean, School of Earth, Ocean and Atmospheric Sciences, Goa University.

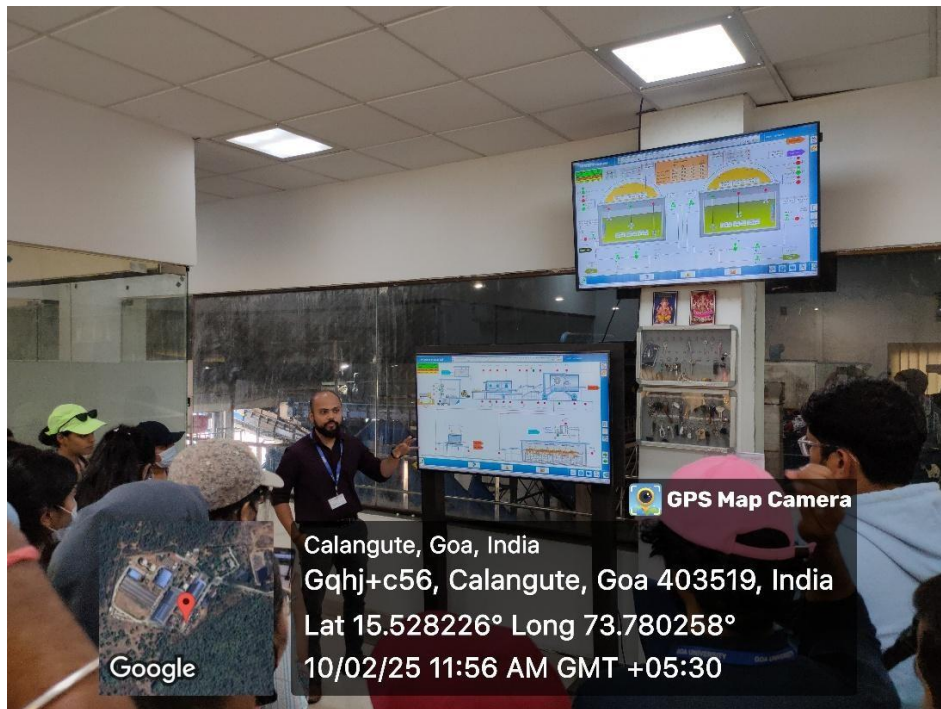
Copy to:

1. Finance Officer
2. AR-VC's Secretariat
3. AR to Registrar

Annexure B: Geotagged photos

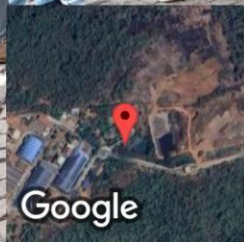
1. Saligao Solid Waste treatment plant:







GPS Map Camera



Calangute, Goa, India

Gqhj+qhf, Calangute, Goa 403519, India

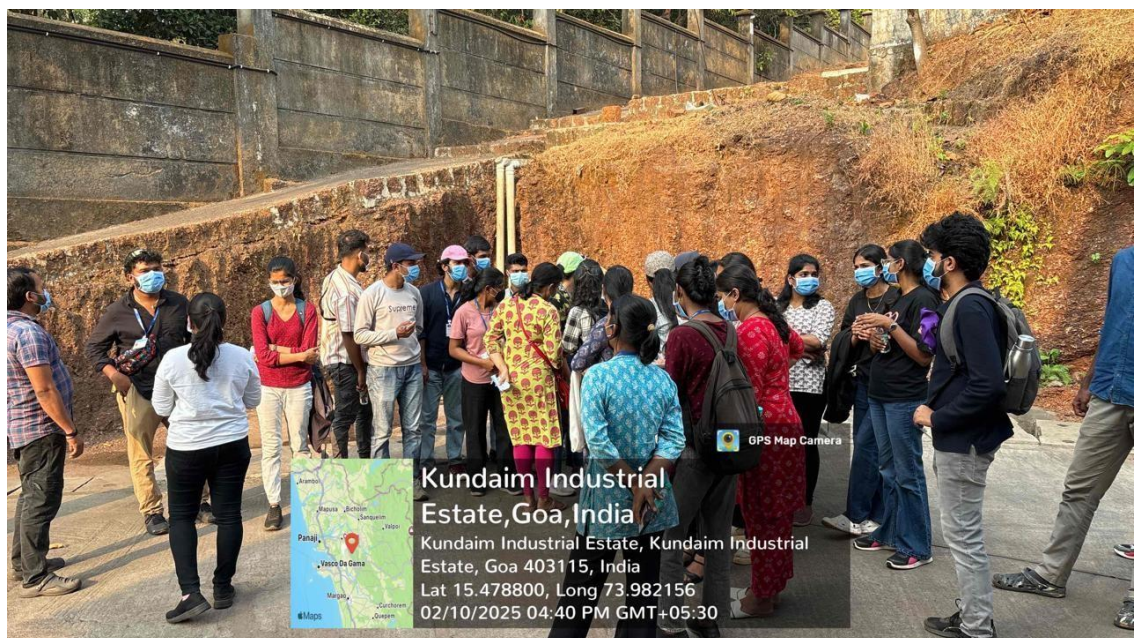
Lat 15.529467° Long 73.781515°

10/02/25 12:29 PM GMT +05:30

2. Biomedical Waste Treatment Plant











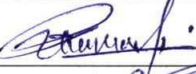

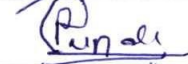


GOA UNIVERSITY
SCHOOL OF EARTH, OCEAN AND ATMOSPHERIC SCIENCES
(SEOAS)

M.Sc. Marine Microbiology

Attendance sheet

Field visit to Solid Waste Management Plant, Saligao, and Biomedical Waste Treatment Plant Kundaim

Date:10/02/2025

Sr. No.	Name of the Student	Signature
1.	Aditya Raj Shrivastava	
2.	Ashutosh Sawant	
3.	Chetan Julaskar	
4.	Riksha I. Sharma	
5.	Dweta Kanekar	
6.	Harsh Gawarclalakar.	
7.	John S. Fernandes	
8.	Lesha R. Lotlikar	
9.	Pourtham Kurali	
10.	Sana - K. Khan	
11.	Shivam Kadam	
12.	Vasant Govekar	
Co-ordinator		
Deeganen 12/2/25		DEAN
(Dr. DIVIYA VAJUNNAR) Assistant Professor Marine Microbiology SEOAS		Sr. Prof. S. Ghosh SEOAS.



Annexure C

GOA UNIVERSITY

SCHOOL OF EARTH, OCEAN AND ATMOSPHERIC SCIENCES (SEOAS)

M.Sc/ M.A. in Environmental Science

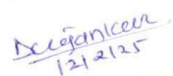
Attendance sheet

Field visit to Solid Waste Management Plant, Saligao, and Biomedical Waste Treatment Plant Kundaim for Part-II Students


Date:10/02/2025

Sr. No.	Name of the Student	Signature
1	Lakshan Ravindra Naik	
2	Aishwarya Gurudas Gaude	
3	Dessai Gautami Mangaldas	
4	Ganaraj Prakash Gawas	
5	Karina Mariah Pinto Do Rosario	
6	Khushboo Gurudas Narvekar	
7	Malwankar Manthan Uday	
8	Mithil Dhananjay Desai	
9	Prathamesh Premanand Majik	
10	Sanica S. Ghadiwadar	
11	Shravani Uttam Naik	
12	Shukila Crisnath Dessai	
13	Sneha Mullur	
14	Vishaya Sadanand Gaude	
15	Dipti Shekhar Surabhi	

Co-ordinator


(DR. DIVIYA VAJANKAR)
Assistant Professor
Marine Microbiology
SEOAS




DEAN
Sr. Prof. S. Ghadi
SEOAS