



Seval Education Society's

Seval Mahila Mahavidyalaya

NAAC RE-REACCREDITED WITH 'A' GRADE

Sakkardara Square, Umrer Road, Nagpur - 440 024 (M.S.)

Phone No.: 0712-2705037, 2751344 Fax: 0712-2705037

E-mail: sevamahilamv@gmail.com; smm_college@yahoo.co.in

Website: <https://sevalmahilamahavidyalaya.ac.in>

CERTIFICATE COURSE

“BIODEGRADATION OF KITCHEN WASTE”

(Duration - Three Months)

Course Co-ordinators

Dr. (Mrs.) P. P. Morey

Department of Chemistry,
Seval Mahila Mahavidyalaya,
Nagpur

2023 – 2024



Ms. Umble

Off. Principal
Seval Mahila Mahavidyalaya
Nagpur.

Course Title : Biodegradation of Kitchen Waste

Course Outline:

- 01. Module I :** Selection of material (i,e Kitchen waste)
- 02. Module II:** Preparation of Compost by various Kitchen waste.
- 03. Module III:** Characterization of material by XRD, Photoluminescence studies of synthesized material
- 04. Module IV:** Analysis of compost prepared.

Syllabus:

- 1.Composting
- 2.Types of composting
3. Important parameters of composting process
4. Effective ingredients required for composting
5. Benefits of composting
6. Kitchen waste
7. Ingredients required for making kitchen compost
8. Types of kitchen waste
9. Methods of kitchen waste composting
10. Analysis of kitchen waste compost

Teaching Methodology:

1. Chalk and board method
2. Power point presentation
3. Practical method for preparing compost
4. Various methods for kitchen waste composting
5. Analysis of compost
6. Field visits

Guest Lectures:

Invited Speakers

1. **Mr. Umesh Chitriv**
NMC composting Brand Ambassador



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Off. Principal
Sevalal Mahila Mahavidyalaya
Nagpur.

Assessment of Students:

Assessment of students was done through theoretical assignments/seminars.

Duration: Three months

Total Hrs: 60 Hrs.

- Theoretical/ Hands on training - 50 hrs.
- Composting place visit - 5 hrs.
- Assignment and Seminars - 5 hrs.

Time : 11.30 am. to 12.30 pm on Thursday, Friday and Saturday Practical's: 3:00pm to 4:30pm on Monday Tuesday

Learning Outcomes:

1. Allow students to learn about to create a sustainable and environmentally friendly way to manage organic waste and also to improve soil health.
2. This activity provides knowledge about how to transform organic waste material into a nutrient rich soil amendment.
3. One of the start-up opportunity
4. Gives platform to become a reasearch scholar understanding what is Research, Research papers, References, Paper publications, and further for Ph.d work in solid waste management chemistry.

Course Co-ordinators:

- 1 Dr. (Mrs.) A. S. Mahakalkar, Professor, Department of Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur.
- 2 Dr. (Mrs.) P. P. Morey, Ass~~tant~~te Professor, Department of Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur.



Mausble

Off. Principal
Sevadal Mahila Mahavidyalaya
Nagpur.

Course Title : : Biodegradation of Kitchen Waste

Duration : Three Months

**Eligibility : M.Sc. Chemistry, Students, Sevadal Mahila
Mahavidyalaya, Nagpur**

Brief Description of the Course and Objectives:

1. To recycle organic waste by composting.
2. To improve soil quality composting is a rich sources of nutrients.
3. To reduce landfill waste composting reduces the amount of waste that ends up in landfills which helps to reduce greenhouse gas emissions and conserve landfill space.
4. To reduce environmental pollution – organic waste that ends up in landfills can generate methane gas, a potent greenhouse gas that contributes to climate change composting of organic waste reduces the amount of methane that is produced.
5. To reduce the need for Synthetic fertilizers- uses of compost reduces the need of synthetic fertilizers though compost is very rich in nutrients.
6. Promote biodiversity, conserve water, reduces soil erosion.

Objectives:

The course aimed at imparting skills on organic composting competitive advantage over others validation of knowledge, increased confidence, enhanced credibility, imparts skill in synthesis strategies. Innovative characterization techniques of compost and chemical systems enhancing and enriching the students learning experience in the college and to bring about a more holistic approach to learning as well as to cultivate and develop necessary skills for various careers.



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Nagpur.



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Sevadal Mahila Mahavidyalaya
Place for Higher Learning and Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440024

Date: - 04.12.2023

NOTICE

All the members of the Department of Chemistry are hereby informed that the meeting regarding the Certificate Course in Chemistry has been scheduled on 11th Dec. 2023 at 11.30am at the Hon'ble Principal's Chamber.

Hon'ble Principal Sir will chair the meeting in presence of A.P. Lambat, NAAC Coordinator.

Agenda of the meeting:

- 1) To commence three Certificate Courses in Chemistry Department for UG and PG students.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the chair.

Copy to:

Dr. A. P. Lambat, NAAC Coordinator



MSKhuble

Off. Principal
Sevadal Mahila Mahavidyalaya

Ms. A.S. Mahakalkar

Prof. A. S. Mahakalkar
Head,
Department of Chemistry
Sevadal Mahila Mahavidyalaya,
Nagpur



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Place for Higher Learning and Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440024

Minutes of the Meeting dated on 11.12.2023

Certificate Courses in Department of Chemistry

The meeting regarding the Certificate Courses run by Department of Chemistry was held on 11th Dec. 2023 at 11.30 am in the Hon'ble Principal's Chamber. Hon'ble Principal Sir presided over the meeting.

Agenda of the meeting:

- 1) To commence three Certificate Courses in Chemistry Department for UG and PG students.
- 2) To frame the syllabus of the course.
- 3) Any other matter with the permission of the chair.

Following Members were present.

- | | |
|-----------------------------------|-------------------------------|
| 1) Prof. Pravin Charde, Principal | Chairman |
| 2) Dr. A. P. Lambat | IQAC Coordinator |
| 3) Prof. A. S. Mahakalkar | Head, Department of Chemistry |
| 4) Prof. N. S. Dhoble | Member |
| 5) Prof. M. P. Patil | Member |
| 6) Dr. Mrs. P. P. Chahande | Member |
| 7) Dr. Mrs. A. M. Duragkar | Member |
| 8) Dr. Mrs. P. P. Morey | Member |

Prof. A.S. Mahakalkar Head, Department of Chemistry acted as secretary in the meeting. Head of Department welcomed the Chairperson, Hon'ble Principal, other members and called the meeting in order with permission of chairperson, read out agenda of the meeting and subsequently discussed the matter.



N. Dhoble
Off. Principal
Sevadal Mahila Mahavidyalaya
Nagpur.

1) **Item No. 1:** To commence three certificate courses in Chemistry Department.

Resolution: Unanimously it was decided to commence the Certificate Course in Department of Chemistry from the session 2023-24 with course name and coordinators as follows-

A) "Synthesis and Characterization of Inorganic Phosphors"

Coordinator: Prof Mrs. N. S. Dhoble **Member:** Dr. Mrs. A. M. Duragkar

B) "Preparation of Liquid Soap and Detergent Powder".

Coordinator: Prof. Mrs. M. P. Patil **Member:** Dr. P. P. Chahande

C) "Biodegradation of Kitchen Waste"

Coordinator: Prof.Dr. Mrs.A.S. Mahakalkar **Member** Dr. P. P. Morey



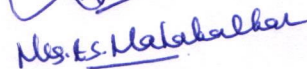
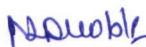

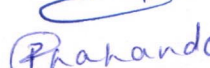


2) **Item No. 2:** To frame the syllabus of the course.

Resolution: Hon'ble Principal expressed his views regarding the framing of course syllabus.

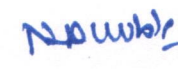
Coordinators and members were asked to prepare syllabus of the respective Certificate Courses.

3) **Item No. 3:** Any other matter with the permission of Chair.

Resolution: As there was no other matter to discuss, the head of department of chemistry sum up the meeting by expressing thanks for everyone's gracious attendance.

Name	Signature
Prof. Pravin Charde, Principal	
Dr. A. P. Lambat	
Prof. A. S. Mahakalkar	 Mrs. A. S. Mahakalkar
Prof. N. S. Dhoble	 N. S. Dhoble
Prof. M. P. Patil	 M. P. Patil
Dr. Mrs. P.P. Chahande	 P. Chahande
Dr. Mrs. A. M. Duragkar	
Dr. Mrs. P. P. Morey	




Off. Principal
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Place for Higher Learning and Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440024

Date- 15.12.2023

NOTICE

All the PG students of Department of Chemistry are hereby informed the college has started various certificate courses. One of them is certificate course in "Biodegradation of Kitchen Waste" run by Department of Chemistry.

Interested students should contact following teachers for admission on or before 30th Dec 2023.

- 1) Prof. Mrs. A. S. Mahakalkar
- 2) Dr. Mrs.P.P. Morey

Handwritten signature

Off. Principal
Sevadal Mahila Mahavidyalaya
Nagpur.



Handwritten signature

Prof. Pravin Charde

Principal

Sevadal Mahila Mahavidyalaya,



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Place for Higher Learning and Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440024

Academic session 2023-24
Student list (MSc Chemistry)
Certificate course in Department of chemistry
BIODEGRADATION OF KITCHEN WASTE

Sr.No	Name of the student	Class
1.	Rina D. Bobade	MSc.Sem I
2.	Vanshika K. Pal	MSc.Sem I
3.	Sadaf S. Asif Ali	MSc.Sem I
4.	Sakshi N. Badge	MSc.Sem I
5.	Shweta P. Nimje	MSc.Sem I
6.	Gazal A. Hemne	MSc.Sem I
7.	Naina L. Ingle	MSc.Sem I
8.	Amruta N. Bawankule	MSc.Sem I
9.	Ashanka S. Nakade	MSc.Sem III
10.	Avantika V. Bokde	MSc.Sem III
11.	Dipali A. Umre	MSc.Sem III
12.	Harsha S. Kapse	MSc.Sem III
13.	Harshada S. Satpute	MSc.Sem III
14.	Minal R. Bokde	MSc.Sem III
15.	Prachi Y. Wasnik	MSc.Sem III
16.	Prerana E. Mahajan	MSc.Sem III
17.	Sakshi S. Nakhate	MSc.Sem III
18.	Saniya Yameen S. Tehseen	MSc.Sem III
19.	Ashanka S. Nakade	MSc.Sem III
20.	Avantika V. Bokde	MSc.Sem III
21.	Dipali A. Umre	MSc.Sem III
22.	Ankita Mamdade	MSc.Sem III

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Off. Principal
Sevadal Mahila Mahavidyalaya
Nagpur.



P. P. Mooney
Dr. P. P. Mooney



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Place for Higher Learning and Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440024

Date- 01.04.2024

NOTICE

All the members of the Department of Chemistry are hereby informed that the meeting regarding the Certificate Course in Chemistry has been scheduled on 5th April 2024 at 11.30 am at the hon'ble Principal's Chamber.

Hon'ble Principal madam will chair the meeting in presence of A.P. Lambat, NAAC Coordinator.

Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the completion of certificate course syllabus and to decide examination schedule of the course.
- 3) Any other matter with the permission of the chair.

Copy to:

Dr. A. P. Lambat, NAAC Coordinator



Adwoble

Off. Principal
Sevadal Mahila Mahavidyalaya
Nagpur.

Ms. A.S. Mahakalkar
Prof. A. S. Mahakalkar
Head,
Department of Chemistry
Sevadal Mahila Mahavidyalaya,
Nagpur



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Place for Higher Learning and Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440024

Minutes of the Meeting dated on 05.04.2024

Certificate Courses in Department of Chemistry

The meeting regarding the Certificate Courses run by Department of Chemistry was held on 5th April 2024 at 11.30 am in the Hon'ble Principal's Chamber. Hon'ble Principal madam presided over the meeting.

Agenda of the meeting:

- 1) To confirm the minutes of the last meeting.
- 2) To review the completion of certificate course syllabus and to decide examination schedule the course.
- 3) Any other matter with the permission of the chair.

Following Members were present.

- | | |
|----------------------------|-------------------------------|
| 1) Prof. N. S. Dhoble | Member |
| 2) Dr. A. P. Lambat | IQAC Coordinator |
| 3) Prof. A. S. Mahakalkar | Head, Department of Chemistry |
| 4) Prof. M. P. Patil | Member |
| 5) Dr. Mrs. P. P. Chahande | Member |
| 6) Dr. Mrs. A. M. Duragkar | Member |
| 7) Dr. Mrs. P. P. Morey | Member |

Ms. A. S. Mahakalkar



Ms. A. S. Mahakalkar

Off. Principal
Sevadal Mahila Mahavidyalaya
Nagpur.

Prof. A.S. Mahakalkar , Head, Department of Chemistry acted as secretary in the meeting. Head of Department welcomed the Chairperson, Hon'ble Principal and other members and called the meeting in order with permission of chairperson, read out agenda of the meeting and subsequently discussed the matter.

1) **Item No. 1:** To confirm the minutes of the last meeting.



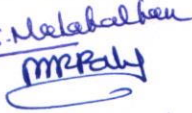
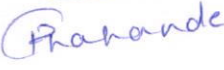



Resolution The minutes of the last meeting held on 11th Dec 2023 were read by the Head of Department of Chemistry and subsequently the minutes were unanimously approved.


2) **Item No. 2:** To review the completion of certificate course syllabus and to decide examination schedule of the course.

Resolution: Hon'ble Principal madam overviewed the course completion of respective certificate courses run by department of chemistry and also guided about the examination pattern and schedule of examination to be commenced in this month.

4) **Item No. 3:** Any other matter with the permission of Chair.

Resolution: As there was no other matter to discuss, the head of department of chemistry sum up the meeting by expressing thanks for everyone's gracious attendance.

Name	Signature
1. Prof. N. S.Dhoble	
2. Dr. A. P. Lambat	
3. Prof. A. S. Mahakalkar	Mrs. A.S. Mahakalkar 
4. Prof. M. P. Patil	
5. Dr. Mrs. P.P. Chahande	
6. Dr. Mrs. A. M. Duragkar	
7. Dr. Mrs. P. P. Morey	


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Nagpur.



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Place for Higher Learning and Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440024

Date- 15.04.2024

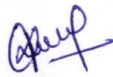
NOTICE

All the students enrolled for Certificate Course "Biodegradation of Kitchen Waste" are hereby informed that the timetable of theory and practical examination is as follows-

Date	Time
20.04.2024	11.00am- 2.00 pm
29.04. 2024	11.00am -2.00pm

Take note of the same.



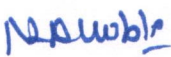

Dr. Mrs. P. P. Morey

Member,

Certificate Course

Sevadal Mahila Mahavidyalaya,

Nagpur


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Place for Higher Learning and Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440024

Academic session 2023-24

Question Paper

Certificate course

BIODEGRADATION OF KITCHEN WASTE

Que 1. Answer the following 25

- What is composting?
- What are the types of composting? Explain in brief.
- Explain types of waste.
- What are the methods of composting?
- Explain phases of composting.

Que 2. Answer the following 25

- What are the benefits of composting?
- Which material is used in kitchen composting.
- What is waste decomposer?
- Explain some objectives of composting.
- Explain Bag method for kitchen waste composting.

Que 3. Answer the following 10

- What is anaerobic composting?
- Explain "Compost is a rich source of organic matter"
- Explain vermicomposting
- Explain Non-Biodegradable Waste.
- What is E-Waste?



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Place for Higher Learning and Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440024

Academic session 2023-24

Assignment Questions

Certificate course

BIODEGRADATION OF KITCHEN WASTE

Que 1. Answer the following

- What is composting?
- What is E-Waste?
- Explain "Compost is a rich source of organic matter"
- Explain some objectives of composting.
- Explain types of waste.



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Place for Higher Learning and Research (Research Academy)

Sakkardara Square, Umrer Road, Nagpur-440024

Academic session 2023-24
Student list (MSc Chemistry)
Certificate course in Department of chemistry
BIODEGRADATION OF KITCHEN WASTE
RESULT

Sr.No	Name of the student	Class	Marks Assignment 20	Marks Practical 20	Marks Theory 60	Total Marks 100	Grade
1.	Rina D. Bobade	MSc.Sem I	15	15	50	80	A
2.	Vanshika K. Pal	MSc.Sem I	15	15	55	85	A
3.	Sadaf S. Asif Ali	MSc.Sem I	15	15	55	85	A
4.	Sakshi N. Badge	MSc.Sem I	15	15	55	85	A
5.	Shweta P. Nimje	MSc.Sem I	15	15	50	80	A
6.	Gazal A. Hemne	MSc.Sem I	15	15	55	85	A
7.	Naina L. Ingle	MSc.Sem I	15	15	45	75	B
8.	Amruta N. Bawankule	MSc.Sem I	15	15	50	80	A
9.	Ashanka S. Nakade	MSc.Sem III	15	15	50	80	A
10.	Avantika V. Bokde	MSc.Sem III				75	
11.	Dipali A. Umre	MSc.Sem III	15	15	50	80	A
12.	Harsha S. Kapse	MSc.Sem III	15	15	55	85	A
13.	Harshada S. Satpute	MSc.Sem III	15	15	55	85	A
14.	Minal R. Bokde	MSc.Sem III	15	15	55	85	A
15.	Prachi Y. Wasnik	MSc.Sem III	15	15	50	80	A
16.	Prerana E. Mahajan	MSc.Sem III	15	15	50	80	A
17.	Sakshi S. Nakhate	MSc.Sem III	15	15	55	85	A
18.	Saniya Yameen S. Tehseen	MSc.Sem III	15	15	45	75	B
19.	Ankita Mandade	MSc.Sem III	15	10	45	70	B
20.	Adiba Khanam	MSc.Sem III	15	10	45	70	B



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Nagpur.

Certificates were distributed to the students after successful completion of the certificate course.

Total No. of Students Enrolled = 20


No. of Students Absent = 00

Total No. of Students Appeared = 20



Dr. Mrs. P.P. Morey

(Member)


Prof. Mrs. A. S. Mahakalkar

(Course Coordinator)

Course Co-ordinators:

- 1 Dr. (Mrs.) A. S. Mahakalkar, HOD Department of Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur.
- 2 Dr. (Mrs.) P. P. Morey, Assistant Professor, Department of Chemistry, Sevadal Mahila Mahavidyalaya, Nagpur.



M. D. Kulkarni
Off. Principal
Sevadal Mahila Mahavidyalaya
Nagpur.



SEVADAL SHIKSHAN SANSTHA
 MAAC RE-ACCI
SEVADAL MAHILA MAI
& RESEARCH ACADEMY
 Sakardara Square, Umter Rod

certificate course
"Theory"

Attendance for the

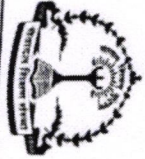
Roll No.	NAME	04/10/24	05/10/24	06/10/24	11/10/24	12/10/24	13/10/24	18/10/24	19/10/24	20/10/24	27/10/24	30/10/24	02/11/24	03/11/24	08/11/24	09/11/24	10/11/24	15/11/24	29/11/24	Month of	Total No. of Lectures/Practical attended
1.	Ms. Pina D. Bobade	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
2.	Ms. Vanshika K. Pal	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
3.	Ms. Sadaf S. Asif Ali	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
4.	Ms. Sakshi Badge	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
5.	Ms. Shweta P. Nimje	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
6.	Ms. Garzal A. Hemne	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
7.	Ms. Naina L. Jogle	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
8.	Ms. Amruta N. Bawankar	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
9.	Adiba Khanam	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
10.	Ankita N. Mandade	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
11.	Ashanka S. Neikade	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
12.	Avantika V. Bokde	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
13.	Dipali Omre	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
14.	Haasha S. Kapse	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
15.	Hanshadra S. Sappute	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
16.	Minjal R. Borde	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
17.	Prachi Y. Umanik	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
18.	Preerana E. Mahajan	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
19.	Sakshi S. Nakhade	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
20.	Saniya Jasmeenshetkar	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	11	11
Total																				11	11



Naamde

Off. Principal
 Sevadal Mahila Mahavidyalaya
 Nagpur.

Checked



SEVADAL SHIKSHAN SANSTHA
 MAC REAGCI
SEVADAL MAHILA MAITI & RESEARCH ACADEMY
 Sakardara Square, Umreer Road

Certificate

Course

"Practicals"

Attendance for the

Month of

Roll No.	NAME	01/02/24	02/02/24	03/02/24	04/02/24	05/02/24	06/02/24	07/02/24	08/02/24	09/02/24	10/02/24	11/02/24	12/02/24	13/02/24	14/02/24	15/02/24	16/02/24	17/02/24	18/02/24	19/02/24	20/02/24	21/02/24	22/02/24	23/02/24	24/02/24	25/02/24	26/02/24	27/02/24	28/02/24	29/02/24	30/02/24	31/02/24	Total No. of Lectures/ Practical engaged				
1.	Ms. Pinal D. Bohade	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP			
2.	Ms. Vanshika K. Pal	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP		
3.	Ms. Sadaf S. Asif Ali	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP		
4.	Ms. Sakshi Badge	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP		
5.	Ms. Shweta P. Nimje	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP		
6.	Ms. Garzal A. Hemne	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP		
7.	Ms. Naina L. Jangle	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP		
8.	Ms. Amruta N. Bawankar	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP		
9.	Adiba Khanam	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP		
10.	Ankita N. Mandade	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP		
11.	Ashanka S. Makade	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	
12.	Avantika V. Bokde	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	
13.	Dipali Umre	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	
14.	Harsha S. Kapse	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
15.	Hanshrada S. Satpute	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
16.	Minral R. Borde	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
17.	Prachi Y. Wamanik	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
18.	Preerana E. Mahajan	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
19.	Sakshi S. Nakhate	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
20.	Saniya yasmens rehure	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
Total Practical																																					



Nawbk
 Off. Principal
 Sevidal Mahila Mahavidyalaya
 Nagpur.



Sevalal Shikshan Sanstha's
NAAC RE-ACCREDITED WITH 'A' GRADE

Sevalal Mahila Mahavidyalaya

Place for Higher Learning and Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440024

Certificate of Completion

This certificate is awarded to

Ms. Minal R. Bokde

she has successfully completed the Certificate Course in
"Biodegradable Waste Management"
conducted by the Department of Chemistry.

Date : 30/04/2024

Dr. (Ms.) Pratiksha Morey
Course Coordinator

Prof. (Mrs.) Nirupama S. Dhoble
Off. Principal
Sevalal Mahila Mahavidyalaya, Nagpur

Nagpur

Off. Principal
Sevalal Mahila Mahavidyalaya
Nagpur.

