



Shri Shivaji Education Society's
Board for Higher Education Vidyanagar Karad.



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF ZOOLOGY

SHORT TERM / CERTIFICATE COURSE

Certificate Course in Solid Waste Management (Vermicomposting)

YEAR 2023 -24

Index

Total Students: 20

Class: B.Sc. III

Duration: 03 Months

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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Zoology

Notice

Date: 28/11/23

All the Students of the B. Sc. III are hereby informed that the Department of Zoology Organizing a **Certificate Course** entitled as “**Certificate course in Solid waste management (Vermicomposting)**” Interested Candidates enrol their names to Dr. Shaikh T. A. (course Co-ordinator) on or before 1st December 2023.

T. A. Shaikh

HOD

Department of Zoology
Yashwantrao Chavan College of Science, Karad



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Zoology

“Certificate course in Solid waste management (Vermicomposting)”

(Course Code: CCF40)

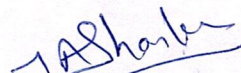
Year 2023-24

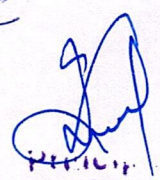
Enrolled Students

Sr. No.	Roll No.	Name of Student	Signature
1.	3256	Lade Yashpal Sunil	Lade Y
2.	3257	Nikam Nehali Nandkumar	N. Nikam
3.	3259	Patil Shivani Balu	Patil
4.	3260	Shinde Samiksha Prakash	shinde
5.	3261	Patil Sandhyarani Subhashrao	Patil
6.	3301	Inamdar Shadab Jamal	S. Inamdar
7.	3302	Ingale Dhiraj Jalindar	Ingale
8.	3303	Jadhav Kanchan Mansing	K. Jadhav
9.	3304	Jadhav Pallavi Hiralal	P. Jadhav
10.	3305	Jadhav Pramod Shankar	P. Jadhav
11.	3306	Jadhav Sumit Ankush	S.A. Jadhav
12.	3307	Jadhav Tejashri Madan	T.M. Jadhav
13.	3308	Jujar Gouri Pundlik	J.G. Pundalik
14.	3309	Kadam Amar Dipak	A. Dipak
15.	3310	Kadam Prachi Suresh	P. Suresh
16.	3311	Kadam Prashant Dattatray	P. Kadam
17.	3312	Kadam Pratham Mangesh	P. Kadam
18.	3313	Kadam Sanjiwani Jalindar	S. Jalindar
19.	3314	Kadam Saurabh Ashok	S. Kadam
20.	3315	Kadam Shubham Bhimrao	B. Kadam


Course Co-ordinator




HOD


Yashwantrao Chavan College
of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Zoology

“Certificate course in Solid waste management (Vermicomposting)”

Year 2023-24

Theory Time Table

December 2023 to February 2024

Lect. Time	Wednesday	Thursday
9.30 – 10.20	TAS	TAS

Abbreviation:

TAS: Dr. T. A. Shaikh

TAShaikh
Head

Department of Zoology
Yashwantrao Chavan College of Science, Karad



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Zoology

Organized course on

“Certificate course in Solid waste management (Vermicomposting)”

Year 2023-24

- | | |
|---------------------------|------------------------|
| 1. Class | : B.Sc. III |
| 2. Course Type | Certificate Course |
| 3. Duration of the course | : 3 months |
| 4. Capacity | : 20 |
| 5. No. Students Enrolled | : 20 |
| 6. Theory Examination | : First week of March |
| 7. Practical Examination | : Second Week of March |

ASHAILEK

Course Co-ordinator

ASHAILEK

HOD

Department of Zoology

Yashwantrao Chavan College of Science, Karad



Q.1) Multiple Choice Questions, tick mark (✓) on the correct objective (Marks 30)

1. What is a common issue in vermicomposting related to pH?

- A) Low moisture content
- B) High moisture content
- C) pH imbalance
- D) Presence of pests

2. How is vermicompost typically utilized?

- A) Spread directly on the soil surface
- B) Mixed with water and sprayed on plants
- C) Incorporated into potting mixes
- D) All of the above

3. Which process involves the breakdown of dry waste into reusable or recyclable materials?

- A) Incineration
- B) Landfill
- C) Composting
- D) Vermicomposting

4. What is the systematic position of the earthworm Pheretima posthuma?

- A) Class: Reptilia
- B) Phylum: Annelida
- C) Class: Insecta
- D) Phylum: Arthropoda

5. Which system in Pheretima posthuma is responsible for excretion?

- A) Respiratory system

- B) Digestive system
- C) Excretory system
- D) Circulatory system

6. What is the primary function of nephridia in earthworms?

- A) Reproduction
- B) Excretion
- C) Digestion
- D) Respiration

7. Dry waste is primarily composed of:

- A) Biodegradable materials
- B) Organic matter
- C) Recyclable items
- D) Inorganic substances

8. Which of the following is NOT a component of wet waste?

- A) Food scraps
- B) Paper
- C) Yard trimmings
- D) Kitchen grease

9. Vermicomposting primarily utilizes which organism for decomposition?

- A) Bacteria
- B) Fungi
- C) Earthworms
- D) Insects

10. What is the primary purpose of cocoon formation in earthworms?

- A) Protection from predators
- B) Reproduction
- C) Regulating body temperature
- D) Secreting digestive enzymes

11. Which of the following materials is NOT typically used in vermicomposting?

- A) Green material
- B) Brown material
- C) Plastic
- D) Aged compost

The Carbon to Nitrogen ratio (C:N) in vermicomposting refers to:

- A) The ratio of oxygen to carbon dioxide produced
- B) The ratio of carbon atoms to nitrogen atoms in the compost



- C) The ratio of carbon dioxide to nitrogen gas released
 D) The ratio of carbon to nitrogen content in the materials being composted

13. What is a common issue in vermicomposting related to pH?

- A) Low moisture content
 B) High moisture content
 C) pH imbalance
 D) Presence of pests

14. Which of the following is an advantage of vermicompost over chemical fertilizers?

- A) Faster nutrient release
 B) Higher cost-effectiveness
 C) Reduced environmental impact
 D) Consistent nutrient content

15. How is vermicompost typically utilized?

- A) Spread directly on the soil surface
 B) Mixed with water and sprayed on plants
 C) Incorporated into potting mixes
 D) All of the above

16. What is the primary advantage of using vermivash?

- A) It repels pests
 B) It improves soil structure
 C) It enhances plant growth
 D) It reduces odor issues

17. Which of the following is NOT a potential problem in vermicomposting?

- A) PH imbalance
 B) Inadequate moisture
 C) Overpopulation of earthworms
 D) Presence of pests and predators

18. What is the main purpose of constructing a shed for vermicomposting?

- A) Protecting the compost from rain
 B) Providing shade for earthworms
 C) Controlling temperature
 D) All of the above

19. Which of the following is a component of a vermicomposting system?

- A) Sand
 B) Grass
 C) Organic matter
 D) Plastic sheeting

20. How can pests and predators be managed in vermicomposting?

- A) Using chemical pesticides
 B) Introducing natural predators of pests
 C) Maintaining proper moisture levels
 D) All of the above

21. What is the characteristic of good vermicompost?

- A) High odor
 B) Dense texture
 C) Earthy smell
 D) Presence of large debris

22. Which of the following is NOT a method of utilizing vermicompost?

- A) Top dressing on soil
 B) Mixing with chemical fertilizers
 C) Making tea for foliar spray
 D) Using as a potting mix ingredient

23. What is the primary advantage of using vermivash?

- A) It repels pests
 B) It improves soil structure
 C) It enhances plant growth
 D) It reduces odor issues

24. Which of the following is a common issue in vermicomposting related to pH?

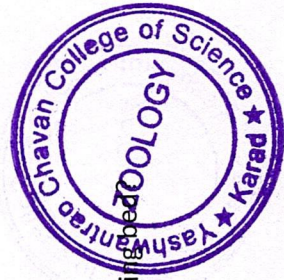
- A) Low moisture content
 B) High moisture content
 C) pH imbalance
 D) Presence of pests

25. Which of the following materials is NOT typically used in vermicomposting?

- A) Green material
 B) Brown material
 C) Plastic
 D) Aged compost

26. What is the primary function of cocoon formation in earthworms?

- A) Protection from predators



- B) Reproduction
- C) Regulating body temperature
- D) Secreting digestive enzymes

27. Which of the following is an advantage of vermicompost over What is the primary function of nephridia in earthworms?

- A) Reproduction
 - B) Excretion
 - C) Digestion
 - D) Respiration
28. How is vermicompost typically utilized?
- A) Spread directly on the soil surface
 - B) Mixed with water and sprayed on plants
 - C) Incorporated into potting mixes
 - D) All of the above

29. What is the primary advantage of using vermivash?

- A) It repels pests
- B) It improves soil structure
- C) It enhances plant growth
- D) It reduces odor issues

30. Which of the following is NOT a potential problem in vermicomposting?

- A) PH imbalance
- B) Inadequate moisture
- C) Overpopulation of earthworms
- D) Presence of pests and predators



Yashwantrao Chavan College of Science, Karad.

Department of Zoology

Certificate Course

“Certificate course in Solid waste management (Vermicomposting)”

Year 2023-24

Practical Exam

Duration: 2 hrs.

Marks: 40

Instructions:

1. All questions are compulsory.
2. Carefully read and understand each question.
3. Provide detailed and accurate responses using relevant terminology.

Que. 1. Describe step by step process for setting up vermicomposting system. [15 marks]

Que. 2. Describe different species of earthworms, and add a note on role of “Pheritima posthuma” in decomposition of organic matter. [15 marks]

Que. 4. Viva-voce [10 marks]

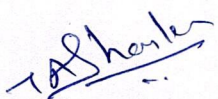


Yashwantrao Chavan College of Science, Karad
Department of Zoology
Certificate course in Solid waste management (Vermicomposting)

Year 2023-24

Mark list

Roll No.	Name	Mid-term exam	Final exam	Practical	Total
3256	Lade Yashpal Sunil	21	24	40	85
3257	Nikam Nehali Nandkumar	25	27	38	90
3259	Patil Shivani Balu	19	28	40	87
3260	Shinde Samiksha Prakash	19	27	40	86
3261	Patil Sandhyarani Subhashrao	21	25	40	86
3301	Inamdar Shadab Jamal	21	26	40	87
3302	Ingale Dhiraj Jalindar	21	20	40	81
3303	Jadhav Kanchan Mansing	21	27	39	87
3304	Jadhav Pallavi Hiralal	21	24	40	85
3305	Jadhav Pramod Shankar	17	24	40	81
3306	Jadhav Sumit Ankush	25	25	39	89
3307	Jadhav Tejashri Madan	25	20	40	85
3308	Jujar Gouri Pundlik	19	25	40	84
3309	Kadam Amar Dipak	22	25	38	85
3310	Kadam Prachi Suresh	21	20	40	81
3311	Kadam Prashant Dattatray	21	24	40	85
3312	Kadam Pratham Mangesh	21	28	40	89
3313	Kadam Sanjiwani Jalindar	21	26	40	87
3314	Kadam Saurabh Ashok	21	19	40	80
3315	Kadam Shubham Bhimrao	22	20	40	82


Course Co-ordinator


HOD
Department of Zoology
Yashwantrao Chavan College of Science, Karad




Principal
Yashwantrao Chavan College
of Science, Karad

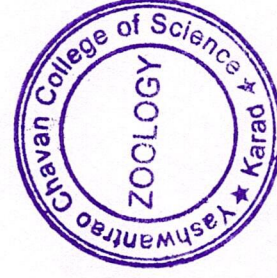
Yashwantrao Chavan College of Science, Karad
Department of Zoology
Certificate course in Solid waste management (Vermicomposting)

Year 2023-24

CO & PO Attainment

Course code	Course Title	% of students above 60 % of Final exam marks	Level of attainment Final exam	80% of attainment Level in Final exam (I)	% of students above 80 % of mid-course exam marks	Level of attainment	20% of attainment Level in mid-course exam (II)	Attainment of course (I+II)
ST-SWM	Certificate course in Solid waste management (Vermicomposting)	100.00	3	2.4	95.00	3	0.6	3
	Practical	100.00	3	2.4				2.4
2.70								

Average Attainment	Target Attainment level	Remark
2.70	Level 5	Target achieved



Principal
Yashwantrao Chavan College of Science, Karad

Head

Department of Zoology
Yashwantrao Chavan College of Science, Karad

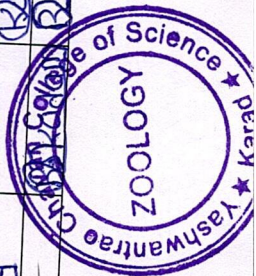
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD
Department of Zoology

“Certificate course in Solid waste management (Vermicomposting)” (Course Code: CCF40)

Year 2023-24

Attendance - March 2024

Roll. No.	Name of Student	3/11/24	4/11/24	10/11/24	11/11/24	17/11/24	18/11/24	24/11/24	25/11/24
3256	Lade Yashpal Sunil	—	Lade Y	Lade Y	Lade Y	Lade Y	Lade Y	Lade Y	Lade Y
3257	Nikam Nehali Nandkumar	N.Nikam	—	N.Nikam	N.Nikam	N.Nikam	N.Nikam	N.Nikam	N.Nikam
3259	Patil Shivani Balu	Patil, shinde	Patil,	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde
3260	Shinde Samiksha Prakash	Patil, shinde	—	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde
3261	Patil Sandhyarani Subhashrao	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde
3301	Inamdar Shadab Jamal	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
3302	Ingale Dhiraj Jalindar	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
3303	Jadhav Kanchan Mansing	Ingale	Ingale	Ingale	Ingale	Ingale	Ingale	Ingale	Ingale
3304	Jadhav Pallavi Hiralal	K. Jadhav	K. Jadhav	K. Jadhav	K. Jadhav	K. Jadhav	K. Jadhav	K. Jadhav	K. Jadhav
3305	Jadhav Pramod Shankar	P. Jadhav	P. Jadhav	P. Jadhav	P. Jadhav	P. Jadhav	P. Jadhav	P. Jadhav	P. Jadhav
3306	Jadhav Sumit Ankush	—	—	—	—	—	—	—	—
3307	Jadhav Tejashri Madan	S.A. Jadhav	S.A. Jadhav	S.A. Jadhav	S.A. Jadhav	S.A. Jadhav	S.A. Jadhav	S.A. Jadhav	S.A. Jadhav
3308	Jujar Gouri Pundlik	T.M. Jadhav	T.M. Jadhav	T.M. Jadhav	T.M. Jadhav	T.M. Jadhav	T.M. Jadhav	T.M. Jadhav	T.M. Jadhav
3309	Kadam Amar Dipak	J.G. Kadam	J.G. Kadam	J.G. Kadam	J.G. Kadam	J.G. Kadam	J.G. Kadam	J.G. Kadam	J.G. Kadam
3310	Kadam Prachi Suresh	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde
3311	Kadam Prashant Dattatray	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde
3312	Kadam Pratham Mangesh	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde
3313	Kadam Sanjiwani Jalindar	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde
3314	Kadam Saurabh Ashok	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde
3315	Kadam Shubham Bhimrao	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde	Patil, shinde



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Department of Zoology

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Year 2023-24

Attendance – December 2023

Roll No.	Name of Student	6/12/23	7/12/23	13/12/23	14/12/23	20/12/23	21/12/23	27/12/23	29/12/23
3256	Lade Yashpal Sunil	-	Lade Y	Lade Y	Lade Y	Lade Y	Lade Y	Lade Y	-
3257	Nikam Nehali Nandkumar	N.Nikam	N.Nikam	N.Nikam	N.Nikam	N.Nikam	N.Nikam	N.Nikam	N.Nikam
3259	Patil Shivani Balu	Patil.	Patil.	Patil.	Patil.	Patil.	Patil.	Patil.	Patil.
3260	Shinde Samiksha Prakash	shinde.	shinde.	shinde.	shinde.	shinde.	shinde.	shinde.	shinde.
3261	Patil Sandhyarani Subhashrao	Patil	-	Patil	Patil	Patil	Patil	Patil	Patil
3301	Inamdar Shadab Jamal	Inamdar	Inamdar	Inamdar	Inamdar	Inamdar	Inamdar	Inamdar	Inamdar
3302	Ingale Dhiraj Jalindar	Ingale	Ingale	Ingale	Ingale	Ingale	Ingale	Ingale	Ingale
3303	Jadhav Kanchan Mansing	K.Jadhav	K.Jadhav	K.Jadhav	K.Jadhav	K.Jadhav	K.Jadhav	K.Jadhav	K.Jadhav
3304	Jadhav Pallavi Hiralal	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav
3305	Jadhav Pramod Shankar	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav
3306	Jadhav Sumit Ankush	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav
3307	Jadhav Tejashri Madan	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav
3308	Jujar Gouri Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik
3309	Kadam Amar Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak
3310	Kadam Prachi Suresh	P.Suresh	P.Suresh	P.Suresh	P.Suresh	P.Suresh	P.Suresh	P.Suresh	P.Suresh
3311	Kadam Prashant Dattatray	P.Dattatray	P.Dattatray	P.Dattatray	P.Dattatray	P.Dattatray	P.Dattatray	P.Dattatray	P.Dattatray
3312	Kadam Pratham Mangesh	P.Mangesh	P.Mangesh	P.Mangesh	P.Mangesh	P.Mangesh	P.Mangesh	P.Mangesh	P.Mangesh
3313	Kadam Sanjiwani Jalindar	J.Jalindar	J.Jalindar	J.Jalindar	J.Jalindar	J.Jalindar	J.Jalindar	J.Jalindar	J.Jalindar
3314	Kadam Saurabh Ashok	A.Ashok	A.Ashok	A.Ashok	A.Ashok	A.Ashok	A.Ashok	A.Ashok	A.Ashok
3315	Kadam Shubham Bhimrao	B.Bhimrao	B.Bhimrao	B.Bhimrao	B.Bhimrao	B.Bhimrao	B.Bhimrao	B.Bhimrao	B.Bhimrao



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Department of Zoology

“Certificate course in Solid waste management (Vermicomposting)” (Course Code: CCF40)

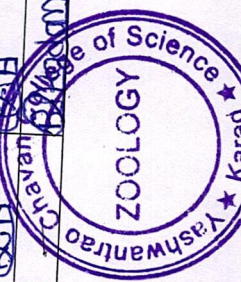
Year 2023-24

Attendance - February 2024

Roll No.	Name of Student	1/2/24	2/2/24	7/2/24	8/2/24	14/2/24	15/2/24	21/2/24	22/2/24	23/2/24
3256	Lade Yashpal Sunil	-	Lade Y	Lade Y	Lade Y	Lade Y	Lade Y	Lade Y	Lade Y	-
3257	Nikam Nehali Nandkumar	N.Nikam	-	N.Nikam	N.Nikam	N.Nikam	N.Nikam	N.Nikam	N.Nikam	N.Nikam
3259	Patil Shivani Balu	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
3260	Shinde Samiksha Prakash	-	shinde	shinde	shinde	shinde	shinde	shinde	shinde	shinde
3261	Patil Sandhyarani Subhashrao	Patil	Patil	Patil	-	Patil	Patil	Patil	Patil	Patil
3301	Inamdar Shadab Jamal	S.Inamdar	-	S.Inamdar	S.Inamdar	S.Inamdar	S.Inamdar	S.Inamdar	S.Inamdar	S.Inamdar
3302	Ingale Dhiraj Jalindar	Ingale	Ingale	Ingale	Ingale	Ingale	Ingale	Ingale	Ingale	Ingale
3303	Jadhav Kanchan Mansing	K.Jadhav	K.Jadhav	K.Jadhav	K.Jadhav	K.Jadhav	K.Jadhav	K.Jadhav	K.Jadhav	K.Jadhav
3304	Jadhav Pallavi Hiralal	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav
3305	Jadhav Pramod Shankar	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav
3306	Jadhav Sumit Ankush	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav	P.Jadhav
3307	Jadhav Tejashri Madan	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav	S.A.Jadhav
3308	Jujar Gouri Pundlik	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav	T.M.Jadhav
3309	Kadam Amar Dipak	S.G.Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik	J.G.Pundlik
3310	Kadam Prachi Suresh	R.Dipak	R.Dipak	R.Dipak	R.Dipak	R.Dipak	R.Dipak	R.Dipak	R.Dipak	R.Dipak
3311	Kadam Prashant Dattatray	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh
3312	Kadam Pratham Mangesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh
3313	Kadam Sanjiwani Jalindar	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh
3314	Kadam Saurabh Ashok	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh
3315	Kadam Shubham Bhimrao	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh	R.Psunesh

Principal

Yashwantrao Chavan College
of Science, Karad



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Zoology

Organised Course on,

“Certificate course in Solid waste management (Vermicomposting)”

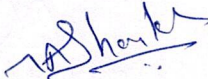
(Course Code: CCF40)

Year 2023 - 2024

Certificates Received

Roll No.	Name of Student	Signature
3256	Lade Yashpal Sunil	Lade Y
3257	Nikam Nehali Nandkumar	N. Nikam
3259	Patil Shivani Balu	Patil
3260	Shinde Samiksha Prakash	shinde
3261	Patil Sandhyarani Subhashrao	Patil
3301	Inamdar Shadab Jamal	Sinamdar
3302	Ingale Dhiraj Jalindar	Ingale
3303	Jadhav Kanchan Mansing	K. Jadhav
3304	Jadhav Pallavi Hiralal	P. Jadhav
3305	Jadhav Pramod Shankar	P. Jadhav
3306	Jadhav Sumit Ankush	S. Jadhav
3307	Jadhav Tejashri Madan	T. M. Jadhav
3308	Jujar Gouri Pundlik	J. G. Pundalik
3309	Kadam Amar Dipak	A. Dipak
3310	Kadam Prachi Suresh	P. Suresh
3311	Kadam Prashant Dattatray	K. Kadam
3312	Kadam Pratham Mangesh	M. Kadam
3313	Kadam Sanjiwani Jalindar	K. Jalindar
3314	Kadam Saurabh Ashok	K. A
3315	Kadam Shubham Bhimrao	B. Kadam


Course Co-Ordinator


HOD




Principal
Yashwantrao Chavan College
of Science, Karad

Estd.:

1958

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Short Term Course

Certificate of Completion

This is to certify that Mr./Miss. Shinde Samiksha Prakash
of Class B.sc III has Completed Short Term Course (3 Months) in Certificate
Course in Solid Waste Management (Vermicomposting) conducted by the department of
_____ during the academic year 2023 - 2024

TR Shaila

Course Co-ordinator

TR Shaila

Head of the Department

TR Shaila

IQAC Co-ordinator

TR Shaila

Principal

Estd. :

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Short Term Course

Certificate of Completion

This is to certify that Mr./M^{ss}. Lade Yashpal sumil
of Class B.Sc III has Completed Short Term Course (3 Months) in Certificate
course in solid Waste mangement (vermicomposting) conducted by the department of
_____ during the academic year 2023 - 2024

Yashpal

Course Co-ordinator

Yashpal

Head of the Department

Yashpal

IQAC Co-ordinator

Yashpal

Principal

Estd.:

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Short Term Course

Certificate of Completion

This is to certify that Mr./Miss. Kore Niyanta Arun
of Class B.Sc. III has Completed Short Term Course (3 Months) in Solid waste
management conducted by the department of

during the academic year 2023 - 2024


Course Co-ordinator


Head of the Department


IQAC Co-ordinator


Principal

Estd.:

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Short Term Course

Certificate of Completion

This is to certify that Mr./Miss. Jadhav Pallavi Hiralal

of Class B.Sc III has Completed Short Term Course (3 Months) in Certificate

course in Solid Waste Management (vermicomposting) conducted by the department of

during the academic year 2023 - 2024

Shankar
Course Co-ordinator

Shankar
Head of the Department

Shankar
IQAC Co-ordinator

Shankar
Principal

Estd.:

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Short Term Course

Certificate of Completion

This is to certify that Mr./Miss. Patil Sandhyarani Subhashrao
of Class B.Sc III has Completed Short Term Course (3 Months) in Certificate
course in solid waste management (vermicomposting) conducted by the department of
 during the academic year 2023 - 2024

Yashwantrao

Course Co-ordinator

Yashwantrao

Head of the Department

Yashwantrao

IQAC Co-ordinator

Yashwantrao

Principal

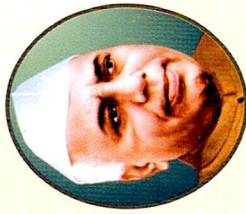
Estd.:

1958

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Short Term Course

Certificate of Completion

This is to certify that Mr./Miss. Patil shivani Balu

of Class B.Sc III has Completed Short Term Course (3 Months) in Certificate

Course in Solid Waste Management (vermicomposting) conducted by the department of
_____ during the academic year 2023 - 2024

Patil Shivani

Course Co-ordinator

Patil Shivani

Head of the Department

Patil Shivani

IQAC Co-ordinator

Patil Shivani

Principal

Estd.:

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Short Term Course

Certificate of Completion

This is to certify that Mr./Miss. Nikam Nehali Nandkumar
of Class B.Sc III has Completed Short Term Course (3 Months) in Certificate
Course in Solid Waste Management (vermicomposition) conducted by the department of
_____ during the academic year 2023 - 2024

(Signature)

Course Co-ordinator

(Signature)

Head of the Department

(Signature)

IQAC Co-ordinator

(Signature)

Principal

Estd.:

1958

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Short Term Course

Certificate of Completion

This is to certify that Mr./Miss. Inamdar Shadab Jamal
of Class B.Sc III has Completed Short Term Course (3 Months) in Certificate
course in solid waste management (vermicomposting) conducted by the department of
_____ during the academic year 2023 - 2024

MS Shinde

Course Co-ordinator

MS Shinde

Head of the Department

MS Shinde

IQAC Co-ordinator

MS Shinde

Principal

Estd.:

1958

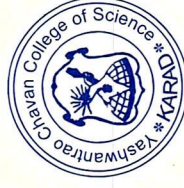
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Short Term Course

Certificate of Completion

This is to certify that Mr./M^{ss}. Ingale phiraj Jalindar

of Class B.Sc III has Completed Short Term Course (3 Months) in certificate

course in solid waste management (vermicomposting) conducted by the department of
_____ during the academic year 2023 - 2024

18/10/23

Course Co-ordinator

18/10/23

Head of the Department

18/10/23

IQAC Co-ordinator

18/10/23

Principal

Estd. :

1958

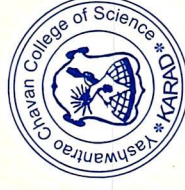
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Short Term Course

Certificate of Completion

This is to certify that Mr./Miss. Jadhav kanchan Mansing
of Class B.Sc III has Completed Short Term Course (3 Months) in certificate
course in solid waste management (vermicomposting) conducted by the department of
_____ during the academic year 2023 - 2024

18/10/23
Course Co-ordinator

18/10/23
Head of the Department

18/10/23
IQAC Co-ordinator

18/10/23
Principal