



Shivaji College
UNIVERSITY OF DELHI
ACCREDITED BY NAAC WITH 'A' GRADE



**SHIVAJI COLLEGE
(UNIVERSITY OF DELHI)**

DETAILS OF THE EVENT

TITLE OF THE EVENT:	Visit to Sericulture Institute in Acharya Narendra Dev College
DATE AND TIME:	21.10.2023
NATURE:	OFFLINE✓ (MARK ✓)
VENUE:	Acharya Narendra Dev College, Govindpuri, Kalka ji New Delhi-110019
DEPARTMENT/COMMITTEE/SOCIETY:	DEPARTMENT OF LIFE SCIENCE
TIC/CONVENER NAME:	DR. DEEPIKA YADAV
NUMBER OF PARTICIPANT:	attach list of all attendees with their signatures
FINANCIAL ASSISTANCE (IF ANY):	NO✓ (MARK ✓)
(i) Amount:	NIL
(ii) Funding agency details:	NA

BRIEF WRITEUP ABOUT THE INVITED SPEAKER(S)

NAME & DESIGNATION	AFFILIATION	PHOTO

LEARNING OBJECTIVES:	To observe and understand the various processes involved in rearing of silkworms.
OUTCOME:	The students were greatly benefitted from the visit and were able to- 1. Understand the process of Moriculture i.e. culturing of mulberry plants (variety S146). 2. Leaf identification, plucking and storage in rearing house. 3. Maintenance and disinfection of rearing house. 4. Observed and learnt the different stages of life cycle of silkworm of <i>Bombyx mori</i> and its rearing. 5. Learnt the process of cocoon harvesting, degumming and spinning to obtain silk.

BRIEF REPORT OF THE EVENT:**THE REPORT MUST INCLUDE THE FOLLOWING DOCUMENTS AND PROOF IN THE GIVEN ORDER:**

1.	Permission letter (Duly signed) ✓
2.	Poster/invites
3.	Photos(geotagged) ✓
4.	Link of video clip (If any)
5.	Attendance sheet with signatures of all attendees (mandatory) ✓
6.	Feedback form and analysis ✓
7.	MoU/ Collaboration Proof (If any)
8.	Media coverage (Digital/Print/None)
9.	Event completion report (Duly signed) ✓
10.	Financial assistance/sponsorship proof (If any)
11.	A scan of blank certificate, if given to participants / winners
12.	Any other document

(For Office use only)

IQAC Document No:	IQAC/SH/2023-2024/ Society/Dept./Committee /
IQAC file No:	SH/2023-24/

TICK MARK (✓): The relevant NAAC criteria pertaining to the event.

Criterion I	Curricular Aspects (planning & Implementation)	Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation	Criterion VI	Governance
Criterion III	Research, Innovations & Extension	Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure		

Deepika Yadav
TIC/CONVENER
(NAME & SIGNATURE)

Ujjain Singh
28/12/23.
IQAC COORDINATOR
(SIGNATURE)

To,
The Principal
Shivaji College
University of Delhi
Raj Garden
New Delhi - 110027

P/9578/23

19/10/23

Date: 19/10/2023

Subject: Request for grant of permission
to visit Acharya Narendra Dev College
on 21-10-2023.

Respected Sir,

I, Dr. Nidhi Garg, Assistant Professor in the
Department of Zoology wish to state with due respect
that the students of BSc. Life Sciences, Semester II
have to be taken to Acharya Narendra Dev
College on 21-10-2023 at 11.00 am as part of
Academic visit for the practical paper of
Sericulture. The students will be reaching the
college on their own. The consent letter for
the visit duly signed by their parent/guardian
will be provided by the students.

Thanking You.

Yours faithfully,

Nidhi

(Dr. Nidhi Garg)
Assistant Professor
Department of Zoology
Shivaji College

Forwarded

Deepika Yadav
19th Oct 2023.

(Dr. Deepika Yadav)

T.I.C.

Life Sciences.

SPACE पर अपलोड करने का अनुरोध किया गया था। साथ ही उनसे छात्रों को सभी अंक दिखाने और 50% से कम अंक प्राप्त करने वाले छात्रों के नाम रिपोर्ट करने का भी अनुरोध किया गया था।

3. विद्यार्थियोंकेलिएविभागद्वाराआयोजितहोनेवालीअध्ययनयात्रा (field trips) केसन्दर्भमेंचर्चाकी गई।इन तिथियों पर निम्नलिखित शिक्षक छात्रों के साथ रहेंगे:

विषय का नाम	शिक्षकका नाम	तारीख	स्थान
Diversity of Animals (LS Sem I)	Dr. Neetu Singh Dr. Kulbhushan Thakur Dr. Megahli Bharti	November 7, 2023	Sanjayvan
Sericulture (LS SEC Sem V)	Dr. Nidhi Garg	21.10.2023	ANDE
Animal Behaviour (ZH Sem V)	Dr. Aeshna Nigam & Dr. Rakesh Roshan	November 6, 2023	Delhi Zoological Park
Wildlife Conservation & Management (DSE Sem III)	Dr. Rakesh Roshan, Dr. Kulbhushan Thakur, Dr. Jitendra K. Chaudhary, Dr. Tsewang Namgial &Dr. Megahli Bharti	November 4, 2023	Delhi Zoological Park
Nature & Wildlife Studies (GE Sem I)	Dr. Rakesh Roshan, Dr. Kulbhushan Thakur, Dr. Jitendra K. Chaudhary, Dr. Tsewang Namgial &Dr. Megahli Bharti	November 4, 2023	Delhi Zoological Park
Concepts of Ecology (ZH Sem I)	Prof. Sunita Gupta, Dr. Nidhi Garg&Dr. Rakesh Roshan	November 7, 2023	Sanjayvan

4. Non-performer, Slow & Fast learner विद्यार्थियोंकीसूचीतैयारकरनाऔरउनकेबारेमेंविचारविमर्श।Non-performerका निर्णय उपस्थिति के आधार पर किया जाएगा।Slow & Fast learners will be decided on basis of internal assessment.

- 5.Add-on courses/ Short-term course केबारेमेंचर्चाकी गई।बुनियादी ढांचे की कमी और अपर्याप्त शिक्षण सहायक स्टाफ के कारण, प्राणीशास्त्र विभाग इस सेमेस्टर में कोई अतिरिक्त पाठ्यक्रम प्रस्तावित नहीं कर रहा है।

Event Completion Report- Visit to Sericulture Research Centre of Acharya Narendra Dev College

Date: 21st October 2023

Time: 11:00 A.M

Institute: Acharya Narendra Dev College, University of Delhi, Govindpuri, Kalkaji, New Delhi 110019

Course: B.Sc (P) Life Sciences

Subject: Sericulture (SEC)

Teacher Co-ordinator: Dr. Nidhi Garg

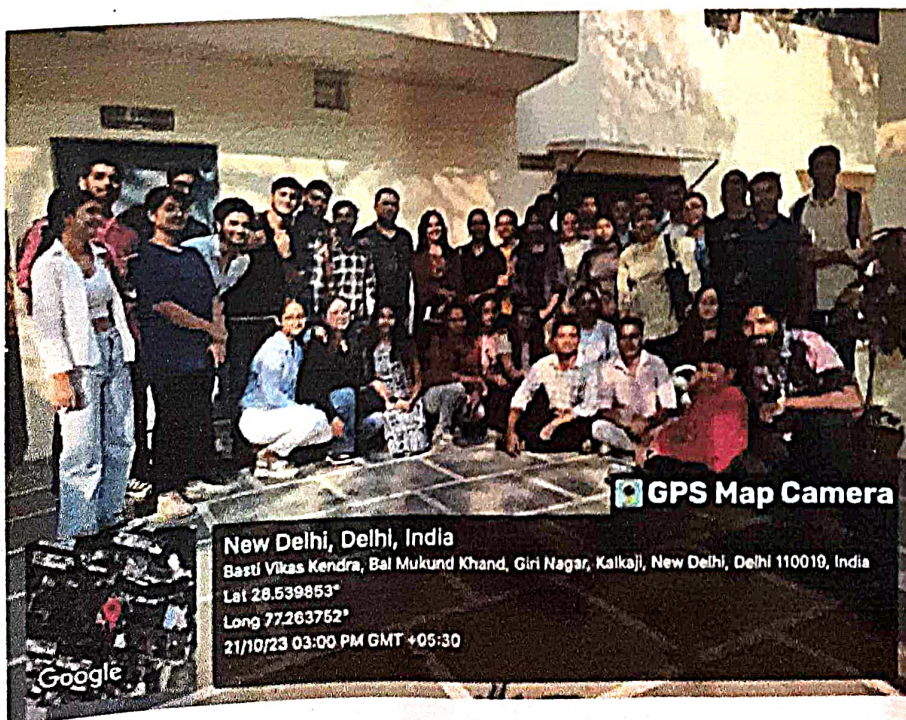
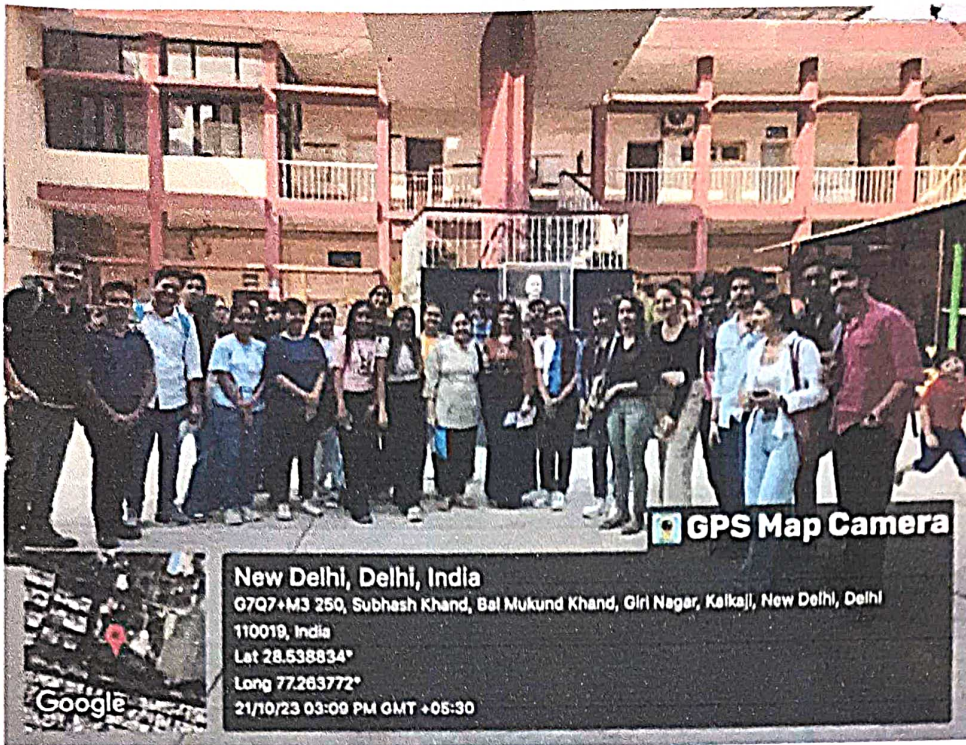
The 27 students of B.Sc. (P) Life Sciences of Semester V of Shivaji College, University of Delhi had visited Acharya Narendra Dev College, Seri-Lab on October 21st 2023 at 11 a.m. This visit was a part of their practical syllabus and all students prepared a detailed report on the same. The students were accompanied by their teacher: Dr. Nidhi Garg

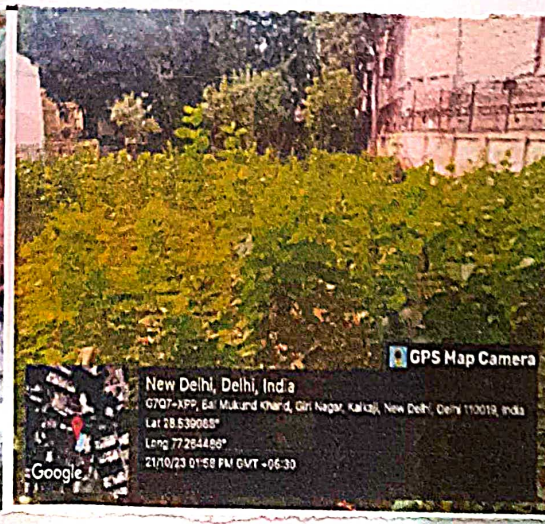
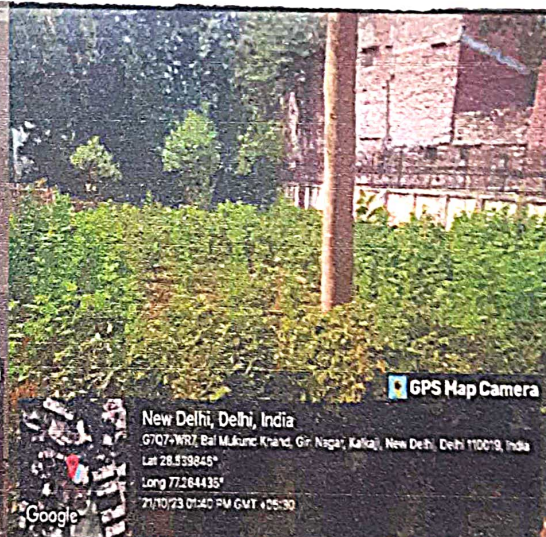
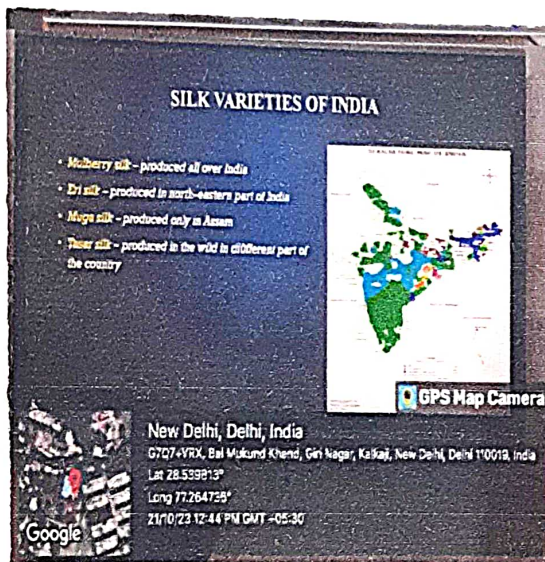


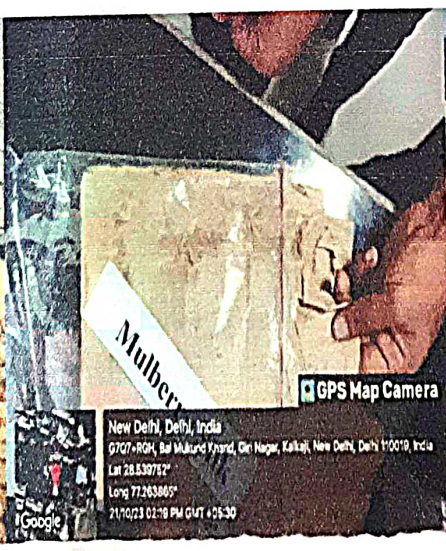
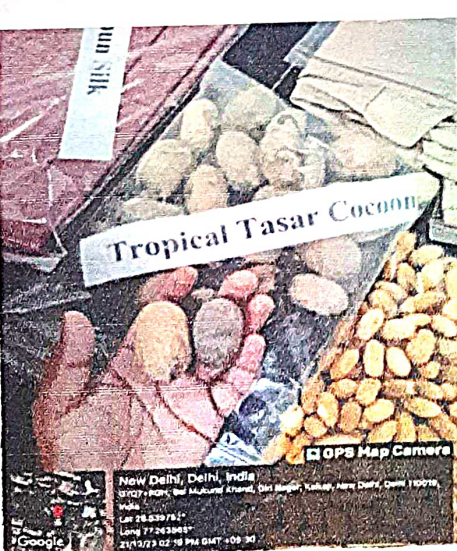
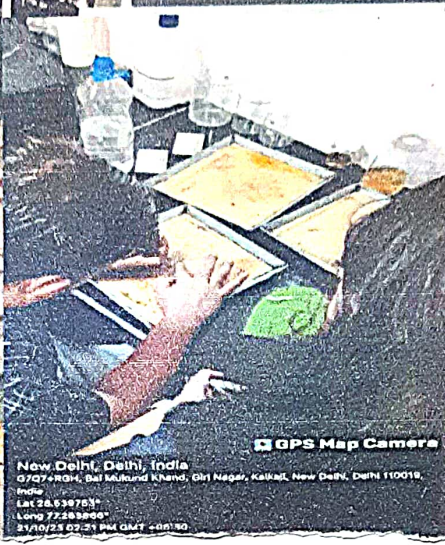
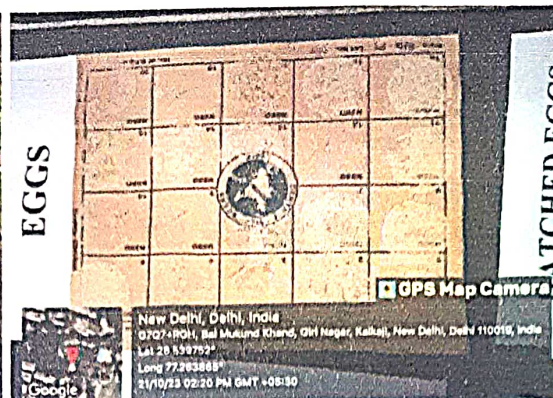
At the Acharya Narendra Dev College, students were given a brief history of Sericulture including its discovery, the silk route, different varieties of silk that are produced by different silk moths which includes Mulberry silk and Vanya silk by Dr. Sushma Bharadwaj. Later they were taken to the indigenous mulberry garden of the college where they were shown to grow the S-146 variety of Mulberry from cutting, under the guidance of Dr. Sanjay Vohra, students were also taught how to pluck different sizes of leaves for different instar larvae, chopping and storing of leaves were also shown. After that the students visited the Sericulture lab where there were shown the life cycle of Mulberry silkworm (Egg, Larva, Pupa & Adult) with different instars of larvae (1st, 2nd, 3rd, 4th & 5th instar), moulting of larvae, mounting of the larvae, boiling & reeling of cocoons. Cocoons of 4 different silk moths were also shown which were, Mulberry cocoons (Bivoltine & Multivoltine), Taser Cocoons (which were pedunculate), Eri cocoons (contribute in Ahimsa silk production), and Muga silk (having a unique coarse texture). The information of disease infestation and their control methods, mechanization, uses of disinfectants, and features of rearing house were also discussed.

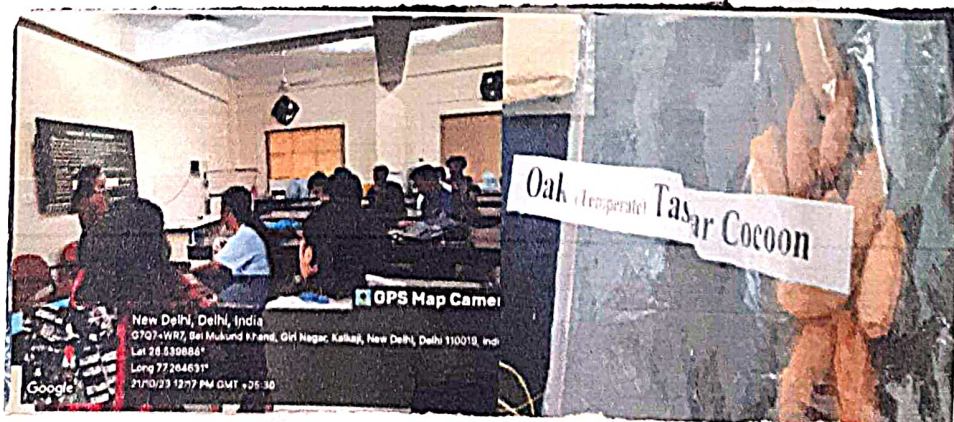
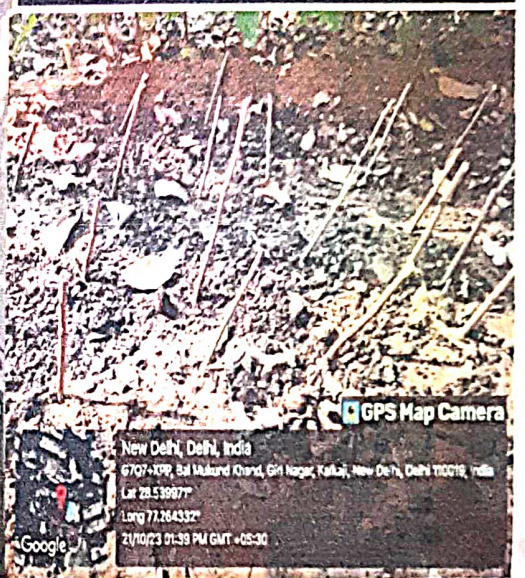
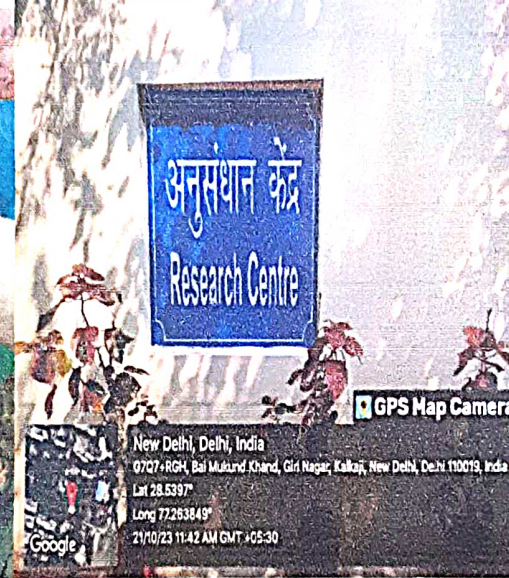
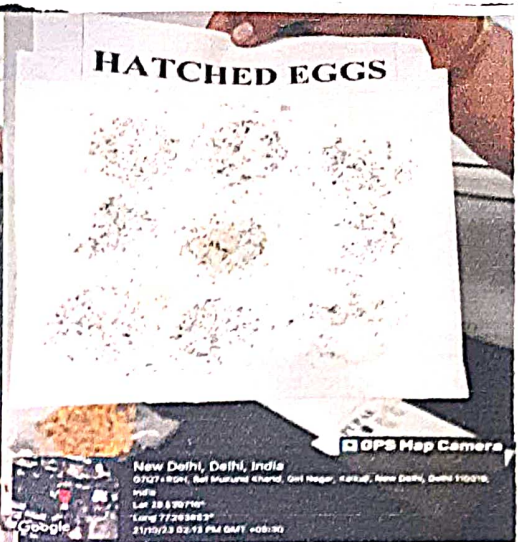
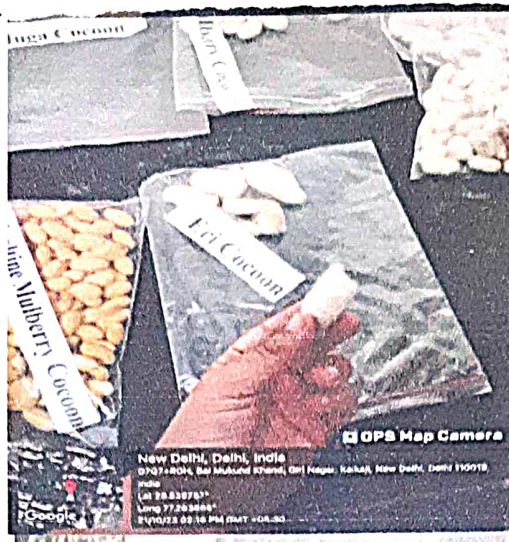
Nidhi'
(Dr. Nidhi Garg)

Safika Yadav

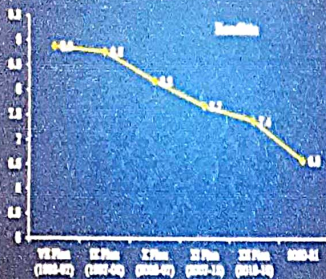








Renditta = Amount of cocoon (in kg) required to produce 1 kg of silk



WHY SERICULTURE??

3. Women employment

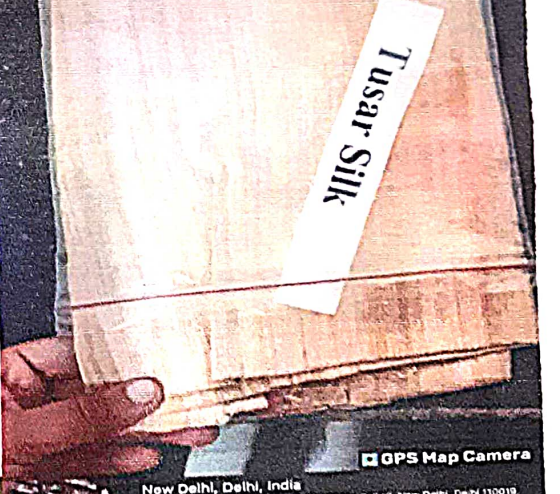
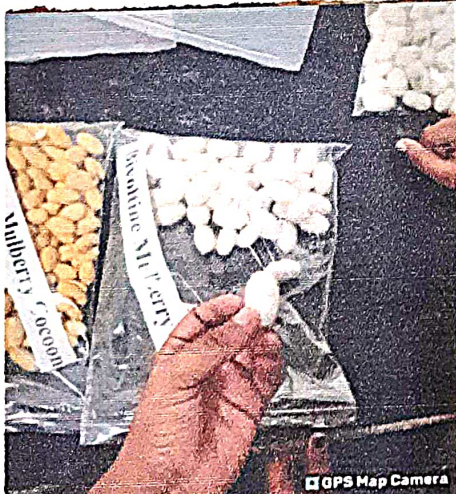
- Women constitute over 60 % of the population employed in down-stream activities of sericulture in the country.
- They are involved in periculture activities starting from mulberry garden management, leaf harvesting and silkworm rearing.

4. Supports the weaker sections of society

- It can be practiced even with very low land holding. 1/4 acre of mulberry garden and silkworm rearing can support a family of three without hiring labour.
- Features such as low pesticide, high returns makes sericulture an ideal programme for weaker sections of the society.

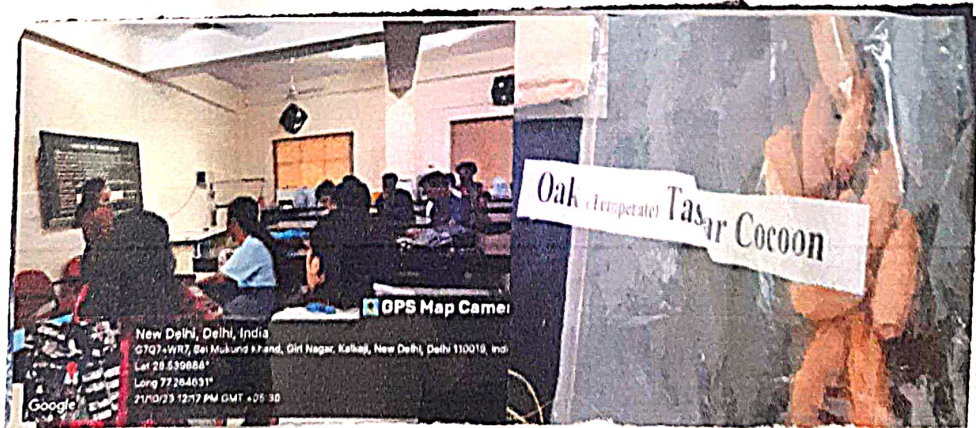
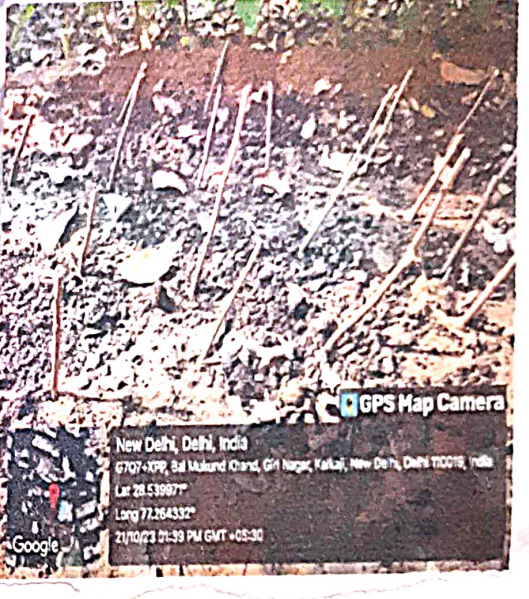
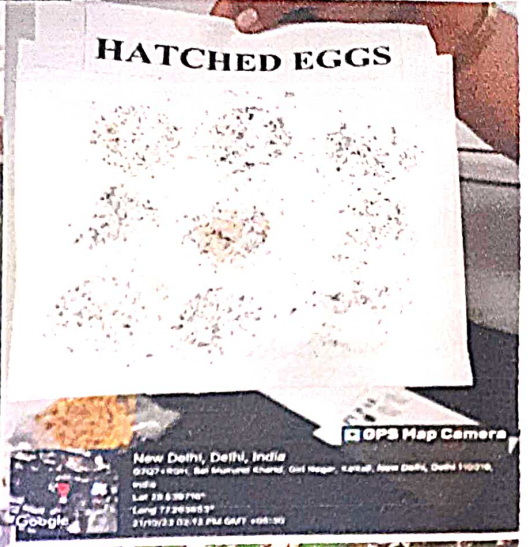
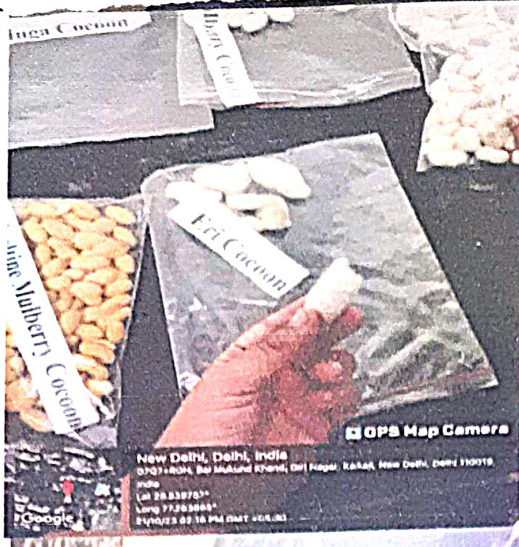
5. Eco Friendly Activity

- Sericulture is an eco-friendly activity as a perennial crop and mulberry helps in soil conservation and provides green cover.
- Silkworm rearing waste can be used as inputs in the garden. Mulberry twigs and branches can be used as fuel in place of other wood and help in reducing pressure on forest.

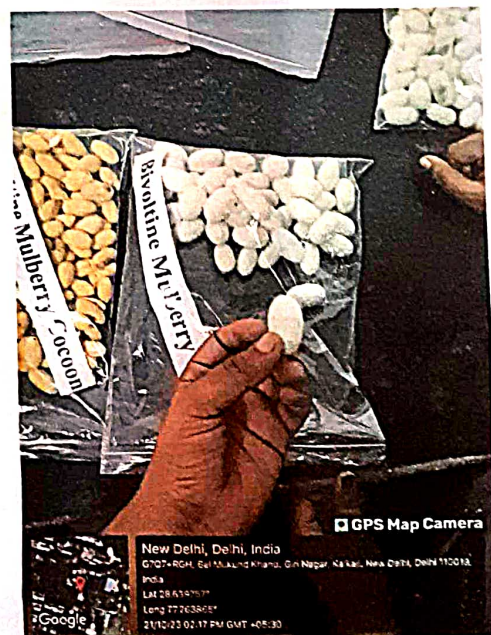
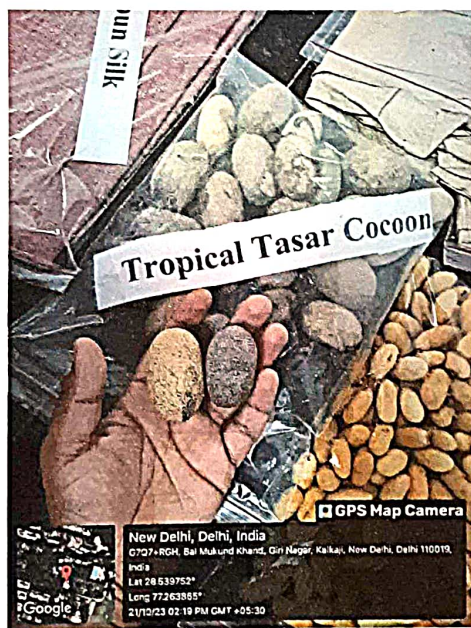
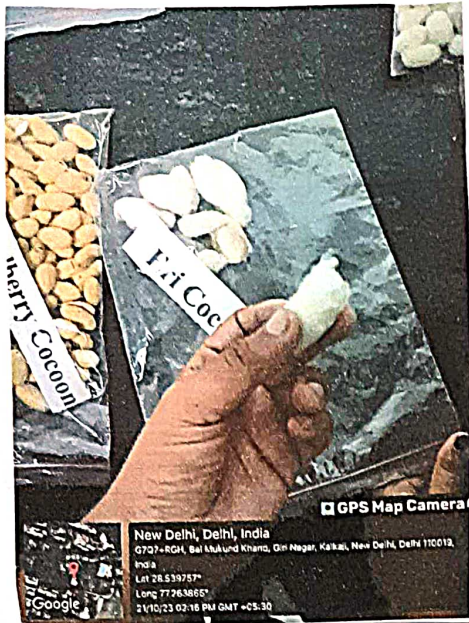


New Delhi, Delhi, India
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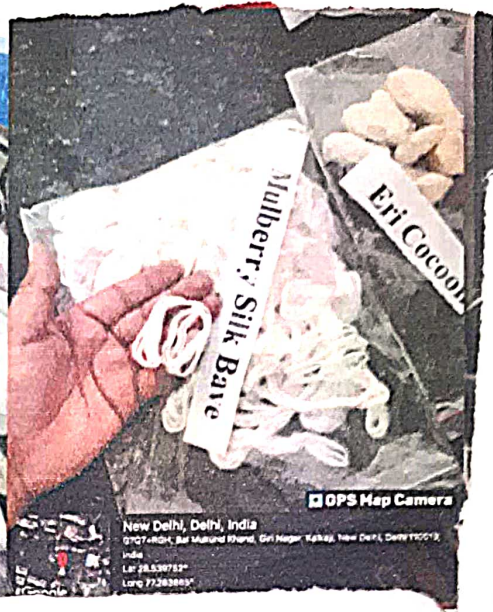
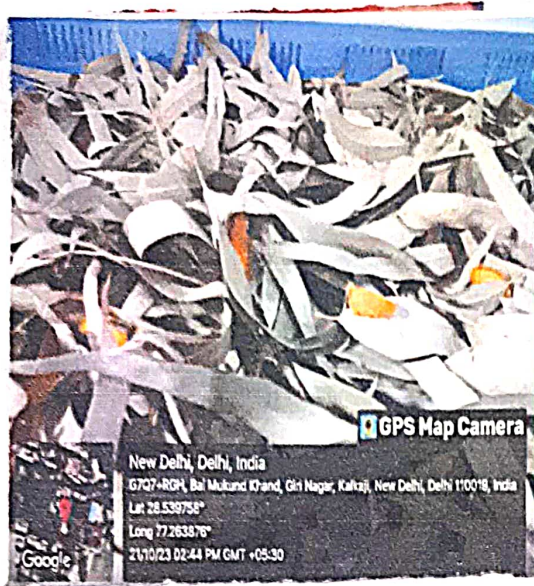
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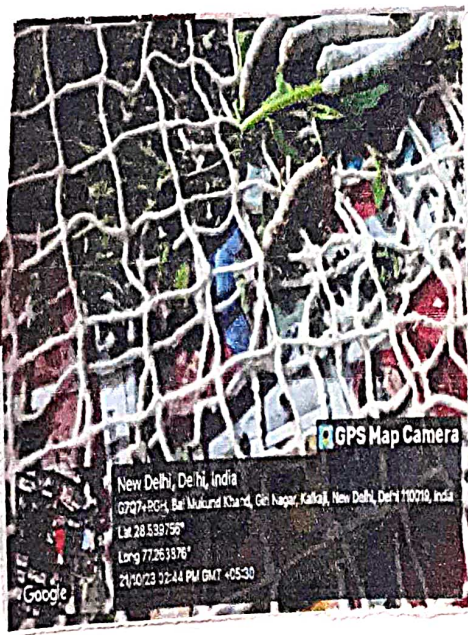
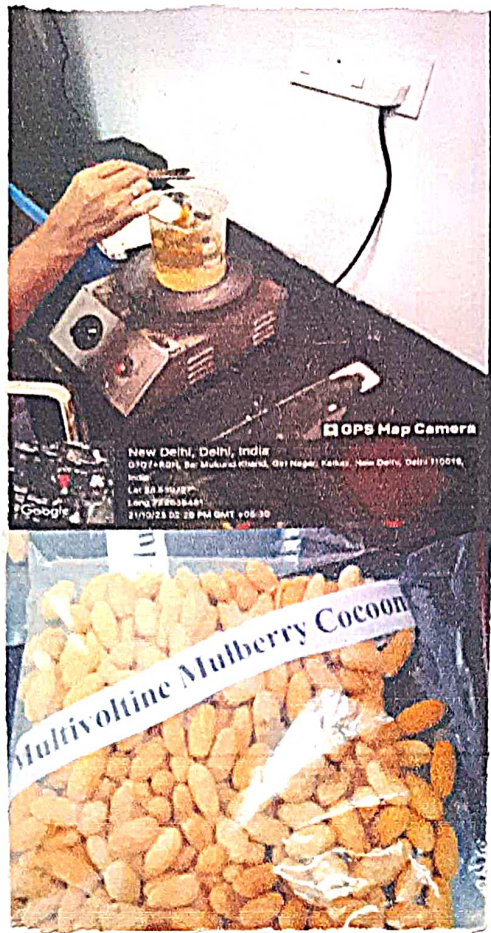


COCOONS









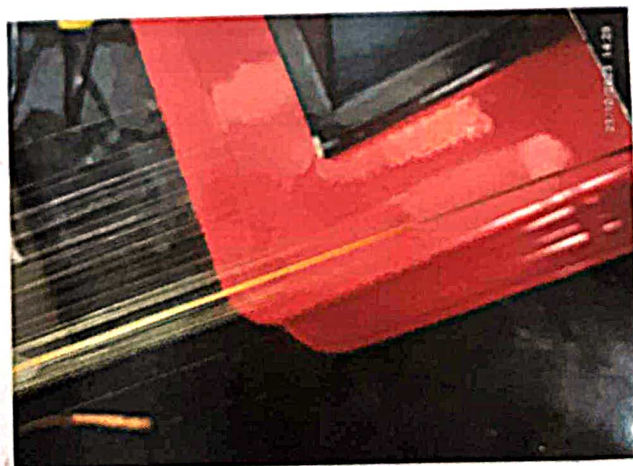


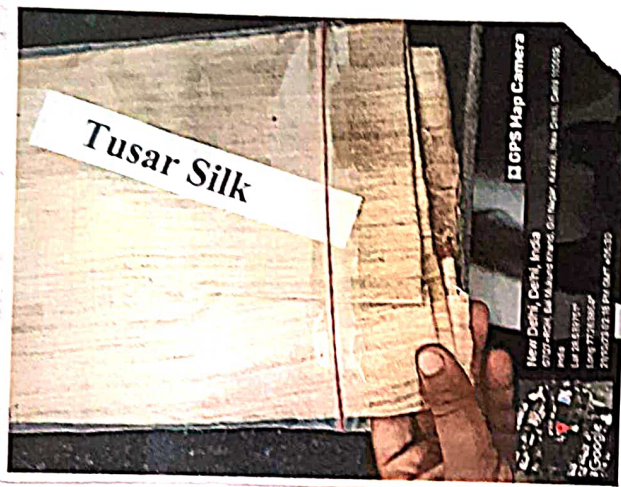


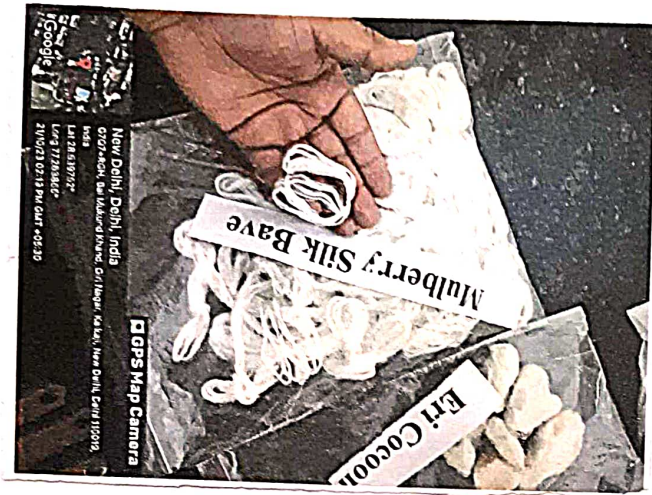
Equip -

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Used in Sericulture







Mulberry Silk & Cloth

Visit to Acharya Narendra Dev College (UNIV. OF DELHI)

College name: Shivaji College
Course Name: B.Sc. Life Sciences

Paper Name: Sericulture

Semester: V

Date of visit: 21.10.2023

S. No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Sericulture Visit
1.	20071583001	21/23209	Aakash Jha	ABSENT		
2.	20071583002	21/23140	Ajay Chauthan	ABSENT		
3.	20071583004	21/23074	Akshara Sharma	ABSENT		Nice and informative.
4.	20071583006	21/23024	Ananya Tiwari	ABSENT		
5.	20071583008	21/23078	Anisha Chakravorty	ABSENT		
6.	20071583009	21/23070	Anjali Singh	ABSENT		
7.	20071583010	21/23185	Ankit Kumar	ABSENT		very nice experience
8.	20071583013	21/23099	Arshit Daksh	ABSENT		Aesthetic
9.	20071583023	21/23129	Divisha	ABSENT		Refreshing to see and explore in detail.
10.	20071583024	21/23152	Eidzes Dolma	ABSENT		Exciting
11.	20071583025	21/23062	Erin Tyagi	ABSENT		
12.	20071583026	21/23204	Garv Yadav	ABSENT		
13.	20071583027	21/23169	Gungun	ABSENT		Had a nice experience.

Verified
21/10/2023

S.No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Sericulture Visit
14.	20071583028	21/23034	Gungun Garg	<i>Gungun</i>	<i>Gungun</i>	It was great visit and experience full.
15.	20071583034	21/23202	Himanshu	<i>Himanshu</i>	<i>Himanshu</i>	very help.
16.	20071583038	21/23080	Jhalak Kalra	<i>Jhalak</i>	<i>Jhalak</i>	Very helpful and good staff.
17.	20071583039	21/23098	Juvin singh	<i>Juvin</i>	<i>Juvin</i>	very helpful
18.	20071583045	21/23121	Khushi	<i>Khushi</i>	<i>Khushi</i>	It was very knowledgeable visit
19.	20071583046	21/23053	Khushi Kumari	<i>Khushi</i>	<i>Khushi</i>	It was great experience.
20.	20071583047	21/23027	Komal	<i>Komal</i>	<i>Komal</i>	Nice experience.
21.	20071583050	21/23100	Lavanya Gupta	<i>A</i>	<i>BSENT</i>	
22.	20071583061	21/23135	Nikhita Thapliyal	<i>A</i>	<i>BSENT</i>	
23.	20071583063	21/23116	Nikita Yadav	<i>A</i>	<i>BSENT</i>	significant experience
24.	20071583067	21/23207	Nur Mohammad Rajan Shiekh	<i>A</i>	<i>BSENT</i>	
25.	20071583070	21/23015	Purna	<i>BSENT</i>	<i>BSENT</i>	Nice and informative

Nubla
21/10/2023

S.No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Sericulture Visit
26.	21071583071	21/23191	Prince Bhadana	<i>Beence</i>	<i>Beence</i>	This is very informative and interesting.
27.	21071583072	21/23036	Priya			
28.	21071583073	21/23156	Priyanka Yadav	AB SENT	AB SENT	
29.	21071583074		Priyanka	AB SENT	AB SENT	It was great and informative visit.
30.	21071583075	21/23199	Purnima Maurya	AB SENT	AB SENT	
31.	21071583077	21/23178	Rishi Pandey	<i>Rishi</i>	<i>Rishi</i>	It was a very helpful session in visualizing the process of sericulture.
32.	21071583078	21/23206	Ritika Dewan	<i>Ritika</i>	<i>Ritika</i>	Very helpful & informative visit
33.	21071583081	21/23149	Riya Kumari	AB SENT	AB SENT	
34.	21071583087	21/23138	Shruti Mishra	<i>Shruti</i>	<i>Shruti</i>	Very interesting & informative.
35.	21071583090	21/23013	Soumya Kushwaha	<i>Soumya</i>	<i>Soumya</i>	It was very great and informational visit interesting and informative.
36.	21071583091	21/23184	Stanzin Diskit	<i>Stanzin Diskit</i>	<i>Stanzin Diskit</i>	
37.	21071583092	21/23063	Susmita Chetry	AB SENT	AB SENT	

Nidha
24/10/2023

38.	21071583093	21/23133	Tanishka Dhiran			
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S. No.	Examination Roll no.	Class Roll no.	Student's name	Student's Signature Morning	Student's Signature Evening	Student Feedback for the Sericulture Visit
39.	21071583095	23/23079	Tanya Chauhan	ABSENT		
40.	21071583096	21/23176	Tundup Lamo	T. Lamo	T. Lamo	Awesome experienced
41.	21071583099	21/23203	Yamini	Yamini	Yamini	It was very informative visit
42.	21071583100	21/23006	Yanshi Pal	ABSENT		
43.	21071583104	21/23193	Yogesh Singh Gusain	Yogesh	Yogesh	Happy.
44.	21071583105	21/23190	Zahira Tabassum	ABSENT		
45.	21071583107	21/23045	Abhinav Srivastava	Abhinav	Abhinav	It was informative
46.		21/23014	Samarjeet Singh	Samarjeet	Samarjeet	had fun.
47.						
48.						
49.						
50.						

• 27 students,

Nidhi
21/10/2023