

Zoology Department

Exposure Trip to Sericulture Farm

5th May, 2025

Objectives:

1. The focus of this trip is to build relationships, expose students to different silk manufacturing units, reeling units and processing units
2. Provide interactive sessions with heads/ field workers of sericulture farm.
3. Provide experiential learning for the students.

Introduction of the Farm:

The Sericulture Farm, Lawsohtun, Shillong. The site was carefully chosen to fulfil our syllabus requirement. Lawsohtun is located at HV37+45G, East Khasi Hills District, Shillong-04, Meghalaya. Established in 1998, it is one of the well-operating sericulture farms in the state, spanning large area predominantly covered with mulberry tree plantations, which are the primary food source for silkworms. Sericulture is the art of rearing silkworms under artificial or domesticated conditions and extracting the silk fibre from their cocoons. This farm beautiful and scenic landscape, and its settings feature several small houses, each designated for specific stages of silkworm rearing, carefully maintained according to the needs of different instars. Skilled caretakers oversee this intricate process, ensuring the silkworms are reared with precision.

Outcome:

This report highlights the key takeaways, discoveries, and memorable moments from our excursion.

Visiting the sericulture farm was a highly enriching and educational experience that gave the students a deep insight into the fascinating process of silk production.

Right from the **mulberry plantation**, which is the primary food source for silkworms. It was interesting to learn how important the quality and variety of mulberry leaves are for

the growth of healthy larvae. The farm followed scientific cultivation methods to ensure a nutritious supply for the silkworms.

The students also learn firsthand from the researcher on the research facilities and manufacturing of silk. Simultaneously they also learn on the types of sericulture practised in Meghalaya, particularly for producing different types of silk such as muga, tasar and eri, in addition to the primary focus on mulberry silk.

Learning beyond the classrooms give them a sense of real-world experiences igniting their curiosity and increase their motivation to learn much more of what they were taught.

Similarly engaging with the community helps students develop empathy, teamwork, and effective communication skills.

Interactive lectures and explanations provided by the office runners in the rearing and reeling houses gave the students clarity on understanding the entire process of silkworm rearing or sericulture.

Number of Participants: 26 students and 2 Teachers





3.



The tour to the rearing house has helped us gain practical exposure to silk rearing and how each instar molts from first to the fifth stage in a short span of days (even though we were able to observe only the 5th instar stage feeding on mulberry leaves which were placed on local trays, arranged on well-spaced stands).



We were fortunate to be able to witness the reeling of the silk fibres to thread, which were processed in the reeling house, situated just a short distance from the Sericulture Farm, within the premises of the office of the District Sericultural officer, EKH District, Shillong - 04. This facility is equipped with state-of-the-art machinery, including multi-end and re-reeling machines, which play a crucial role in processing silk threads. We were told that the reeling house forms an integral part of the sericulture process, transforming the cocoons into high-quality silk threads.





05 May 2025 1:24 pm



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The visit to the Sericulture Farm provided valuable insights into the intricacies of silk farming and silk production. We have gained hands-on knowledge of mulberry plantation, silkworm rearing processes, including the importance of temperature and humidity control, feeding practices, and silkworm management. The visit to the reeling house showcased the transformation of the cocoon into high-quality silk threads, highlighting the role of state-of-the-art machinery in processing silk.

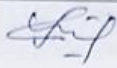
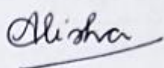
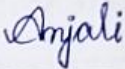
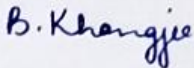
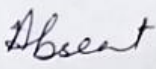
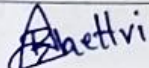
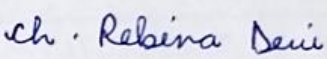
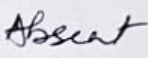
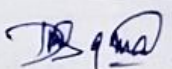
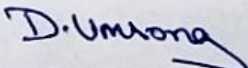
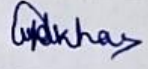
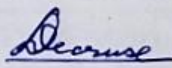
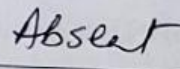
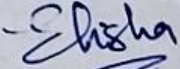
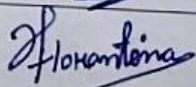
Expenditure: Rs 1500/- only (Rupees Fifteen Hundred only)



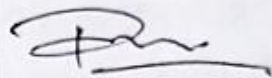
ZOOLOGY DEPARTMENT, LADY KEANE COLLEGE
Exposure Trip to Sericulture Farm

DATE: 5th May, 2025

TIME: 11:00 AM

ATTENDANCE SHEET

S No.	Name	Semester	Signature
1.	Laxmi Dorjee	4 th Semester	
2.	Alisha Mizi	4 th Semester	
3.	Anjali Wangjam	4 th Semester	
4.	Bakmenlang Khongjee	4 th Semester	
5.	Bandarihun Lawai Marboh	4 th Semester	
6.	Bipna Chettri	4 th Semester	
7.	Chingakham Rebina Devi	4 th Semester	
8.	Daiahunlang M Syiem	4 th Semester	
9.	Damchi M Sangma	4 th Semester	
10.	Danisha Umsong	4 th Semester	
11.	Daphira Wardkhar	4 th Semester	
12.	Deiphisha Decruse Wanbah	4 th Semester	
13.	Elisa Wong Wahlang	4 th Semester	
14.	Elisha Nongtri	4 th Semester	
15.	Florantina Rossi Laiphprakpam	4 th Semester	

S No.	Name	Semester	Signature
16	Gollo Juma	4 th Semester	
17	Kepan Tachiring	4 th Semester	
18	Lanchuilu maringmei	4 th Semester	Lanchui
19	Languangmei kamei	4 th Semester	Languangmei K.
20	Mihpli Law	4 th Semester	M. Law
21.	Ngilyang Rupa	4 th Semester	
22	Rikgam Chiasa R Marak	4 th Semester	R. Marak
23	Robita Jana	4 th Semester	R. Jana
24.	Sadiya Choudhury	4 th Semester	Sadiya Choudhury
25.	Samcha Tongluk	4 th Semester	S. Tongluk
26.	Shiya Huidrom	4 th Semester	Shiya Huidrom
27	Siristi Chettri	4 th Semester	S. Chettri
28	Suhana Nongrum	4 th Semester	