

Shri Shahu Shikshan Prasarak Seva Mandal's
Shri. Vijaysinha Yadav College, Peth Vadgaon.



Department of Chemistry

Report on Skill Development Course on Preparation of Soaps & Detergents (2024-25)

Sr. No.	Title	Content
01	Name of Certificate Course	Preparation of Soaps & Detergents
02	Course Code	NA
03	Year of Offering	2024-25
04	No. of times offered during the same year	Once in a year
05	Duration of Course	25th February 2025 to 28th March 2025
06	No. of. Student enrolled	31
07	Student completing the course	31

Mr. S. I. Mujawar
Course Coordinator

Dr. R. A. Pawar
Head, Dept. of Chemistry

Head
Department of Chemistry
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur

Dr. A. S. Chavan
I/C Principal

I/C Principal
Shri Vijaysinha Yadav College,
Peth Vadgaon, Tal. Hatkanangale,
Dist. Kolhapur.

Shri. Vijaysinha Yadav College, Peth Vadgaon.
Department of Chemistry
Report on Skill Development Course on Preparation of Soaps & Detergents (2024-25)



Department of Chemistry of Shri Vijaysinha Yadav College, Peth Vadgaon organized Skill Development Course on **Preparation of Soaps & Detergents**. Following are the details of the course conducted.

Name of Course	: Preparation of Soaps & Detergents
Organizer	: Department of Chemistry.
Duration	: 25 th February 2025 to 28 th March 2025
Contact Hours	: 30hrs
Medium	: English.
Eligibility	: XII Science.
Target Group	: B.Sc. Students
Strength	: 31.
Platform	: Offline.
Name of Skill Provider	:

Sr. No.	Name of Trainer	Educational Qualification
1	Dr. R.A. Pawar	M. Sc., B.Ed., SET, Ph.D.
2	Dr. C. B. Mane	M. Sc., B.Ed., M. Phil. Ph.D.
3	Dr. R. A. Chavan	M. Sc. Ph.D.
4	Mr. S. I. Mujawar	M. Sc., B.Ed., SET
5	Dr. A. N. Kokare	M. Sc. Ph.D.

Short Description of course conducted:

Department of Chemistry of Shri Vijaysinha Yadav College, Peth Vadgaon organized Skill Development Course on **Preparation of Soaps & Detergents** on 25th February 2025 to 28th March 2025. The course was introduced by Mr. S. I. Mujawar, Course Coordinator, Department of Chemistry, Shri Vijaysinha Yadav College, Peth Vadgaon on 25th February 2025. He discussed the basic uses of soaps and detergents as well as structure of the course and its uniqueness in modern era.


The Presidential address was given by Dr. R. A. Pawar, Head, Department of Chemistry of Shri Vijaysinha Yadav College, Peth Vadgaon. On the Same day Session were conducted by Dr. R. A. Pawar and Dr. C. B. Mane on the topic Fundamentals of Industrial Chemistry. From 26th February 2025 session were conducted as per schedule.


Outcomes of the course:


1. Student developed skill of managing the laboratory with ethics and lab safety.
2. Students understand skill regarding preparation of standard solutions.
3. Students understand skill regarding raw materials used in preparation of soaps & detergents.
4. Students acquired applicative knowledge of various methods of preparation of soaps and detergents.

Glimpses of Course Conducted :




Mr. S. I. Mujawar
Course Coordinator


Dr. R. A. Pawar
Head, Dept. of Chemistry
Head
Department of Chemistry
Shri Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur


Dr. A. S. Chavan
I/C Principal
I/C Principal
Shri Vijaysinha Yadav College,
Peth Vadgaon, Tal. Hatkanangale
Dist. Kolhapur.



Shri Shahu Shikshan Prasarak Seva Mandal's

**SHRI VIJAYSINHA YADAV COLLEGE,
PETH VADGAON,
DIST: KOLHAPUR**



DEPARTMENT OF CHEMISTRY

Skill Development Course

On

Preparation of Soaps and Detergents

**Course Coordinator
Mr. Sahil Ibrahim Mujawar
Assistant Professor
Department of Chemistry**

2024-2025

Shri Shahu Shikshan Prasarak Seva Mandal's
Shri. Vijaysinha Yadav College, Peth Vadgaon.
Department of Chemistry



Skill Development Course on Preparation of Soaps & Detergents

Department of Chemistry of Shri Vijaysinha Yadav College, Peth Vadgaon is going to organize Skill Development Course on **Preparation of Soaps & Detergents**. Following are the details.

❖ **Course Co-ordinator:** - Mr. Sahil I. Mujawar

❖ **Details' of Course:**

Name of Course	: Preparation of Soaps & Detergents
Organizer	: Department of Chemistry.
Duration	: One Month
Contact Hours	: 30hrs
Medium	: English.
Eligibility	: XII Science.
Target Group	: B.Sc. Students
Intake capacity	: Minimum 20.
Faculty	: Separate sheet attached.

❖ **General information of the Course**

1) Aims:

- To impart the knowledge of preparation of commercial products to the pupils.
- To make the students expert in preparation of soaps & detergents.

2) Objectives -

- Students will able to lab management
- Students will able to prepare standard solutions.
- Students will able to know raw materials of soaps & detergents.
- Students will able to know preparation method.
- To develop skills for Preparation of soap & detergents.

3. Structure of Course

- Theory 10 hours (Two lectures per day)
- Practical 20 hours
- Examination: - Total: 100 Marks

Theory: 50 Marks (25 MCQs)

Practical: 50 Mark

4. Syllabus

Theory: (10hrs)

1. Fundamentals of Industrial Chemistry
2. Lab Safety Rules and Regulations
3. Acids & Bases
4. Oils and Fats
5. Soaps and Detergents

Practical: (20hrs)

1. Calibration & Standardization.
2. Determination of saponification of oil.
3. Preparation of soap.
4. Preparation of detergents.



Mr. S. I. Mujawar
Course Coordinator



Dr. R. A. Pawar
Head, Dept. of Chemistry

Head
Department of Chemistry
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur



Dr. A. S. Chavan
I/C Principal

I/C Principal
Shri Vijaysinha Yadav College,
Peth Vadgaon, Tal. Hatkanangale,
Dist. Kolhapur.

Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Chemistry
Skill Development Course on Preparation of Soaps & Detergents
2024-25
Design of Curriculum

Meeting to design curriculum of Skill Development Course on **Preparation of Soaps and Detergents** was held on Monday, 13/12/2024 at 11.00 am. Following Faculty were present for meeting.

Name	Role
Mr. S. I. Mujawar	Coordinator
Dr. R.A. Pawar	Member
Dr. C. B. Mane	Member
Dr. R. A. Chavan	Member
Dr. A. N. Kokare	Member


As per discussed, following structure was designed.

5. Syllabus - Theory: (10hrs)


1. Fundamentals of Industrial Chemistry
2. Lab Safety Rules and Regulations
3. Acids & Bases
4. Oils and Fats
5. Soaps and Detergents

Practical: (20hrs)

1. Calibration & Standardization.
2. Determination of saponification of oil.
3. Preparation of soap.
4. Preparation of detergents.



Mr. S. I. Mujawar
Course Coordinator





Dr. R. A. Pawar
Head, Department of Chemistry
Head
Department of Chemistry
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur

Shri. Vijaysinha Yadav College, Peth Vadgaon
Department of Chemistry
Skill Development Course on Preparation of Soaps & Detergents
List of Trainers

Sr. No.	Name of Trainer	Educational Qualification	Designation
1	Dr. R.A. Pawar	M. Sc., SET, Ph.D.	Head, Dept of Chemistry, Shri V. Y. College PethVadgaon
2	Dr. C. B. Mane	M. Sc., M. Phil. Ph.D.	Asso. Professor, Shri V. Y. College PethVadgaon
3	Dr. R. A. Chavan	M. Sc. Ph.D.	Asst. Professor, Shri V. Y. College PethVadgaon
4	Mr. S. I. Mujawar	M. Sc., SET	Asst. Professor, Shri V. Y. College PethVadgaon
5	Dr. A. N. Kokare	M. Sc. Ph.D.	Asst. Professor, Shri V. Y. College PethVadgaon


 Mr. S. I. Mujawar
 Course Coordinator





 Dr. R. A. Pawar
 Head, Department of Chemistry
 Head
 Department of Chemistry
 Shri. Vijaysinha Yadav College
 Peth Vadgaon, Dist. Kolhapur

Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Chemistry
Skill Development Course on Preparation of Soaps & Detergents
Schedule

Sr. No.	Day & Date	Time	Faculty	Title
1	Tuesday 25/02/2025	10.30 to 11.30	Dr. R. A. Pawar	Fundamentals of Industrial Chemistry
		11.30 to 12.30	Dr. C. B. Mane	Fundamentals of Industrial Chemistry
2	Thursday 27/02/2025	10.30 to 11.30	Dr. R. A. Chavan	Lab Safety Rules and Regulations
		11.30 to 12.30	Mr. S. I. Mujawar	Lab Safety Rules and Regulations
3	Tuesday 04/03/2025	10.30 to 11.30	Dr. A. N. Kokare	Acids & Bases
		11.30 to 12.30	Dr. R. A. Pawar	Acids & Bases
4	Wednesday 05/03/2025	10.30 to 11.30	Dr. C. B. Mane	Oils and Fats
		11.30 to 12.30	Dr. R. A. Chavan	Oils and Fats
5	Thursday 06/03/2025	10.30 to 11.30	Mr. S. I. Mujawar	Soaps and Detergents
		11.30 to 12.30	Dr. A. N. Kokare	Soaps and Detergents
6	Monday 17/03/2025	10.30 to 02.30	Dr. R. A. Pawar	Calibration & Standardization
7	Thursday 20/03/2025	10.30 to 02.30	Dr. C. B. Mane	Determination of saponification of oil
8	Friday 21/03/2025	10.30 to 02.30	Mr. S. I. Mujawar	Preparation of soap
9	Saturday 22/03/2025	10.30 to 02.30	Dr. R. A. Chavan	Preparation of detergents.
10	Monday 27/03/2025	12.30 to 02.30	Dr. A. N. Kokare	Theory Examination
11	Tuesday 28/03/2025	10.30 to 02.30	Mr. S. I. Mujawar	Practical Examination


 Mr. S. I. Mujawar
 Course Coordinator





 Dr. R. A. Pawar
 Head, Department of Chemistry
 Department of Chemistry
 Shri. Vijaysinha Yadav College
 Peth Vadgaon, Dist. Kolhapur

Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Chemistry
Skill Development Course on Preparation of Soaps & Detergents
List of Participants

Sr.No.	Name of Student	Fee. In Rs.	Mob. No.
1	Bagwan Sohel Rafik	100/	9763468182
2	Chavan Samarth Ranjit	100/	7030103213
3	Chougule Sujal Dhaval	100/	9021355543
7	Gholap Aarti Sunil	100/	9322702426
5	Jadhav Swati Balaso	100/	7499089498
6	Karade Rasika Dhanaji	100/	9373777497
7	Kerlekar Aditi Indrajit	100/	9130714950
8	Koli Pranali Anil	100/	7276116300
9	Kothari Namrata Shamrao	100/	9579487307
10	Patil Aditya Krishnat	100/	9518983305
11	Patil Pratik Raghunath	100/	7028664102
12	Sankapal Bhumika Sagar	100/	9022626339
13	Godbole Pratham Pradip	100/	7558384467
14	Kiratsing Vishvajeet Vishnu	100/	7558351875
15	Ishani Sachin Powar	100/	7499950595
16	Utkarsha Sambhaji Magdum	100/	9322632714
17	Pratiksha Uday Patil	100/	8421768929
18	Srunshti Vasant Salunkhe	100/	9272174937
19	Amruta Bajirao Chavan	100/	7796714223
20	Priyanka Ramesh Shewale	100/	8329880206
21	Sanika Namdev Suryavanshi	100/	9699915230
22	Pranali Bhimrao Patil	100/	8237587072
23	Sanjana Suresh Shelake	100/	7796714223
24	Neha Nagnath Patil	100/	8010403614
25	Laxmi Siyaram Vaishnav	100/	9860085162
26	Nirjala Prakash Powar	100/	9226578049
27	Sofiya Sajidali Mujawar	100/	8767021702
28	Diksha Vilas Gholap	100/	8591109847
29	Aishwarya Ashok Mali	100/	7499950595
30	Shweta Manik Powar	100/	9322632714
31	Sayali Shivaji Mane	100/	9370361925


Mr. S. I. Mujawar
Course Coordinator




Dr. R. A. Pawar
Head, Department of Chemistry
Department of Chemistry
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur

Nature of Question Paper

Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Chemistry



Skill Development Course on Preparation of Soaps & Detergents

Day: -

Date: -

Time: - 1 Hours.

Total Marks: - 50

Q.1. Select the correct alternative for the following and write the answer.

50

25 Multiple choice questions (2 marks each)

Practical Examination

Day: -

Date: -

Time: - 5 Hours.


Total Marks: - 50


Q.1. Qualitative Analysis


25

Q.2. Quantitative Analysis

25



Mr. S. I. Mujawar
Course Coordinator


Dr. R. A. Pawar
Head, Dept. of Chemistry
Head
Department of Chemistry
Shri Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur



Dr. A. S. Chavan
I/C Principal
I/C Principal
Shri Vijaysinha Yadav College,
Peth Vadgaon, Tal. Hatkanangale,
Dist. Kolhapur.

Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Chemistry
Skill Development Course on Preparation of Soaps & Detergents
Result Sheet

Sr.No.	Name of Student	Marks Obtained (Out of 100)
1	Bagwan Soheli Rafik	85
2	Chavan Samarth Ranjit	88
3	Chougule Sujal Dhaval	82
7	Gholap Aarti Sunil	92
5	Jadhav Swati Balaso	92
6	Karade Rasika Dhanaji	79
7	Kerlekar Aditi Indrajit	78
8	Koli Pranali Anil	90
9	Kothari Namrata Shamrao	92
10	Patil Aditya Krishnat	89
11	Patil Pratik Raghunath	89
12	Sankapal Bhumika Sagar	93
13	Godbole Pratham Pradip	78
14	Kiratsing Vishvajeet Vishnu	78
15	Ishani Sachin Powar	88
16	Utkarsha Sambhaji Magdum	87
17	Pratiksha Uday Patil	90
18	Srunshi Vasant Salunkhe	90
19	Amruta Bajirao Chavan	88
20	Priyanka Ramesh Shewale	89
21	Sanika Namdev Suryavanshi	87
22	Pranali Bhimrao Patil	86
23	Sanjana Suresh Shelake	81
24	Neha Nagnath Patil	85
25	Laxmi Siyaram Vaishnav	90
26	Nirjala Prakash Powar	84
27	Sofiya Sajidali Mujawar	85
28	Diksha Vilas Gholap	86
29	Aishwarya Ashok Mali	90
30	Shweta Manik Powar	88
31	Sayali Shivaji Mane	86


 Mr. S. I. Mujawar
 Course Coordinator




 Dr. R. A. Pawar
 Head, Department of Chemistry
 Department of Chemistry
 Shri. Vijaysinha Yadav College
 Peth Vadgaon, Dist. Kolhapur

Date – 03/02/2025

Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Chemistry

Notice

All the students of B.Sc. Part II & III are hereby informed that, Department of chemistry is conducting a 'Skill Development course on **Preparation of Soaps & Detergents**' from 25th February 2025 to 28th March 2025. Syllabus of the course is of 30 hours which include theory and practicals. All the participants will get a certificate after successful completion of the course. The course fee is 100 Rs. All the interested students should register their name to **Mr. S. I. Mujawar** till 18th February 2025. For any queries kindly contact to **Mr. S. I. Mujawar** (Department of Chemistry).



Mr. S. I. Mujawar
Course Coordinator



Dr. R. A. Pawar
Head, Department of Chemistry

Department of Chemistry
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur

Shri Shahu Shikshan Prasarak Seva Mandal's

Shri Vijaysinha Yadav College

Peth Vadgaon, Dist. Kolhapur

Re-Accredited with Grade: A+ (CGPA: 3.41) by NAAC, Bangalore
(Affiliated to Shivaji University, Kolhapur)



CERTIFICATE

certify that, *Mr./Miss Bhumika Lagale Zankpal*
completed Skill Development Course on "**Preparation of Soaps & Detergents**"
Department of Chemistry, Shri. Vijaysinha Yadav College, Peth Vadgaon from
28th March 2025 in the academic year 2024-25.

and congratulate the participant for enthusiastic performance.