



Goa University

Microbiology Discipline

School of Biological Sciences and Biotechnology

Report on “Field Trip to industries/institutions across India (Kerala and Tamil Nadu) M.Sc. Microbiology students”

1. Title of the Event/Activity/program	MIC-633 Field Trip to Industries/Institutions across India (Kerala and Tamil Nadu)
2. Date and Time	6/10/2023 to 15/10/2023
3. Mode of conduct (Physical/Online)	Physical (Offline)
4. School/ Directorate/ Section	School of Biological Sciences and Biotechnology (Microbiology discipline).
5. Collaborating Agency/School/Directorate	<ol style="list-style-type: none">1. Manonmaniam Sundarnar University, Centre for Marine Sciences and Technology, Ganapathipuram TamilNadu, India.2. Rajiv Gandhi Center for Biotechnology, Thiruvananthapuram, Kerala.3. CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, Kerala.4. Institute of Advanced Virology, Thonnakkal, Kerala, India.5. Central Laboratory for Instrumentation and Facilitation (CLIF), University of Kerala, Karyavattom, Thiruvananthapuram, Kerala.6. ICMR-Vector Control Research Centre (Field station), Kottayam Kerala.7. Rubber Research Institute of India, Kottayam Kerala, India.8. Kannan Devan Hills, Munnar, Kerala.9. ICAR-Central Institute of Fisheries Technology, Matsyapuri, Kochi, Kerala, India.

6. Detail of the Resource Person (Brief biodata)	NA
7. Number of Faculty attended/participated	02
8. Number of Student attended / participated	24
9. No. of external students/faculty/other participants	01 (Non-teaching staff from microbiology discipline)
10. The objectives of the Program/activity/event	<ol style="list-style-type: none"> 1. To expose students to various reputed Institutes and Industries present in state of Kerala and TamilNadu. 2. To expose students to State of Art Facility at Research Institutes and advance research carried out in these institutes. 3. To know about the employment opportunities in institutes/ industries in Kerala 4. To motivate students to make their carrier in research institutes and industries 5. To make students aware of geographical and cultural diversity of our country. 6. Interaction of our students with researchers and scientists from Kerala and TamilNadu.
11. Description of the Program/activity/event	<p>Students of M.Sc. Microbiology programme (24), SBSB, Goa University along with 2 faculties (Dr. lakshangy Charya and Dr. Milind Naik) and 1 non-teaching staff (Ms. Sneha Naik) visited various institutes in Tamil Nadu and Kerala during 06/10/2023 – 15/10/2023 as a part of the field trip course (MIC 633). Following are the institutes/industries visited:</p> <ol style="list-style-type: none"> 1) Manonmaniam Sundarnar University, Centre for Marine Sciences and Technology, Ganapathipuram TamilNadu, India. 2) Rajiv Gandhi Center for Biotechnology, Thiruvananthapuram, Kerala. 3) CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, Kerala. 4) Institute of Advanced Virology, Thonnakkal, Kerala, India. 5) Central Laboratory for Instrumentation and Facilitation (CLIF), University of Kerala, Karyavattom, Thiruvananthapuram, Kerala. 6) ICMR-Vector Control Research Centre (Field station), Kottayam Kerala.

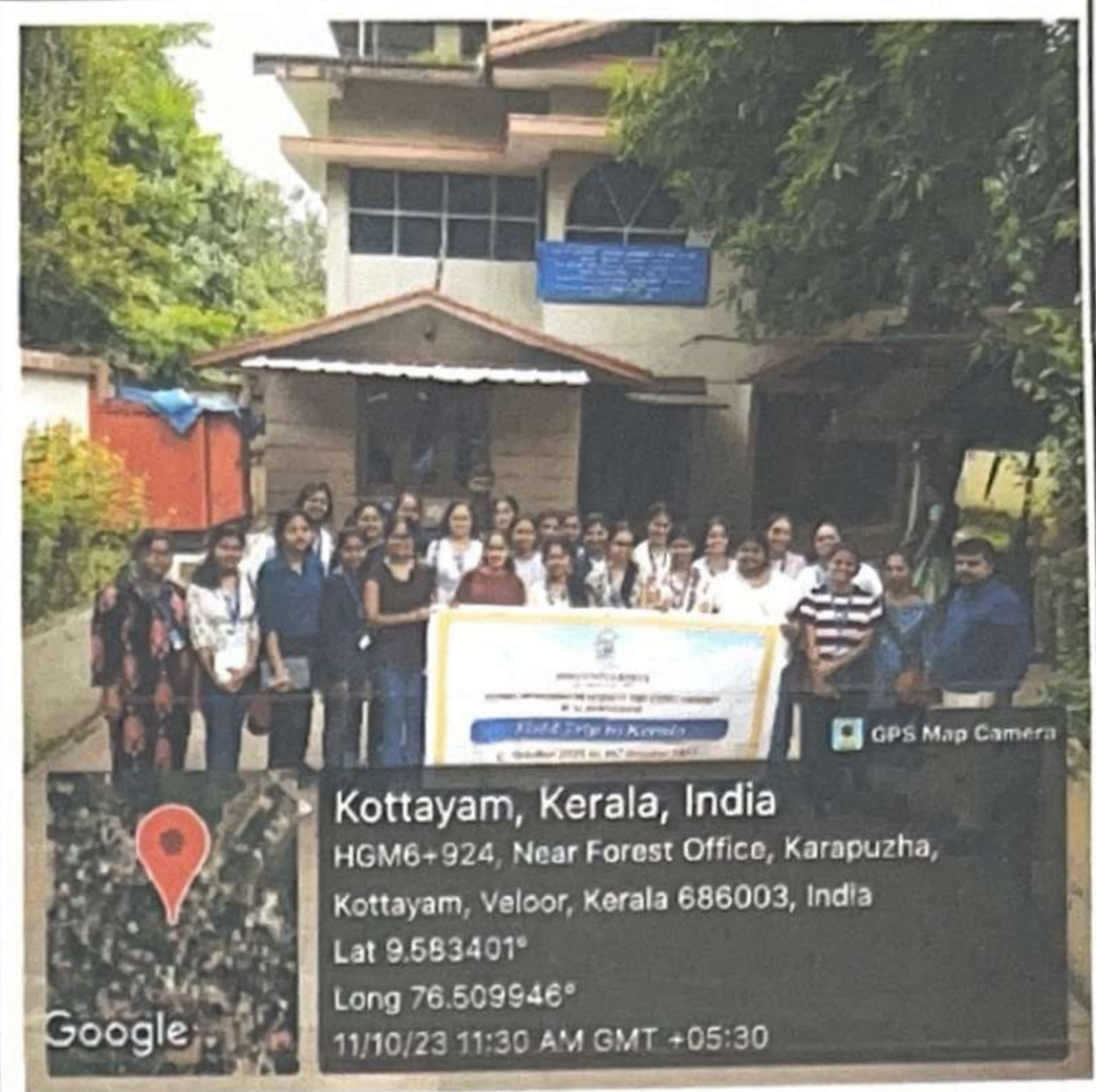
	<p>7) Rubber Research Institute of India, Kottayam Kerala, India.</p> <p>8) Kannan Devan Hills, Munnar, Kerala.</p> <p>9) ICAR-Central Institute of Fisheries Technology, Matsyapuri, Kochi, Kerala, India.</p>
12. Benefit/Key outcomes of the Program/activity/event	<p>1) The M.Sc. Microbiology students were exposed to high end instruments and facilities such as XPS, SEM, NMR, AFM, Flow cytometer, Confocal microscope, GCMS, LCMS, NGS sequencer, RT-PCR, Ultracentrifuge, advanced bio safety Lab for Viral cultures, Tissue culture facility, Transgenic technology, etc. This will benefit the students to join research institutes and industries.</p> <p>2) Students also interacted with researchers/scientists and were exposed to advance research carried out in reputed institutes in Kerala.</p> <p>3) Students also understood employment opportunities in various institutes and industries in Kerala.</p>
13. Enclosures with report	<p>1. Geo-tag photos</p> <p>2. Attendance of students</p>







Kottayam, Kerala, India
 HHC+PR4, Vadavathoor, Kottayam, Kerala
 686010, India
 Lat 9.578588°
 Long 76.571682°
 11/10/23 02:54 PM GMT +05:30



Kottayam, Kerala, India
 HGM6+924, Near Forest Office, Karapuzha,
 Kottayam, Velloor, Kerala 686003, India
 Lat 9.583401°
 Long 76.509946°
 11/10/23 11:30 AM GMT +05:30



Kochi, Kerala, India
 Society of Fisheries Technologists (India), CIFT JN.,
 MATSYAPURI P.O, W7Q9+HFC, Willingdon Island, Kochi,
 Kerala 682029, India
 Lat 9.93902°
 Long 76.268685°
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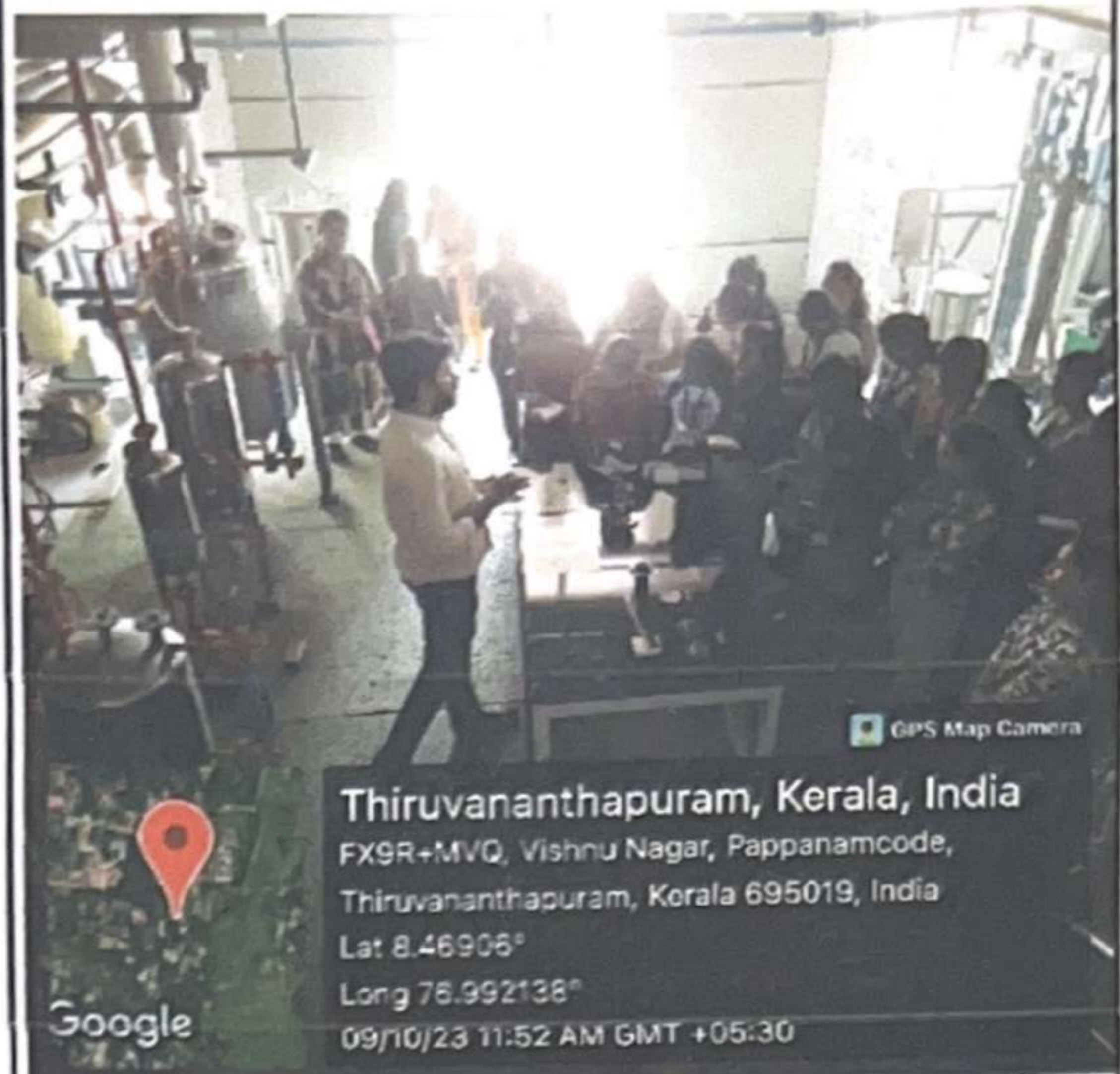


Kannan Devan Hills, Kerala, India
 Munnar - Top Station Hwy, Kannan Devan Hills, Kerala 685612, India
 Lat 10.091408°
 Long 77.088234°
 12/10/23 03:08 PM GMT +05:30



Kannan Devan Hills, Kerala, India
Munnar - Top Station Hwy, Kannan Devan Hills,
Kerala 685612, India
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Long 77.088264°
12/10/23 09:52 AM GMT +05:30

Google



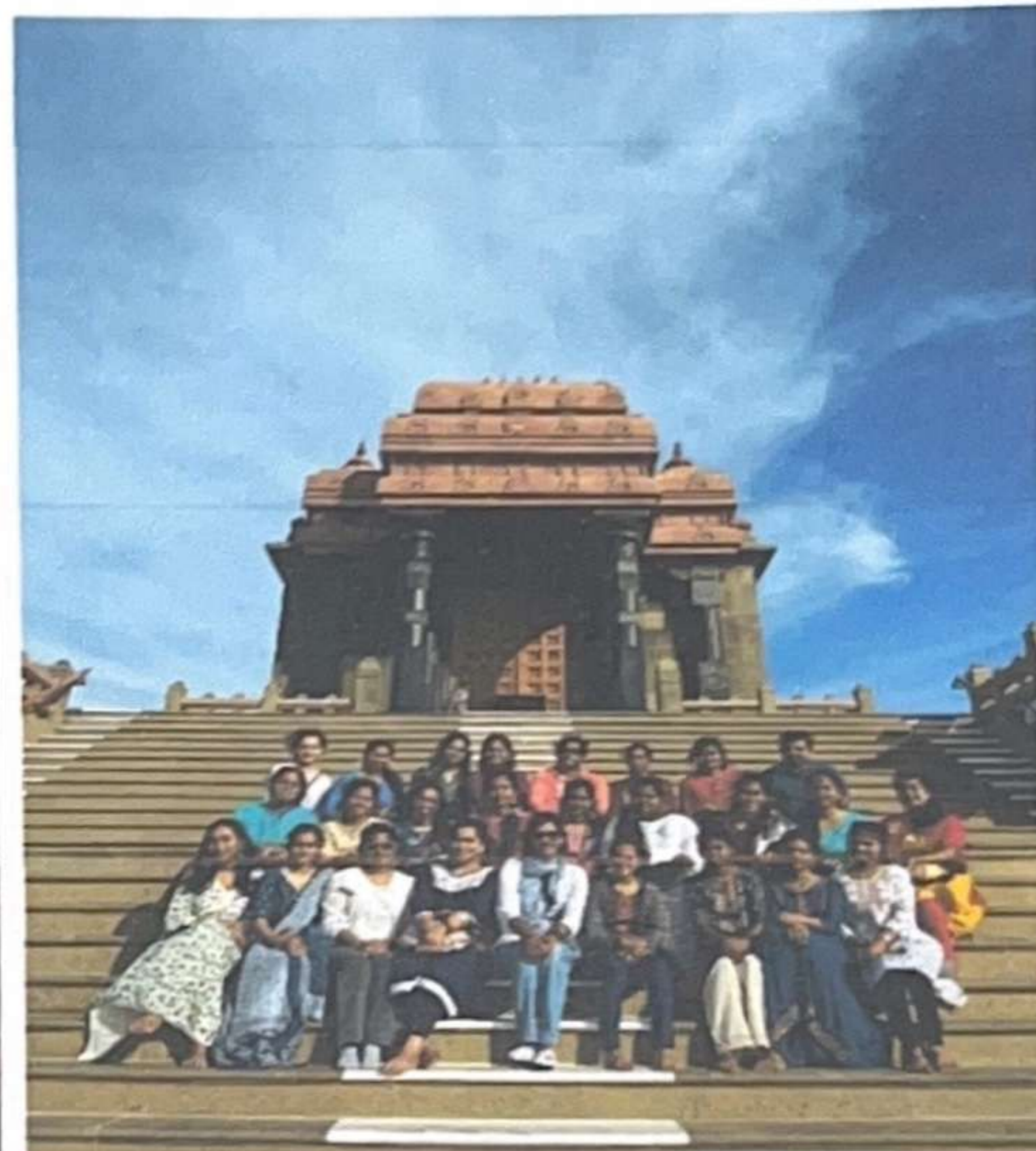
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FX9R+MVQ, Vishnu Nagar, Pappanamcode,
Thiruvananthapuram, Kerala 695019, India
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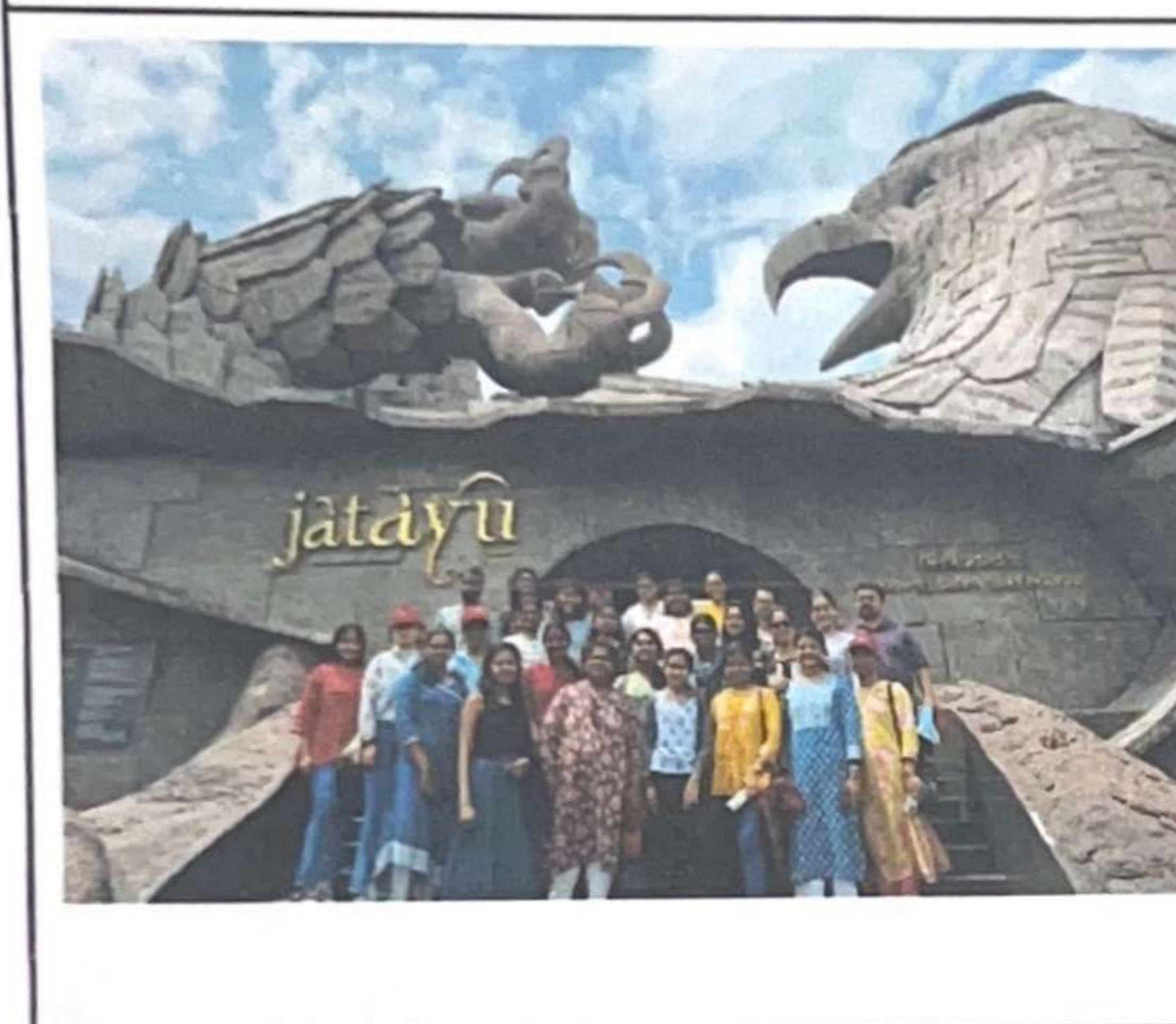
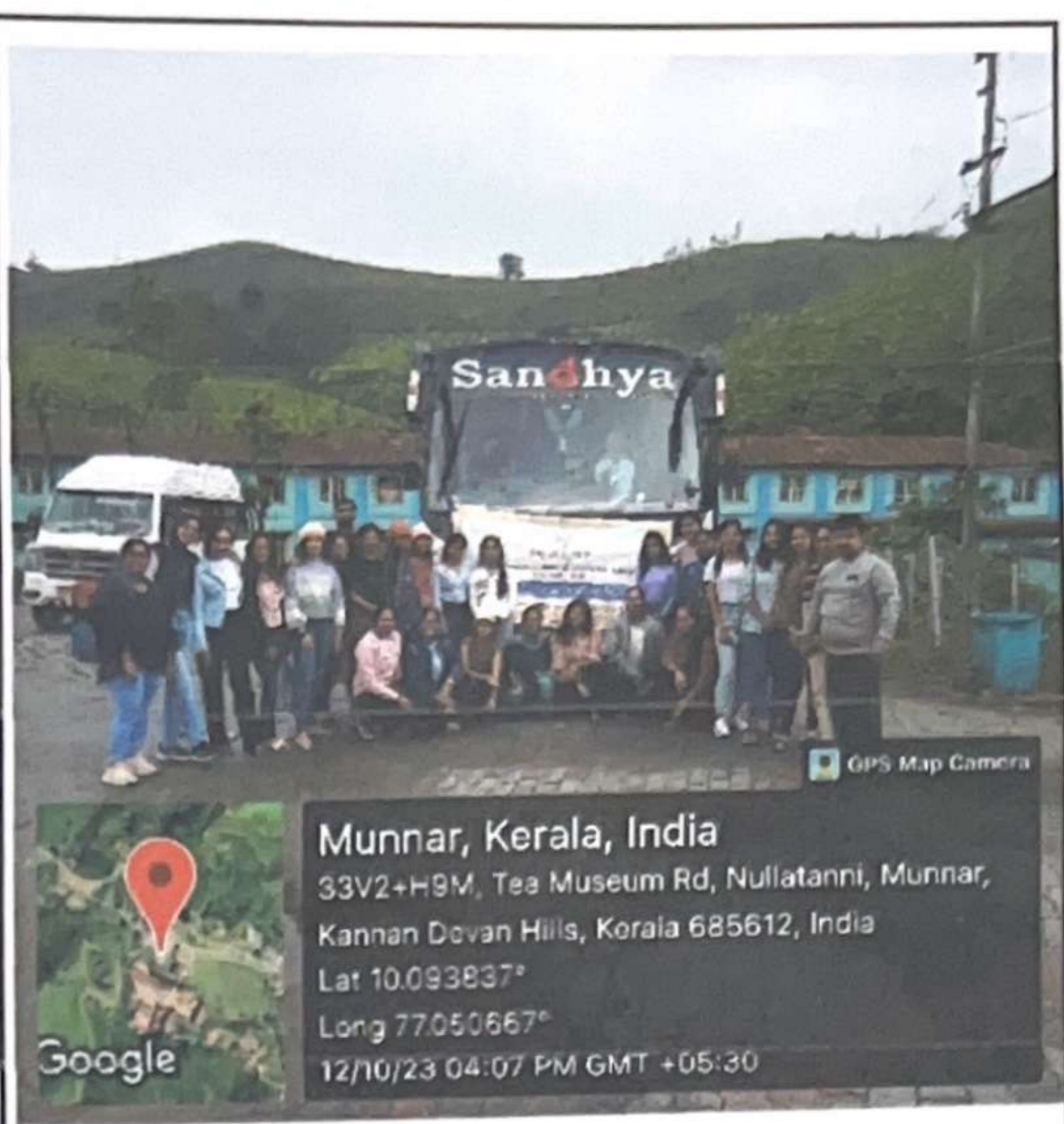
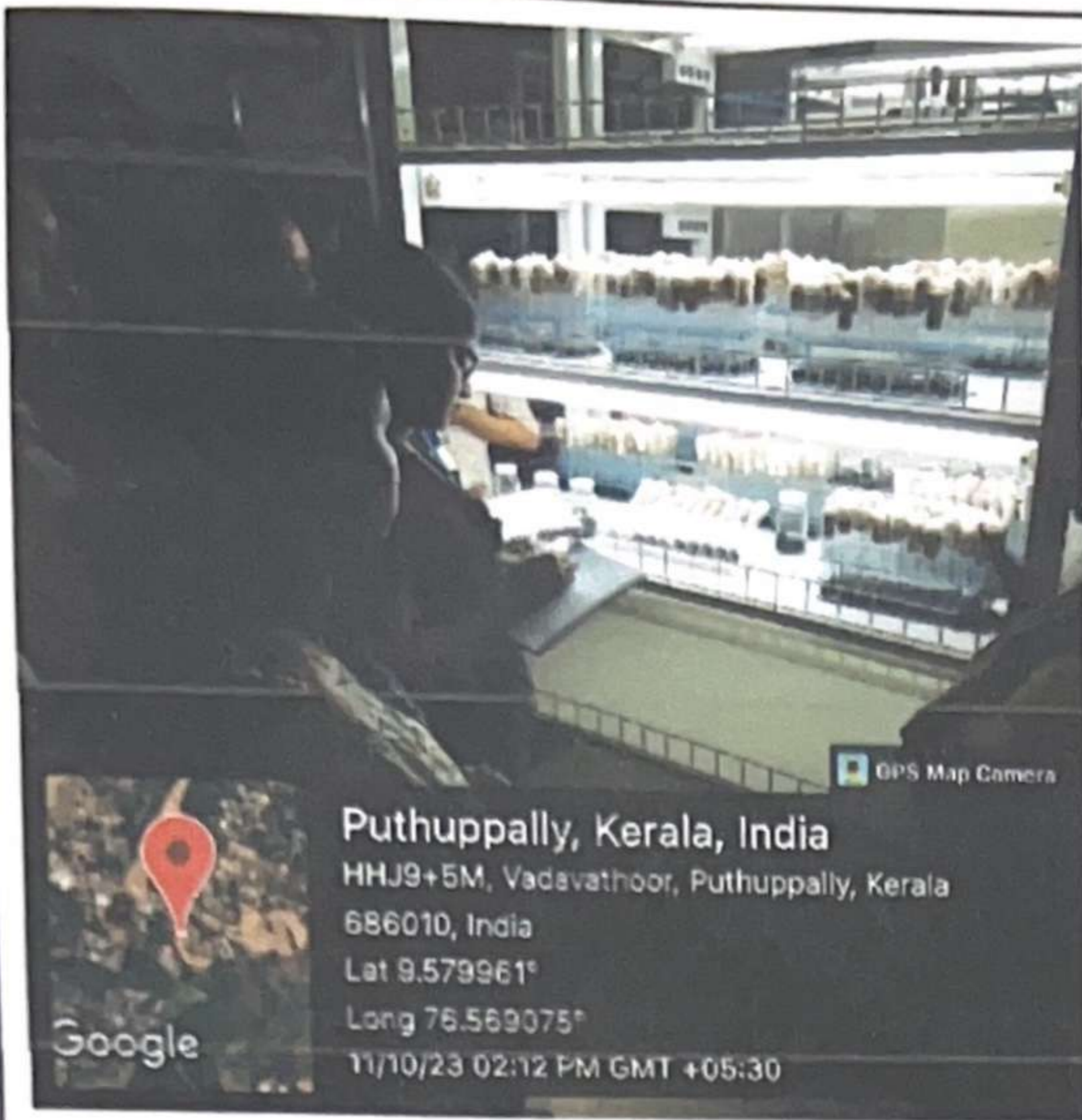
Google



Thiruvananthapuram, Kerala, India
Karyavattom, Thiruvananthapuram, Kerala 695581,
India
Lat 8.563097°
Long 76.888013°
09/10/23 06:39 PM GMT +05:30

Google





GOA UNIVERSITY
ATTENDANCE SHEET

Sl. No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Dr. Lakshangy Charya																														
2	Dr. Milind M. Naik																														

Signature:
Name of Faculty :
Designation:

Dr. Lakshangy Charya
Programme Director
Microbiology, SBSB

Signature:
Dean :

Prof. Bernard F. Rodrigues
Seal of the School/University: SBSB
Dean of School of Biological Sciences
& Biotechnology
Goa University, Goa-403206

Name of Faculty :
Designation:

Dr. Milind M. Naik
Assistant Professor
Microbiology, SBSB

Date:

16/10/2023