


Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Chemistry

Report of Skill Development Course in Physicochemical Analysis of Water (2023-24)

Sr. No.	Title	Content
01.	Name of Add on/ certificate course	Physicochemical Analysis of Water
02.	Course Code	NA
03.	Year of Offering	2023-24
04.	No. of times offered during the same year	Once in a year
05.	Duration of Course	1st January to 30th January 2024
06.	No. of. Student enrolled	29
07.	Student completing the course	29


Activity Coordinator


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


Principal
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur.

Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Chemistry

Report of Skill Development Course in Physicochemical Analysis of Water (2023-24)

Department of Chemistry of Shri Vijaysinha Yadav College, Peth Vadgaon is 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	: 1 st January to 30 th January 2024
Contact Hours	: 30hrs
Medium	: English.
Eligibility	: XII Science.
Strength	: 29
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 is organized Skill Development Course on **Physicochemical Analysis of Water** on 1st

January to 30th January 2024. The course was introduced by Dr. C. B. Mane, Course Coordinator, Department of Chemistry, Shri Vijaysinha Yadav College, Peth Vadgaon on 1st January 2024. He 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. On the Same day Session were conducted by Dr. R. A. Pawar on the topic Lab Management and Dr. C. B. Mane on the topic Unit Operation. From 2nd January 2024 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 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 today 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. Chandrakant Balu Mane

Associate Professor

Department of Chemistry

2023-24

Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Chemistry
Skill Development Course in Physicochemical Analysis of Water

Department of Chemistry of Shri Vijaysinha Yadav College, Peth Vadgaon is going to organize 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	: 1 st January to 30 th January 2024
Contact Hours	: 30hrs
Medium	: English.
Eligibility	: XII Science.
Strength	: 29
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


Activity Coordinators


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Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Chemistry
Skill Development Course in Physicochemical Analysis of Water
2023-24

Design of Curriculum

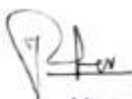
Meeting to design curriculum of Skill Development Course on **Physicochemical Analysis of Water** was held on Monday, 13/12/2023 at 11.00 am. Following Faculty were present for meeting.

Name	Role
Dr. C. B. Mane	Coordinator
Dr. R.A. Pawar	Member
Dr. R. A. Chavan	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.	
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Shri Vijaysinha Yadav College, Peth Vadgaon
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.	Asso. 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


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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	Monday 01/01/2024	11.30 to 12.30	Dr. R. A. Pawar	Lab Management
		12.30 to 01.30	Dr. C. B. Mane	Unit Operations
2	Tuesday 02/01/2024	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	Wednesday 03/01/2024	11.30 to 12.30	Dr. A. N. Kokare	Lab First Aid
		12.30 to 01.30	Dr. R. A. Pawar	Water Chemistry
4	Thursday 04/01/2024	11.30 to 12.30	Dr. C. B. Mane	Physical Parameters of Water.
		12.30 to 01.30	Dr. R. A. Chavan	Dissolved Oxygen, Biological Oxygen Demand
5	Friday 05/01/2024	11.30 to 12.30	Mr. S. I. Mujawar	Chemical Parameters of Water.
		12.30 to 01.30	Dr. A. N. Kokare	Chemical Oxygen Demand
6	Saturday 06/01/2024	10.30 to 02.30	Dr. R. A. Pawar	Calibration of Instruments.
7	Friday 19/01/2024	10.30 to 02.30	Dr. C. B. Mane	Determination of Physical Parameters of Water.
8	Saturday 20/01/2024	10.30 to 02.30	Mr. S. I. Mujawar	Determination of Chemical Parameters of Water.
9	Wednesday 24/01/2024	10.30 to 02.30	Dr. R. A. Chavan	Some Delicate Tests for Water Analysis.
10	Saturday 27/01/2024	12.30 to 02.30	Dr. A. N. Kokare	Theory Examination
11	Tuesday 30/01/2024	10.30 to 02.30	Mr. S. I. Mujawar	Practical Examination


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Shri Vijaysinha Yadav College, Peth Vadgaon

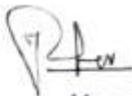
Department of Chemistry

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 1st January to 30th January 2024 (30 contact hours). The course is divided in to two parts: Theory and Practicals.

Participation Fee: Rs. 100. After completion of course you will get course completion certificate which is very important for your future growth.


Activity Coordinators


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Principal
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Nature of Question Paper

Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Chemistry

Skill Development Course in Physicochemical Analysis of Water

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


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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	Bhosale Pooja Pralhad.	100/-	7057320749	<u>Pooja</u>
✓2	Patil Sanika Shivaji.	100/	8010361042	<u>Sanika</u>
✓3	Dabhade Amisha Manik.	100/	9890187305	<u>Amisha</u>
✓7	Shigave Hasmat Harun	100/	9075026249	<u>Hasmat</u>
✓5	Sutae vaibhavi chandrakant	100/	9158005080	<u>Vaibhavi</u>
✓6	Shinde Reshma Baban	100/	8468951327	<u>Reshma</u>
✓7	Patil Sakshi Mahavir	100/	7387497109	<u>Sakshi</u>
✓8	Mujawar Saniya Sajidali	100/	7387261015	<u>Saniya</u>
✓9	Chougale Saniya Jakir	100/	9890534472	<u>Saniya</u>
✓10	Mane Divya Mansing	100/	7820897823	<u>Divya</u>
✓11	Mane Mrunali Pandit	100/	8989836241	<u>Mrunali</u>
✓12	Mane Shraddha Ravaso	100/	9356858693	<u>Shraddha</u>
✓13	Shinde Sushant Mahadev	100/	9750845241	<u>Sushant</u>
✓14	Prajyot K. Dhanawade	100/	9890895397	<u>Prajyot</u>
✓15	Pratik Pratap Khot	100/	8552829999	<u>Pratik</u>
✓16	Pronali Tanaji Vakee	100/	7219313081	<u>Pronali</u>
✓17	Snehal Sanjay Patil	100/	9322821246	<u>Snehal</u>
✓18	Pratiksha Sunil Powar	100/	9923884398	<u>Pratiksha</u>
✓19	Aakankasha Shivaji Shinde	100/	7038280047	<u>Aakankasha</u>
✓20	Sunay Shivaji Yadav	100/	8767794119	<u>Sunay</u>
✓21	Provej Raju Pathan	100/	7410191094	<u>Provej</u>
✓22	Ramchandra Ramesh Patil	100/	7666237042	<u>Ramchandra</u>
✓23	Amit Anil Kadam	100/	7798606675	<u>Amit</u>
24	Sushant Sampat Mane	100/	7385252063	<u>Sushant</u>
25	Rushikesh Birdev Mane	100/	8530440635	<u>Rushikesh</u>

26	Chougule Prasad Shivaji	100/	7987322670	P.S. Chougule
27	Shinde Tejas Babasaheb Babasa	100/	9862070290	Shinde
28	Rathod Vinod Chandra	100/	7774036570	Rathod
29	Bhandari Amruta Sanjay	100/	9309794299	AMB
30		100/		



Amruta Bhandari
Course Coordinator

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

Vijay
Principal
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur.



15	pratik pratap khot	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
16	pranali Tanaji vakse	Vakse	Vakse	Vakse	Vakse	Vakse	Vakse
17	snehal sanjay patil	Patil	Patil	Patil	Patil	Patil	Patil
18	pratiksha sunil powar	Powar	Powar	Powar	Powar	Powar	Powar
19	Aakankashashivaji shinde	ASS	ASS	ASS	ASS	ASS	ASS
20	suraj shivaji Yadav	Syjad	Syjad	Syjad	Syjad	Syjad	Syjad
21	Ramchandra zore patil	Rampati	Rampati	Rampati	Rampati	Rampati	Rampati
22	pavej Raju pathan	PR	PR	PR	PR	PR	PR
23	Amit Anil kadam	AK	AK	AK	AK	AK	AK
24	Sushant sampt mane	Smone	Smone	Smone	Smone	Smone	Smone
25	Rushikesh Birdev mane	Rm	Rm	Rm	Rm	Rm	Rm
26	chougale prasad Shivaji	P.S.Chougale	P.S.Chougale	P.S.Chougale	P.S.Chougale	P.S.Chougale	P.S.Chougale
27	Tajga Babaso shinde	Tajga	Tajga	Tajga	Tajga	Tajga	Tajga
28	Vinod chatru Rathod.	VR	VR	VR	VR	VR	VR
29	Amruta Sanjay Bhandari	ASB	ASB	ASB	ASB	ASB	ASB

[Signature]
course coordinator

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

[Signature]
Principal
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur.



18.	pratiksha sunil paware	Pr	Pr	Pr	Pr	Pr	Pr
19	Aakankasha shivaji shinde	AS	AS	AS	AS	AS	AS
20	suraj shivaji Yadav	Syjad	Syjad	Syjad	Syjad	Syjad	Syjad
21.	pavej raja pathan	PR	PR	PR	PR	PR	PR
22	Ramchandra zore patil	Rampatil	Rampatil	Rampatil	Rampatil	Rampatil	Rampatil
23	Amit Anil Kadam	AK	AK	AK	AK	AK	AK
24	sushant sampatmane	Smone	Smone	Smone	Smone	Smone	Smone
25	rushikesh Birdev mane	Rur	Rur	Rur	Rur	Rur	Rur
26	chougale prasad shivaji	P.S.chougale	P.S.chougale	P.S.chougale	P.S.chougale	P.S.chougale	P.S.chougale
27	Tejas Babaso shinde	Tbs	Tbs	Tbs	Tbs	Tbs	Tbs
28	vinod chatru Rathod.	Crathod	Crathod	Crathod	Crathod	Crathod	Crathod
29	Amruta Sanjay Bhandari	AB	AB	AB	AB	AB	AB

Pr
Course Coordinator

Pr
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Principal
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Department of Chemistry
organized
Skill Development Course
on
'Physicochemical
Analysis of Water'
On
1st January to
30th January, 2024



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 Shinde Reshma Baban.
of **Shri. Vijaysinha Yadav College, Peth Vadgaon** has successfully completed
Skill Development Course on "**Physicochemical Analysis of Water**" organized
by Department of Chemistry, Shri. Vijaysinha Yadav College, Peth Vadgaon from
1st January to 30th January 2024.

We appreciate and congratulate the participant for enthusiastic performance.


Dr. Chandrakant B. Mane
Course Coordinator
Department of Chemistry


Dr. Renuka A. Pawar
Head
Department of Chemistry


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