

Shri Vijaysinha Yadav College, Peth Vadgaon

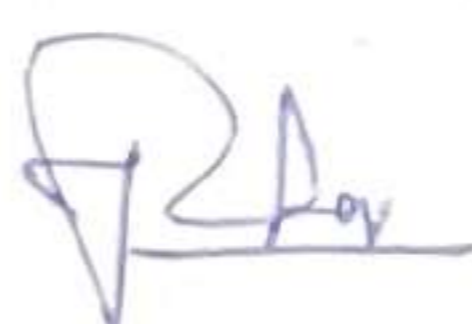
Department of Chemistry

Report of Skill Development Course in Physicochemical Analysis of
Water (2025-26)

Sr. No.	Title	Content
01	Name of Add on/ certificate course	Physicochemical Analysis of Water
02.	Course Code	NA
03.	Year of Offering	2025-26
04.	No. of times offered during the same year	Once in a year
05.	Duration of Course	20 th February to 13 th March 2026
06.	No. of. Student enrolled	20
07.	Student completing the course	20



Dr. R. A. Chavan
Course Coordinator



Dr. R. A. Pawar
Head, Dept. of Chemistry
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 of Skill Development Course in Physicochemical

Analysis of Water (2025-26)

Department of Chemistry of Shri Vijaysinha Yadav College, Peth Vadgaon organized Skill Development Course on **Physicochemical Analysis of Water**. Following are the details of course.

Name of Course	: Physicochemical Analysis of Water
Organizer	: Department of Chemistry
Duration	: 20 th February to 13 th March 2026
Contact Hours	: 30hrs
Medium	: English.
Eligibility	: XII Science.
Strength	: 20
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 Physicochemical Analysis of Water 20th February to 13th March 2026. The course was introduced by Dr. R. A. Chavan, Course Coordinator, Department of Chemistry, Shri Vijaysinha Yadav College, Peth Vadgaon. She strongly pointed on water quality and need of analysis of water. The Presidential address was given by Dr. R. A. Pawar, Head, Department of Chemistry of Shri Vijaysinha Yadav College, Peth Vadgaon. Sessions 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 determination of physical parameters of water.
3. Students understand skill regarding determination of chemical parameters of water.
4. Students acquired applicative knowledge of water in day to day life.



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Shri Shahu Shikshan Prasarak Seva Mandal's
SHRI VIJAYSINHA YADAV COLLEGE,
PETH VADGAON,
DIST: KOLHAPUR

DEPARTMENT OF CHEMISTRY

Skill Development Course

On

Physicochemical Analysis of Water

Course Coordinator
Dr. Rutuja A. Chavan
Assistant Professor
Department of Chemistry

2025-26

Shri Vijaysinha Yadav College, PethVadgaon

Department of Chemistry

Skill Development Course in Physicochemical Analysis of Water

Department of Chemistry of Shri Vijaysinha Yadav College, Peth Vadgaon organized Skill Development Course on **Physicochemical Analysis of Water**. Following are the details.

1. Details' of Course:

Name of Course	: Physicochemical Analysis of Water.
Organizer	: Department of Chemistry.
Duration	: 20 th February to 13 th March 2026
Contact Hours	: 30hrs
Medium	: English.
Eligibility	: XII Science.
Strength	: 20
Mode	:Offline
Faculty	: Separate sheet attached.

2. Curriculum:

Sr. No.	Theory	Practical
01	Lab Management	Calibration &Standardization
02	Lab Safety Rules and Regulations	Determination of Physical Parameters
03	Lab First Aid	Determination of Chemical Parameters.
04	Unit Operation	Tests for Water Analysis.
05	Water Chemistry	
06	Physical Parameters of Water.	
07	Chemical Parameters of Water	
08	Dissolved Oxygen	
09	Chemical Oxygen Demand	
10	Biological Oxygen Demand	

3. Program Fee: Rs. 100/- per student.

4. General information of the Course

1) Aims:

- i. To impart the knowledge of Water chemistry to the pupils.
- ii. To make the student expert in Analysis of Water.

2) Objectives -

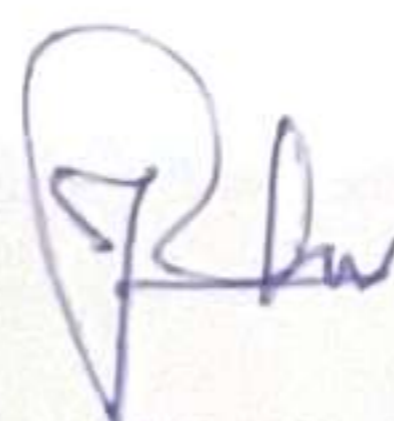
- i. Students will able to lab management
- ii. Students will able to determine physical parameters of water
- iii. Students will able to determine chemical parameters of water
- iv. Applications of the knowledge to analyze water in day today life.
- v. To develop skills for Analysis of Water.

3. Structure of Course

- i. Theory 10 hours (Two lectures per day)
- ii. Practical 20 hours



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Course Coordinator



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Head
Department of Chemistry
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Peth Vadgaon, Dist. Kolhapur



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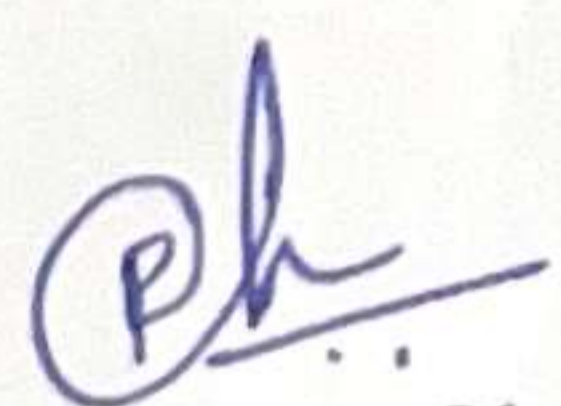
Shri Vijaysinha Yadav College, PethVadgaon
Department of Chemistry
Skill Development Course in Physicochemical Analysis of Water
2025-26
Design of Curriculum

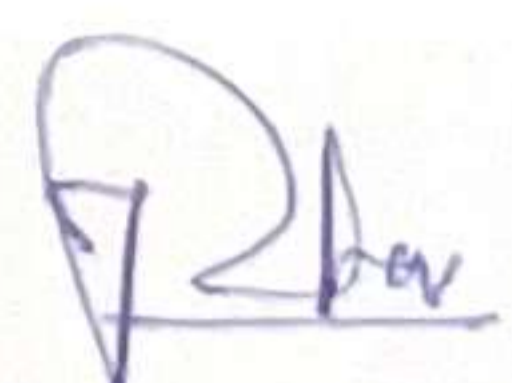
Meeting to design curriculum of Skill Development Course on **Physicochemical Analysis of Water** was held on Monday, 4/2/2026 at 11.00 am. Following Faculty were present for meeting.

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

As per discussed, following structure was designed.

Sr. No.	Theory	Practical
01	Lab Management	Calibration & Standardization
02	Lab Safety Rules and Regulations	Determination of Physical Parameters
03	Lab First Aid	Determination of Chemical Parameters.
04	Unit Operation	Tests for Water Analysis.
05	Water Chemistry	
06	Physical Parameters of Water.	
07	Chemical Parameters of Water	
08	Dissolved Oxygen	
09	Chemical Oxygen Demand	
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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, PethVadgaon
Department of Chemistry
Skill Development Course in Physicochemical Analysis of Water

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 Peth Vadgaon
2	Dr. C. B. Mane	M. Sc., M. Phil. Ph.D.	Professor, Shri V. Y. College Peth Vadgaon
3	Dr. R. A. Chavan	M. Sc. Ph.D.	Asst. Professor, Shri V. Y. College Peth Vadgaon
4	Mr. S. I. Mujawar	M. Sc., SET	Asst. Professor, Shri V. Y. College Peth Vadgaon
5	Dr. A. N. Kokare	M. Sc. Ph.D.	Asst. Professor, Shri V. Y. College Peth Vadgaon


Dr. R. A. Chavan
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 in Physicochemical Analysis of Water

Schedule

Sr. No.	Day & Date	Time	Faculty	Title
1	Friday 20/02/2026	11.30 to 12.30	Dr. R. A. Pawar	Lab Management
		12.30 to 01.30	Dr. C. B. Mane	Unit Operations
2	Saturday 21/02/2026	11.30 to 12.30	Dr. R. A. Chavan	Lab Safety Rules and Regulations
		12.30 to 01.30	Mr. S. I. Mujawar	Lab Communications
3	Monday 23/02/2026	11.30 to 12.30	Dr. A. N. Kokare	Lab First Aid
		12.30 to 01.30	Dr. R. A. Pawar	Water Chemistry
4	Tuesday 24/02/2026	11.30 to 12.30	Dr. A. N. Kokare	Physical Parameters of Water.
		12.30 to 01.30	Dr. R. A. Chavan	Dissolved Oxygen, Biological Oxygen Demand
5	Wednesday 25/02/2026	11.30 to 12.30	Mr. S. I. Mujawar	Chemical Parameters of Water.
		12.30 to 01.30	Dr. C. B. Mane	Chemical Oxygen Demand
6	Thursday 28/02/2026	10.30 to 02.30	Dr. A. N. Kokare	Calibration of Instruments.
7	Monday 2/03/2026	10.30 to 02.30	Dr. C. B. Mane	Determination of Physical Parameters of Water.
8	Wednesday 4/03/2026	10.30 to 02.30	Dr. R. A. Pawar	Determination of Chemical Parameters of Water.
9	Thursday 5/03/2026	10.30 to 02.30	Dr. R. A. Chavan	Some Delicate Tests for Water Analysis.
10	Friday 6/03/2026	12.30 to 02.30	Mr. S. I. Mujawar	Theory Examination
11	Friday 13/03/2026	10.30 to 02.30	Dr. R. A. Chavan	Practical Examination



Dr. R. A. Chavan
Course Coordinator



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


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

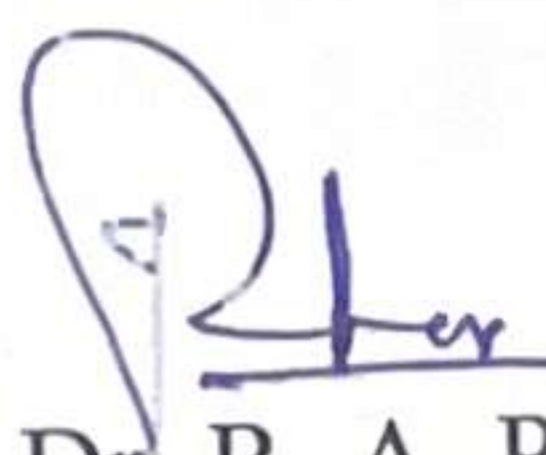
Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Chemistry

Notice

All the students of B.Sc. Part II & III are hereby informed that, Department of chemistry will organize Skill Development course on Physicochemical Analysis of Water from 20th February to 13th March 2026 (30 contact hours). The course is divided in to two parts: Theory and Practicals. Participation Fee is Rs. 100. After completion of course you will get course completion certificate which is very important for your future growth.


20/02/26
Dr. R. A. Chavan
Course Coordinator


20/02/2026
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 in Physicochemical Analysis of Water

Day: -

Time: - 1 Hours.

Date: -

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: -

Time: - 5 Hours.

Date: -

Total Marks: - 50

Q.1. Qualitative Analysis

25

Q.2. Quantitative Analysis

25



Course Coordinator



Head of the Department
Head

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



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 in Physicochemical Analysis of Water

List of Participants

Sr.No.	Name of Student	Fee. in Rs.	Mob. No.	Signature
1	Rasika Dhananjay lohar.	100/-	9823429602	<u>Rohar</u>
2	Sakshi Mahesh kurane	100/	9373906138	<u>Kurane</u>
3	sayali dilip Gaikwad.	100/	9226578049	<u>Gaikwad</u>
7	Laxmi siyaram vaishnav	100/	9860085162	<u>Vaishnav</u>
5	sayali Dattatry Pimpalkar.	100/	7219450602	<u>Pimpalkar</u>
6	Gayatri krushnat kumbhar	100/	8625942265	<u>Kumbhar</u>
7	shruti Ajit shinde.	100/	7420039640	<u>Shinde</u>
8	Neha Nagnath patil	100/	8010403614	<u>NPatil</u>
9	sofiya sadijali Mujawar	100/	8767021702	<u>Mujawar</u>
10	Saniya Musa Pendhari.	100/	8010982260	<u>Pendhari</u>
11	Ansh Dilipkumar Singh	100/	989045528	<u>AS</u>
12	Pratiksha uday patil	100/	8421768929	<u>P.U. Patil</u>
13	ketaki Jagnaath Awaghde	100/	9765202213	<u>K.T.A</u>
14	suraj Ramchandra kharat	100/	8208794080	<u>Kharat</u>
15	piyush Ananda waghmare	100/	9359449242	<u>Waghmare</u>
16	Nirajala Prakash Powar.	100/	9579518476	<u>Powar</u>
17	Amrula Bajirao chavan	100/	8856995028	<u>A.B. chavan</u>
18	kajal Tanaji Nagare	100/	9209245876	<u>K.N.</u>
19	srushti vasant salunkhe	100/	8788303232	<u>Salunkhe</u>
20	shweta Manik Powar.	100/	7875915356	<u>S.Powar</u>
21	Ansh Dilip	100/		
22		100/		
23		100/		
24		100/		
25		100/		
26		100/		
27		100/		
28		100/		
29		100/		
30		100/		

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 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

This is to certify that, **Mr./Miss...Sajal...Dattatray...Pimparkar**..... has
successfully completed Skill Development Course on Physicochemical Analysis of Water
organized by Department of Chemistry, Shri. Vijaysinha Yadav College. Peth Vadgaon
from 20th February 2026 to 13th March 2026 academic year 2025-26

Dr. Rutuja A. Chavan
Course Coordinator
Department of Chemistry

Dr. Renuka A. Pawar
Head
Department of Chemistry

Dr. Ashok S. Chavan
I/C Principal
Shri Vijaysinha Yadav College
Peth Vadgaon

Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Chemistry
Application Form

To
The Principal,
Shri Vijaysinha Yadav College,
Peth Vadgaon.

Subject: Application for admission in Skill Development Course in
Physicochemical Analysis of Water

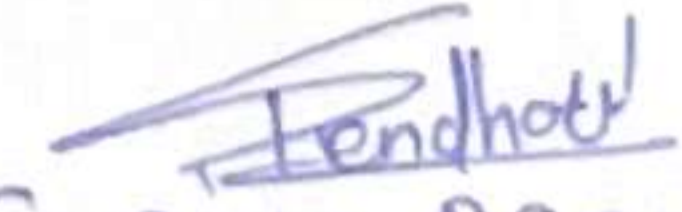
Respected Madam,

I wish to join Skill Development Course in **Physicochemical Analysis of Water** at Department of Chemistry of the institute. I commit to fulfill all the necessary requisites of the program and I am fully aware that if any kind of misbehavior happened at my end there will be cancellation of my admission at any stage of said program. My Personal details are as given below.

1. Name : Saniya Musa pendhari.....
2. Class and Roll Number : B.sc-III 1349
3. Date of Birth : 17/03/2004
4. Mobile : 8010982260
5. E-mail : 2004saniyap@gmail.com.....
6. Category : General/ SEBC/ SC/ ST/ OBC/ NT/ Other.
7. Gender : Male/ Female
8. Permanent Address : Alp. Kini, Tal - Hatkangale.....
Dist - Kolhapur.....

Thanking you,

Yours Sincerely


(Saniya pendhari)