



Shri Shivaji Education Society Amravati's



Shri Shivaji Science And Arts College,

Chikhli Di: Buldhana

Department of Zoology

**Report
on**

Certificate Course in Sericulture

Sponsored by PM-USHA: 3.0 (Strengthening Colleges)

2025-26



Duration-15/11/2025 to 21/02/2026



Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI SCIENCE & ARTS COLLEGE
CHIKHLI DIST. BULDANA (M.S.)



Department of Zoology
Certificate Course in Sericulture
Sponsored by PM-USHA: 3.0 (Strengthening Colleges)

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Shri Shivaji Education Society Amravati's



Shri Shivaji Science And Arts College ,

Chikhli. Dist: Buldana

Department of Zoology

Organizes

Certificate Course in

Sericulture



Organizer

Dr. Pramod Padole

Principal

Shri Shivaji Science & Arts College, Chikhli

Course Coordinator

Dr. Vijayshree M. Hemke

Associate Professor & Head

Faculty

Dr. Rajendra B. Gade

Assistant Prof.

Note:

- 1) For Admission Contact to Course Coordinator at Zoology Department
- 2) The Course will be conducted from 15/11/2025 to 21/02/2026
- 3) After successful Completion of the course, certificate will be provided
- 4) Classes will be conducted online as well as offline mode

Registration Date: 10/11/2025 to 13/11/25



Department of Zoology Certificate Course in **Sericulture**



Sericulture is the art and technique of silk production. Sericulture is an agro-industry comprising of two aspects viz. cocoon production and silk reeling. This agro-industry has important socio-economic implications as it generates employment and income especially in the informal sector, among landless and marginal farmers and women; mitigates poverty and paces down rural to urban migration. The price spread in sericulture favours the farm sector to an extent of 48 per cent.

The caterpillars of the '*Bombyx mori*' are the most commonly used silkworm species in sericulture. Other types of silkworms (such as Eri, Muga, and Tussar) are also cultivated for the production of 'wild silks'.

Objectives of the Course

- ✓ To motivate students for scientific study in the field of Agro-based Industry by— performing simple projects and field visits.
- ✓ To developed the skill, how to develop and earn regular incomes through sericulture in the Buldhana Region
- ✓ To cultivate public awareness and appreciation for Sericulture as a earning source
- ✓ To Train the students in identifying the diseases and pests of the mulberry plant
- ✓ We get to learn about the various skills that are necessary for self employment in the mulberry and seed production
- ✓ This course gives us employment and job opportunities in the public, private and government sector

Details of the Physical Infrastructure to be provided for the course:

Classroom:

Sufficient Class rooms are available in the college for online and offline classes.

Utility of the proposed course:-

i) Skills development ii) Entrepreneur

iv) Practical Set:-

- ✓ Mulberry plantation
- ✓ DFL's (Disease free Laying's)
- ✓ A rearing house and rearing Trays
- ✓ Chandrika nets for cocoon production
- ✓ Disinfectants and Equipments Thermometers and Hygrometers
- ✓ Cocoon Harvesting trays n bags
- ✓ Videos and Presentation

v) Workbooks / manuals required: - (which are designed by the college)

To Study the Sericulture projects college designed experiment manuals and specimens.

vi) Infrastructure available: a) Classroom: 3 digital Class Rooms b)

Lab: - Laboratory and silkworm rearing house



Course Outcome

- **CO1**-On completion of the Sericulture course, students will be able to understand overall aspects of Sericulture, namely, Mulberry and non mulberry silkworms and their food plants, Rearing of the silkworm, Silkworm pathology their prevention and its relevance in Seri-farmers livelihood.
- **CO2**-This course creates awareness among students about the economic importance and suitability of Sericulture in Indian conditions.
- **CO3**-Demonstrating the Laboratory and field skills in mulberry cultivation and silkworm rearing with an emphasis on technological aspects.
- **CO4**- Students will get hands-on training on Mulberry nursery management, Silkworm rearing.
- **CO5**- Students will know the different components and chain link of sericulture industry.
- **CO6**-Competent to transfer the knowledge and technical skills to the Seri-farmers.
- **CO7**-Demonstrate entrepreneurship abilities, innovative thinking, planning, and setting up small-scale enterprises.





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Department of Zoology
Certificate Course in Sericulture
PM-USHA: Component-3 Grants (To Strengthen College)

Notice

Subject: Admissions open for Certificate Course in Sericulture

It is hereby informed to all students that the Department of Zoology is conducting Certificate Course in Sericulture sponsored by PM-USHA.

Course Details:

Course Title: Certificate Course in Sericulture

Duration: 3 Months from 15/11/2025 to 21/02/2026

Sponsorship: PM-USHA 3.00

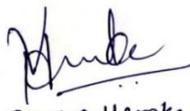
Eligibility: Open to all

How to Apply:

Students fill out registration form which is available in Zoology Laboratory , submit it to Dr. V. M. Hemke -Coordinator on or before 13/11/2025

The classes will be conducted in Zoology Laboratory.

Course Coordinator


Dr. V. M. Hemke
HEAD
Department of Zoology,
Shri Shivaji Sci. & Arts College,
Chikhli Dist. Buldana 44320


PRINCIPAL
Shri Shivaji Science & Arts
College Chikhli, Dist. Buldhana



Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI SCIENCE & ARTS COLLEGE
CHIKHLI DIST. BULDANA (M.S.)



Department of Zoology
Certificate Course in Sericulture

PM-USHA: Component-3 Grants (To Strengthen College)

Course Duration: 15/11/2025 to 21/02/2026

Time-Table

Day	Teacher	Time	Theory/Practical
Monday	Dr. V. M. Hemke	9:00 am- 10:00 am	Theory
Tuesday	Dr. V. M. Hemke	9:00 am- 10:00 am	Practical
Wednesday	Dr. R. B. Gade	9:00 am- 10:00 am	Theory
Thursday	Dr. R. B. Gade	9:00 am- 10:00 am	Practical
Friday	Mr. S. D. Lodhe	9:00 am- 10:00 am	Theory
Saturday	Mr. S. D. Lodhe	9:00 am- 10:00 am	Practical

- Field & Sericulture Project Visit may be arranged on Sunday

Course Coordinator

Dr. V. M. Hemke

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Certificate Course in Sericulture

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Course Duration: 15/11/2025 to 21/02/2026

Total Marks 50

Syllabus: Theory

UNIT I: History of Sericulture (10 Marks)

Introduction to sericulture:
Cultivation of food plants.
Bio-ecology of mulberry silkworms.

Unit II: Rearing of silkworms (10 Marks)

Rearing of silkworms.
Equipment's or requirements for rearing.
Favorable Climatic conditions for rearing.

Unit III: Harvesting (10 Marks)

Harvesting and processing of cocoons.
Stifling and reeling of cocoons
Reeling's selling to Textile mills through Government sanctioned rates.
Government Subsidies and Schemes for Sericulture farming.
Reeling appliances

Unit IV: Diseases n Preventions (10 Marks)

Diseases of *Bombyx mori*
Preventive measures for disease free cocoon production.
4.2 Predators and parasitoids of silkworm and their management

UNIT V: 4. Non-Mulberry sericulture: (10 Marks)

Tasar sericulture:
Muga sericulture;
Eri sericulture:

.....
....

Certificate Course in Sericulture Syllabus of Practical

1. Life Cycle: Morphology of egg, larva, pupa and adult silkworm of B. mori
2. Sex separation in larva, pupa and adult silkworm
3. Anatomy of silkworm: Dissection of mot parts, digestive system, respiratory system, nervous system, silk gland, reproductive system of male and female moth.
4. Cocoon characteristics- uni, bi & mv races
5. Rearing houses, model rearing house, rearing appliances for chawki and late age stages
6. Disinfection – types of disinfectants – concentration, dosage requirements.
7. Incubation of silkworm eggs: method, black boxing, optimum environmental condition.
8. Calculation of fecundity and hatching percentage.
9. Chawki rearing characteristics and methods. feeding, bed cleaning, spacing, moulting.
10. Late age rearing characteristics and methods. feeding, bed cleaning, spacing, moulting. Spinning and mounting – types and methods of mounting.
11. Moulting – identification of moulted worms and care to be taken during moulting.

Practical Work:

(50 Marks)

Reference Books

1. **Afffa, S Kamili and Amin Masood, M(2000): Principles of temperate sericulture, Kalyani Publishers, Ludhiyana**
2. **Bongale, UD(2010): Mulberry Cultivation, Lectures on Sericultures.**
3. **Dandin, S.B. and Giridha, K (2010): Handbook of Sericulture Technologies, (4th revised edition), Central Silk Board. Bangalore**
4. **FAO Manuals: Mulberry Cultivation FAO Rom**
5. **Ganga G. (2013) Comprehensive Sericulture Vol 1: Morigulture (Oxford & IBM Publishers Co. Pvt. Ltd, New Delhi)**

The distribution of marks for practical examination will be as follows:

- | | |
|--|----------|
| <input type="checkbox"/> Project assignments | 10 Marks |
| <input type="checkbox"/> Field visit report. | 10 Marks |
| <input type="checkbox"/> Students give Seminars any topics related to syllabus | 10 Marks |
| <input type="checkbox"/> Submission of Practical Record Book | 10 Marks |
| <input type="checkbox"/> Viva-Voce | 10 Marks |

Total Marks 50

Project Work

25 Marks


Dr. V. A. Hemke
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CHIKHLI DIST. BULDANA (M.S.)



Department of Zoology
Certificate Course in Sericulture

PM-USHA: Component-3 Grants (To Strengthen College)

Student List

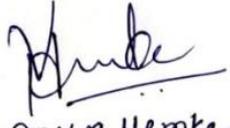
Certificate Course in Sericulture (2025-2026)
Course Duration: 3 Months (15/11/2025 to 21/02/2026)

Following students are selected for Certificate course in Sericulture

Sr. No.	Name of the Students	Class
1	Saurav Bhaurav Tajane	B.Sc. I
2	Rehan Irfan Ali Khan	B.Sc. I
3	Tamboli Atif Sk. Salim	B.Sc. I
4	Shaikh Arbaz Sk. Mohsin	B.Sc. I
5	Shubham Milind Mhaske	B.Sc. I
6	Shrutika R. Bhagat	B.Sc. I
7	Amruta Gopal Mahajan	B.Sc. I
8	Kanishk Anil Bansode	B.Sc. I
9	Aditya Limbaji Devkule	B.Sc. I
10	Shaikh Rehan Sk. Husain	B.Sc. I
11	Neha Sudip Dolai	B.Sc. I
12	Shweta Santosh Parsane	B.Sc. I
13	Suvarna Sonuba Padale	B.Sc. I
14	Tejas Diwakar Suradkar	B.Sc. I
15	Radhika Ganesh Patil	B.Sc. I
16	Vaishnavi Milind Kulkarni	B.Sc. I
17	Shailesh Subhash Ingle	B.Sc. I
18	Vivek D. Shingne	B.Sc. I
19	Rutuja S. Solanki	B.Sc. I
20	Shilpa Devaji Kolhe	B.Sc. I
21	Punam Ashok Solanki	B.Sc. I
22	Payal Dipak Zagare	B.Sc. I

23	Ashwini Vasanta Ingle	B.Sc. I
24	Diksha Naresh Waghmare	B.Sc. I
25	Hariom Gajanan Sapkal	B.Sc. I
26	Anjali Samadhan Solanki	B.Sc. I
27	Anjali Sanjay Ambhore	B.Sc. I
28	Gayatri Rustum Ambhore	B.Sc. I
29	Madhuri Sunil Kulkarni	B.Sc. I
30	Poonam Santosh Zagare	B.Sc. I
31	Shraddha Anil Zagare	B.Sc. I
32	Kahekasha Anjum Firoz Khan	B.Sc. I
33	Manoj Sanjay Mapari	B.Sc. I
34	Shaikh Zoya Parveen Siraj	B.Sc. I
35	Tanzila Parveen Aabid	B.Sc. I
36	Shumailagazal Sayyad Habib	B.Sc. I
37	Sayyad Shadaab Akbar	B.Sc. I
38	Pratik Sanjay Ghube	B.Sc. I
39	Majid Sabir Shaikh	B.Sc. I
40	Swarup Shivaji Deshmukh	B.Sc. I
41	Aniket Omprakash Jadhao	B.Sc. I
42	Yogita Dinesh Shinde	B.Sc. II
43	Om Subhash Rathod	B.Sc. II
44	Sujal Darasing Chavhan	B.Sc. II
45	Aqsa Parveen Ata Moh. Khan	B.Sc. II
46	Chaitanya S. Kapase	B.Sc. II
47	Om Sanjay Gadekar	B.Sc. II
48	Pranav A. Bansode	B.Sc. II
49	Roshani Vishnu Jadhao	B.Sc. II
50	Rutuja Dipak Wagh	B.Sc. II

Course Coordinator


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Department of Zoology
Certificate Course in Sericulture

PM-USHA: Component-3 Grants (To Strengthen College)

REGISTRATION FORM

Certificate Course in Sericulture (2025-2026)
(Sponsored by PM-USHA)

Course Duration: 15/11/2025 to 21/02/2026

Registration No: 31 (For Office Use)

1. PERSONAL INFORMATION

Name of the Students: Shraddha Anil Zagare

Class: B.Sc - I Gender: Female

Date of Birth: 17/01/2008

Contact & Whats App No.: 9511966012

Address: At. post Eklara Tq. Chikhli

Course Coordinator & Head of Deptt

SAzagare
Sign of Student

4. UNDERTAKING & DECLARATION

I, Shraddha Anil Zagare, hereby declare that the information provided above is true to the best of my knowledge. I agree to abide by the rules and regulations of the Department of Zoology and maintain the required attendance (min. 75%) to qualify for the certificate. I am aware that this course is sponsored by PM-USHA and I will participate in all practical sessions and field visits diligently.

Date: 14/11/2025

Place: Chikhli

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Signature of Applicant: Saagane

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- Admission Status: Confirmed / Pending
- Date of Admission: 14/11/2025
- Documents Submitted: Photo Mark sheet Aadhar Copy



Dr. V. M. Hemke
Course Coordinator

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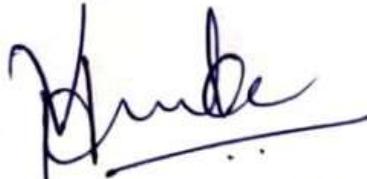
PM-USHA: Component-3 Grants (To Strengthen College)

15/11/2025 to 21/02/2026

Student Attendance Sheet

Sr. No	Name of Student	15 Nov	17 Nov	18 Nov	19 Nov	20 Nov	21 Nov	22 Nov
1	Saurav Bhaurav Tajane	<u>Saurav</u>						
2	Rehan Irfan Ali Khan	<u>Rehan</u>						
3	Tamboli Atif Sk. Salim	<u>Atif</u>						
4	Shaikh Arbaz Sk. Mohsin	<u>S.S. Arbaz</u>						
5	Shubham Milind Mhaske	<u>S.M. Mhaske</u>						
6	Shrutika R. Bhagat	<u>S.R. Bhagat</u>						
7	Amruta Gopal Mahajan	<u>A.G. Mahajan</u>						
8	Kanishk Anil Bansode	<u>K. Bansode</u>						
9	Aditya Limbaji Devkule	<u>A.L. Devkule</u>						
10	Shaikh Rehan Sk. Husain	<u>S.R. Husain</u>						
11	Neha Sudip Dolai	<u>Neha</u>						
12	Shweta Santosh Parsane	<u>Shweta</u>						
13	Suvarna Sonuba Padale	<u>Suvarna</u>						
14	Tejas Diwakar Suradkar	<u>T. Suradkar</u>						
15	Radhika Ganesh Patil	<u>R</u>						
16	Vaishnavi Milind Kulkarni	<u>M</u>						
17	Shailesh Subhash Ingle	<u>Shailesh</u>						
18	Vivek D. Shingne	<u>V.D. Shingne</u>						
19	Rutuja S. Solanki	<u>R</u>						
20	Shilpa Devaji Kolhe	<u>Shilpa</u>						
21	Punam Ashok Solanki	<u>Punam</u>						
22	Payal Dipak Zagare	<u>Payal</u>						
23	Ashwini Vasanta Ingle	<u>Ashwini</u>						

24	Diksha Naresh Waghmare	DN.Suare						
25	Hariom Gajanan Sapkal	H.Sapkal						
26	Anjali Samadhan Solanki	ASS						
27	Anjali Sanjay Ambhore	A.S.A						
28	Gayatri Rustum Ambhore	G.Ambhore						
29	Madhuri Sunil Kulkarni	Kulkarni	Kulkarni	Kulkarni	Kulkarni	Kulkarni	Kulkarni	Kulkarni
30	Poonam Santosh Zagare	P.Zagare						
31	Shraddha Anil Zagare	Shraddha						
32	Kaheksha Anjum Firoz Khan	Kaheksha						
33	Manoj Sanjay Mapari	Mapari	Mapari	Mapari	Mapari	Mapari	Mapari	Mapari
34	Shaikh Zoya Parveen Siraj	Shaikh						
35	Tanzila Parveen Aabid	Aabid	Aabid	Aabid	Aabid	Aabid	Aabid	Aabid
36	Shumailagazal Sayyad Habib	Shumaila						
37	Sayyad Shadaab Akbar	Shadaab						
38	Pratik Sanjay Ghube	P.Ghube						
39	Majid Sabir Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh	Shaikh
40	Swarup Shivaji Deshmukh	Deshmukh	Deshmukh	Deshmukh	Deshmukh	Deshmukh	Deshmukh	Deshmukh
41	Aniket Omprakash Jadhao	A.Jadhao						
42	Yogita Dinesh Shinde	Y.Shinde						
43	Om Subhash Rathod	Rathod	Rathod	Rathod	Rathod	Rathod	Rathod	Rathod
44	Sujal Darasing Chavhan	Chavhan	Chavhan	Chavhan	Chavhan	Chavhan	Chavhan	Chavhan
45	Aqsa Parveen Ata Moh. Khan	Akhan						
46	Chaitanya S. Kapase	Kapase	Kapase	Kapase	Kapase	Kapase	Kapase	Kapase
47	Om Sanjay Gadekar	Om						
48	Pranav A. Bansode	P.Bansode						
49	Roshani Vishnu Jadhao	R.V.Jadhao						
50	Rutuja Dipak Wagh	rdw						


Dr. V. A. Hemke
HEAD


PRINCIPAL
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 College Chikhli, Dist. Buldhana

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Department of Zoology
Certificate Course in Sericulture
PM-USHA: Component-3 Grants (To Strengthen College)

Notice

Date:18/02/2026

All the students who have enrolled their name for Certificate Course in Sericulture are hereby informed to attend the examination to be held on 21/02/2026 during 09 am- 10 pm.

Course Coordinator


Dr. V. A. Hemke
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Department of Zoology

Certificate Course in Sericulture

PM-USHA: Component-3 Grants (To Strengthen College)

48
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Saks

Date : ..21/02/2026

Time: 9am to 10 am

Name of student: ..Anjali.. Samadhan.. Solanki.....

Question Paper

1. What is the scientific name of the mulberry silkworm?

- a) *Antheraea mylitta* *Bombyx mori*
c) *Philosamia ricini* d) *Antheraea assamensis*

2. Which of the following is the primary food source for *Bombyx mori*?

- a) Castor leaves b) Oak leaves
 c) Mulberry leaves d) Som leaves

3. The cultivation of mulberry plants for silkworm rearing is called:

- a) Sericulture b) Horticulture
 c) Morigulture d) Apiculture

4. How many times does the silkworm larva shed its skin (moulting) before forming a cocoon?

- a) Two b) Three c) Four d) Five

5. Which state in India is the largest producer of mulberry silk?

- a) Assam b) Karnataka c) Jammu & Kashmir d) West Bengal

6. What is the substance secreted by the silkworm to form the cocoon?

- a) Cellulose b) Protein c) Starch d) Chitin

7. Mulberry silkworm is considered to be:

- a) Polyphagous b) Monophagous c) Oligophagous d) None of the above

8. The process of killing the pupa inside the cocoon is called:

- a) Reeling b) Stifling c) Mounting d) Harvesting

9. Which of the following is a major disease of mulberry silkworm caused by a bacterium?

- a) Pebrine b) Muscardine c) Grasserie d) Flacherie

10. What is the approximate percentage of raw silk produced in India that is mulberry silk?

- a) 50% b) 60% c) 70-80% d) 90%

11. The silkworm larva feeds on mulberry leaves for about _____ days.

- a) 10-15 b) 20-25 c) 25-35 d) 40-45

12. What is sericulture?

- a) Rearing of fishes
c) Rearing of birds
 b) Rearing of silkworm
d) Rearing of cockroach

13. Which of the following varieties of silk not produced in India?

- a) Muga Silk
b) Mulberry Silk
c) Tassar Silk
 d) American Silk

14. Cocoon is formed by how many pairs of glands?

- a) Two
b) Three
c) Four
d) One

15. Pick the correct statement

- a) larval form of moth produces silk
b) salivary glands of the moth produce silk
c) by boiling, silk is extracted from cocoon of a moth
 d) both a and b

16. Insects not found in wild state is

- a) cochineal insect
b) lac insect
 c) silk moth
d) honey bee

17. Pick the set of beneficial insects to man

- a) sandfly, honey bee, butterfly
b) honey bee, cockroach, silkworm
c) silkworm, wasp, honey bee
 d) honey bee, cochineal insect, lac insect

18. Honey, silk and lac are

- a) artificial elements
b) secretory substance of plants
 c) secretory substance of insects
d) all of these

19. Which of the following gland secrete silk

- a) Labial gland
b) Sex gland
c) A and b both
d) None of these

20. Most common species of mulberry plants

- a) Morus
b) Orchidaceae
c) A and B both
d) None of these

21. What is the optimum room temperature of rearing house

- a) 20°C-22°C
 b) 27°C-28°C
c) 28°C-29°C
d) 29°C-30°C

22. Which one of the following is not the rearing appliances:

- a) power spary
b) rearing tray
c) nylon net
 d) caste net

23. In the late age rearing racks are made up of

- a) iron, copper, wood
 b) iron, wood, bamboo
c) iron wood and aluminium
d) none of these

24. Which of the following is not considered as a silk city of India?

- a) Jaipur
b) Kanchipuram
c) Bhagalpur
d) Pochampally

25. Silk worm is

- a) Caterpillar
b) larva
c) Cocoon
 d) Both a and b


HEAD

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Chikhli Dist. Buldana 443201



Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI SCIENCE & ARTS COLLEGE CHIKHLI



DIST – BULDANA 443201

Department of Zoology

Awarded to

This is to certify that Ms/Mr Shilpa Devaji Kolhe of BSc-I has successfully completed Certificate Course in Sericulture conducted during 15/11/2025 to 21/02/2026.

Congratulations!



Dr. Vijayshree M. Hemke
Course Coordinator

Dr. Prmod R. Padole
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Photographic Evidences of Certificate Course in Sericulture




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Dr. V. A. Hemke
 Dr. V. A. Hemke
 HEAD

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Principal
 PRINCIPAL

Shri Shivaji Science & Arts
 College Chikhli, Dist. Buldhana

Student Feedback Form-Certificate Course in Sericulture PM-USHA 2025-26

* Indicates required question

1. Email *

2. Name of student *

3. Class *

4. What course are you pursuing now? *

5. Practical conducted on Field & in Laboratory *

Mark only one oval.

Strongly agree

Agree

Uncertain

Disagree

Strongly disagree

6. Field Visit (as per syllabus) was organized? *

Mark only one oval.

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

7. Certificate courses conducted effectively. *

Mark only one oval.

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

8. The curriculum is designed so as to enhance our employ-ability and entrepreneurship *

Mark only one oval.

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

9. Aims and objectives of the curriculum was well defined. *

Mark only one oval.

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

10. The course/syllabus has good balance between theory and application *

Mark only one oval.

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly Disagree

11. The teachers illustrate the concepts satisfactorily *

Mark only one oval.

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

12. Teachers every time inform you about your expected competencies, course outcome and program outcome *

Mark only one oval.

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly Disagree

13. The teachers are well prepared for the class *

Mark only one oval.

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly Disagree

14. The prescribed books and study materials are available in the library *

Mark only one oval.

- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly Disagree

15. Overall rating about certificate course in Sericulture 1 to 5 (1 dissatisfied to 5 * excellent)

1	2	3	4	5
☆	☆	☆	☆	☆


Dr. V. A. Hemke
HEAD
Department of Zoology,
Shri Shivaji Sci. & Arts College
Chikhli Dist. Buldana 443201

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Student Feedback Form-Certificate Course in Sericulture PM-USHA 2025-26

54 responses

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Name of student

54 responses

Diksha Dagduba Salve

Shubham Milind Mhaske

Shilpa Devaji Kolhe

Shweta Santosh Parsane

Sujal Darasing Chavan

Pratik S.Ghube

Shrutika R. Bhagat

Shaikh Rehan Sk. Husain

Rutuja S. Solanki

Tejas Diwakar Suradkar

Majid Sabir Shaikh

Punam A. Solanki

Pranav A.Bansode

Sayyad Shadaab Akbar

Gayatri Rustum Ambhore

Hariom Gajanan Sapkal

Shaikh Zoya Parveen Siraj

Tamboli Atif Sk. Salim

Om Sanjay Gadekar

Rehan Irfan Ali Khan

Vaishnavi Milind Kulkarni



Chaitanya S.Kapase

Vivek D. Shingne

Payal D. Zagare

Aditya Limbaji Devkule

Neha Sudip Dolai

Ashwini vasanta Ingle

Shumailagazal Sayyad Habib

Diksha Naresh Waghmare

Shailesh Subhash Ingle

Shaikh Arbaz Sk. Mohsin

Suvarna Sonuba Padale

Yogita Dinesh Shinde

Om Subhash Rathod

Amruta Gopal Mahajan

Swarup S.Deshmukh

Tanzila Parveen Aabid

Anjali S. Ambhore

Roshani Vishnu Jadhao

Saurav Bhaurav Tajane

Rutuja Dipak Wagh

Aniket Omparkash Jadhao

Shraddha A.Zagare

Manoj S.Mapari



Aqsa Parveen Ata Moh.Khan

Poonam S. Zagare

Radhika Ganesh patil

Kanishk Anil Bansode

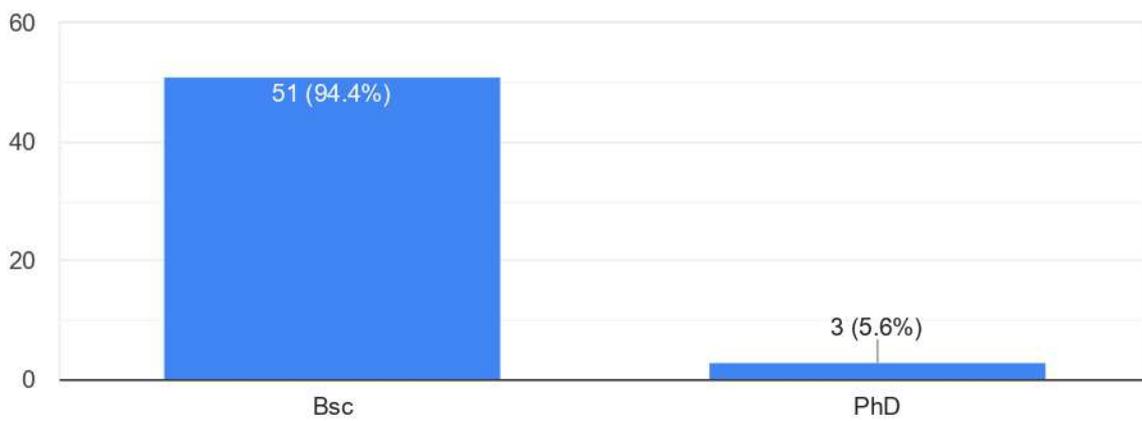
Madhuri S. Kulkarni

Kahekasha Anjum Firoz Khan

Class

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54 responses



What course are you pursuing now?

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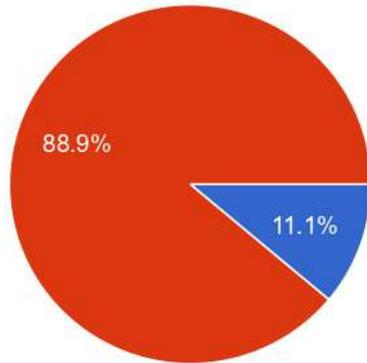
54 responses



Practical conducted on Field & in Laboratory

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54 responses

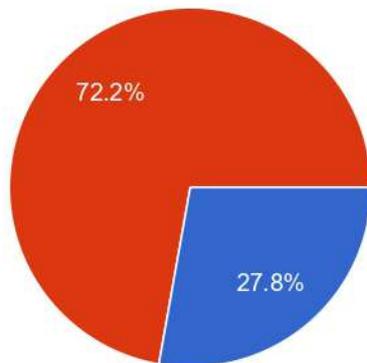


- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

Field Visit (as per syllabus) was organized?

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54 responses

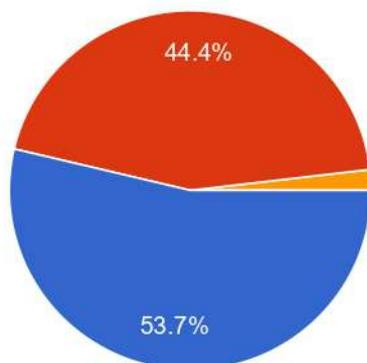


- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree

Certificate courses conducted effectively.

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54 responses



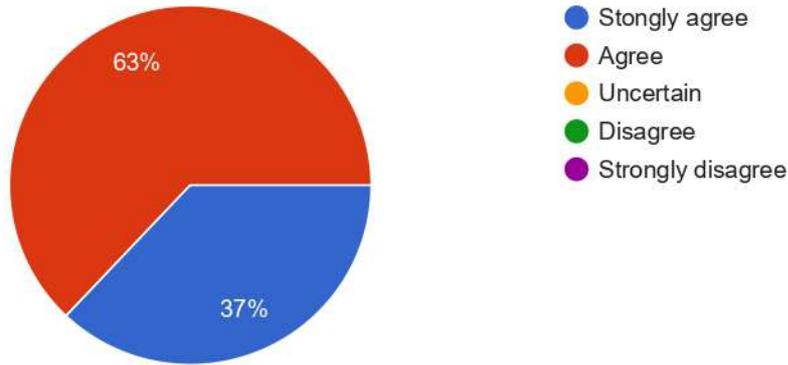
- Strongly agree
- Agree
- Uncertain
- Disagree
- Strongly disagree



The curriculum is designed so as to enhance our employ-ability and entrepreneurship

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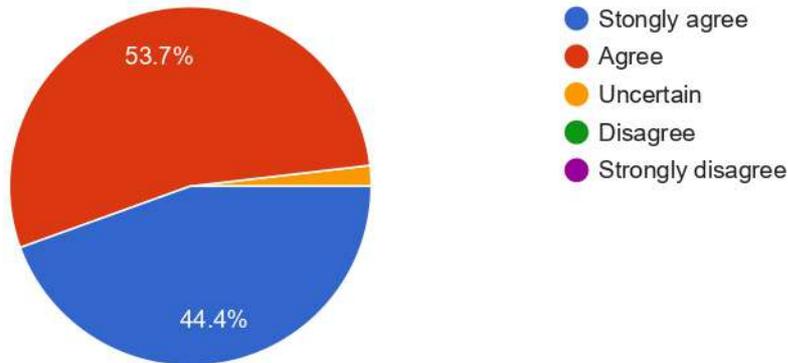
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Aims and objectives of the curriculum was well defined.

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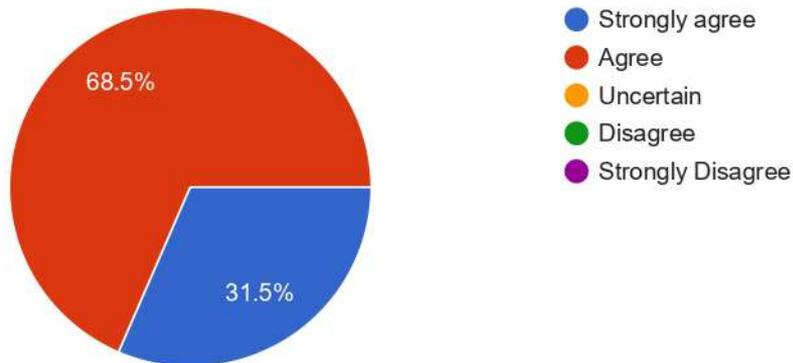
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The course/syllabus has good balance between theory and application

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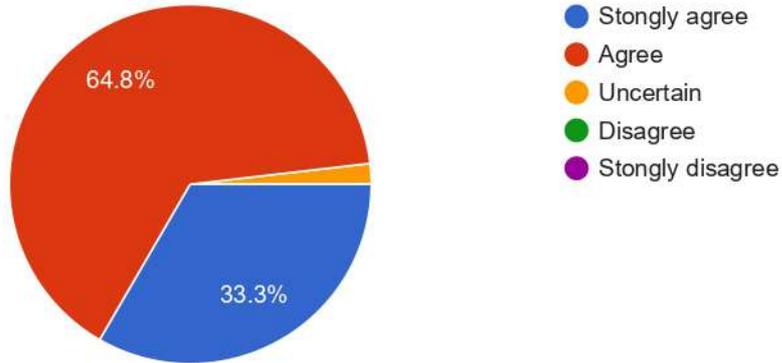
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The teachers illustrate the concepts satisfactorily

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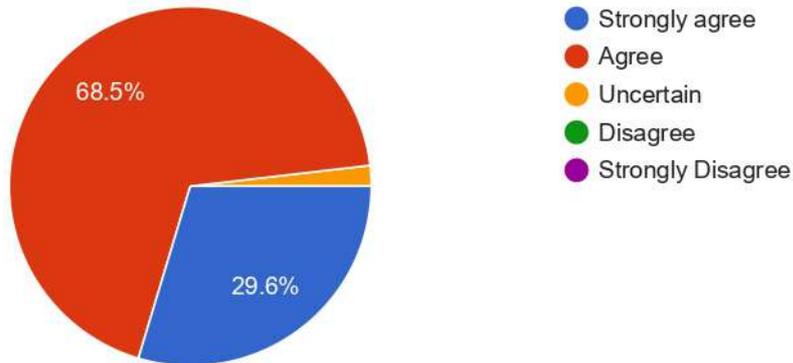
54 responses



Teachers every time inform you about your expected competencies, course outcome and program outcome

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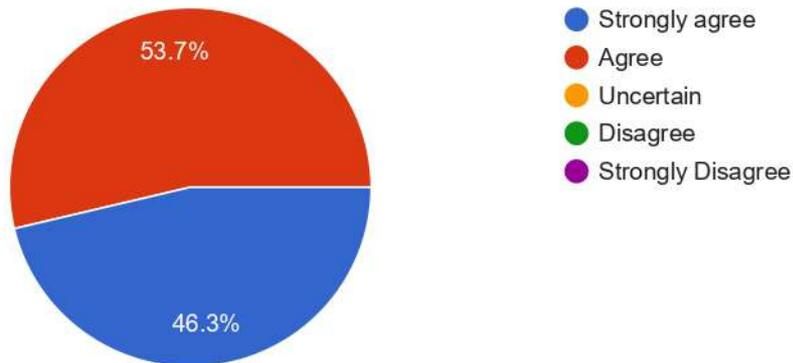
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The teachers are well prepared for the class

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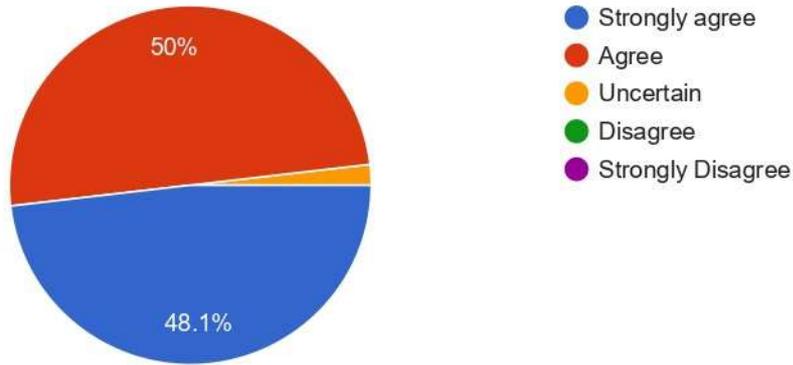
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The prescribed books and study materials are available in the library

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54 responses

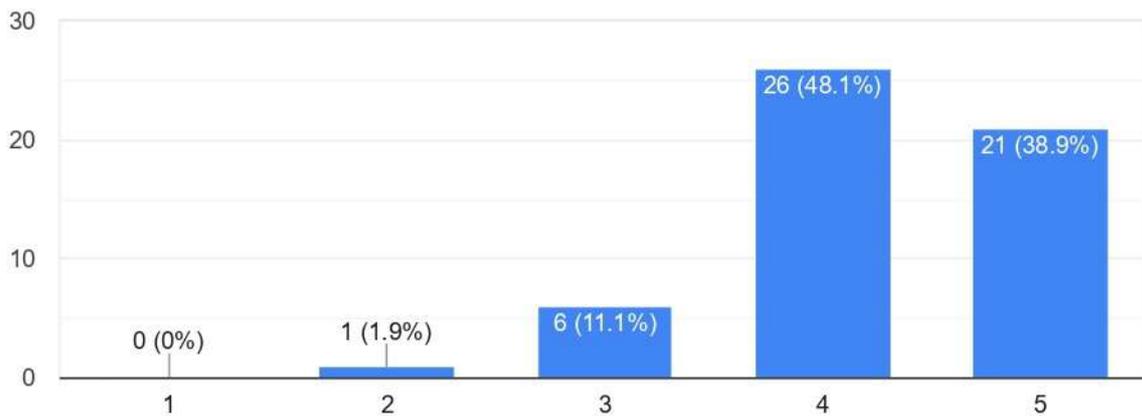


Overall rating about certificate course in Sericulture 1 to 5 (1 dissatisfied to 5 excellent)

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Average rating (4.24)



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Dr. V. A. Herake
HEAD

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 Shri Shivaji Science & Arts
 College Chikhli, Dist. Buldhana



Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI SCIENCE & ARTS COLLEGE
CHIKHLI DIST. BULDANA (M.S.)



Department of Zoology
Certificate Course in Sericulture
PM-USHA: Component-3 Grants (To Strengthen College)

Action Taken Report

15/11/2025 to 21/02/2026

Institution: Shri Shivaji Science And Arts College, Chikhli

Department: Department of Zoology

Course Title: Certificate Course in Sericulture

Sponsorship: PM-USHA 3.00

Completion Date: 21 February 2026

Introduction

In alignment with the goal of fostering entrepreneurship, the Department of Zoology started three-month certificate course. The primary objective was to provide students with hands-on experience in production of Mulberry Cocoon, its marketing in Sericulture. To make students aware to understand overall aspects of Sericulture and motivate them to start Sericulture in their Farm.

Detailed Action Table

Sr. No.	Initiative/ Decision	Action Taken	Date of Completion
01	Course Conceptualization &	Developed the 03-months curriculum focusing on mulberry silk cocoon production its	02 November 2025

	Approval	marketing and secured sponsorship under the PM-USHA Scheme	
02	Official Notification	Issued a formal notice to students regarding admission, course detail and economic benefits to ensure maximum participation.	10 November 2025
03	Student Enrolment and Selection	Conducted the registration process. Priority was given to Zoology students. Verified forms and finalized the list of candidates on a first come, first served basis.	13 November 2025
04	Course Commencement	Formal inauguration and start of theoretical and practical sessions as per the scheduled timeline	15 November 2025
05	Practical Training & Skill Building	Organized hand on workshop on management of Mulberry Garden & Cocoons Production. Students were trained in Advance Sericulture Techniques.	19 January 2026
06	Final Assessment & Evaluation	Conducted final examination/practical assessments to evaluate student proficiency in beekeeping and wax processing.	21 February 2026
07	Course Conclusion & Certification	Successfully completed the 3-month duration. Prepared certificates for students who met the attendance and performance criteria	23 January 2026

Key Outcomes

Skill Development: Student gained specialized knowledge in the lifecycle of silkworm cocoon production, its maintenance and its commercial aspects.

Entrepreneurship Readiness: The course successfully identified and encouraged students interested in start-ups within the agriculture and skill-based sectors.

Resource Utilization: Efficiently utilized the PM-USHA sponsorship to provide quality educational resources and practical kits to the participants.

Final Status: The Certificate Course in Sericulture stands Successfully Completed as on 21 February 2026. All administrative and Academic requirements have been met.

Course Coordinator



Dr. V. A. Hemke
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Chikhli Dist. Buldana 443201



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Faculty Profile

Dr. Vijayshree Milind Hemke

MSc, MPhil, PhD, Post-doc (NCCS, Pune)

**Associate Professor & Head, Deptt. of Zoology
Shri Shivaji Science And Arts College, Chikhli**

Subject:	Zoology
Area of interest	Biology of Wasps, Pollination Biology, Immunology
Email Address	drvmhemke@gmail.com
Contact No.	9421732680
Research Supervisor in Zoology	SGBAU Part-II- ExtraOrdinaryNotificationNo.33-2019 Dated 10/04/2019
Vidwan ID	VidwanID: 602337
ORCID	0000-0003-2019-2604
ResearchGate	https://www.researchgate.net/profile/Vijayshree-Hemke
Google Scholar	https://scholar.google.com/citations?user=kzcA08YAAAAJ&hl=en

Ph. D Guidance	05 Research Scholar		
Patents	Granted Total 02	01-UK Govt. Grant Date- 18/04/2024	01-Indian Govt. Grant Date- 22/05/2024
Minor Research Project	UGC-WRO, Pune 4.5 Lakhs- Successfully Completed 01-Proposal submitted to SGBAU, Amravati		
Author of Books	A Textbook of Tools & Techniques in Biology Tools & Techniques in Biology-A Practical Manual		
Editor of Books	Biochemical Methods-A Comprehensive Guide DNA-The Celebrity Molecule		

	Sustainable Fisheries and Aquatic Life		
Editorial Board Member	VYD Publications, Satara		
Reviewer of Journals	22-International Journal of International Repute		
Total Research Papers published	39		
Full length paper in conferences	Total-10	National- 06	International -04
Paper Presented in Conferences	Total-29	National-16	International-13
Chapters in book	08		
Research Award	Eminent Researcher Award by Mindaura LLC, USA		
Resource person in National Conferences	Chairperson for Keynote address- National Conference, D.P. Bhosale College, Koregaon. Satara Resource Person – National Conference L.K. Dr. PR Gogre Sci Clg, Dhule & Resource Person-Annasaheb Magar College, Hadapsar, Pune Referee for Poster Presentation at International Conference, Shivaji Science College. Nagpur Resource Person at 8th शालेय पक्षिमित्र संमेलन, Akola Rapporteur for Paper Presentation at International Conference at Shahu College, Chandur Railway		
Invited Talk & Guest Lectures	21		
Newspaper Articles on Environment Conservation	Many-in reputed newspapers		
e-Content Development	Youtube Videos 10		

Thank You