

"Dissemination of Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

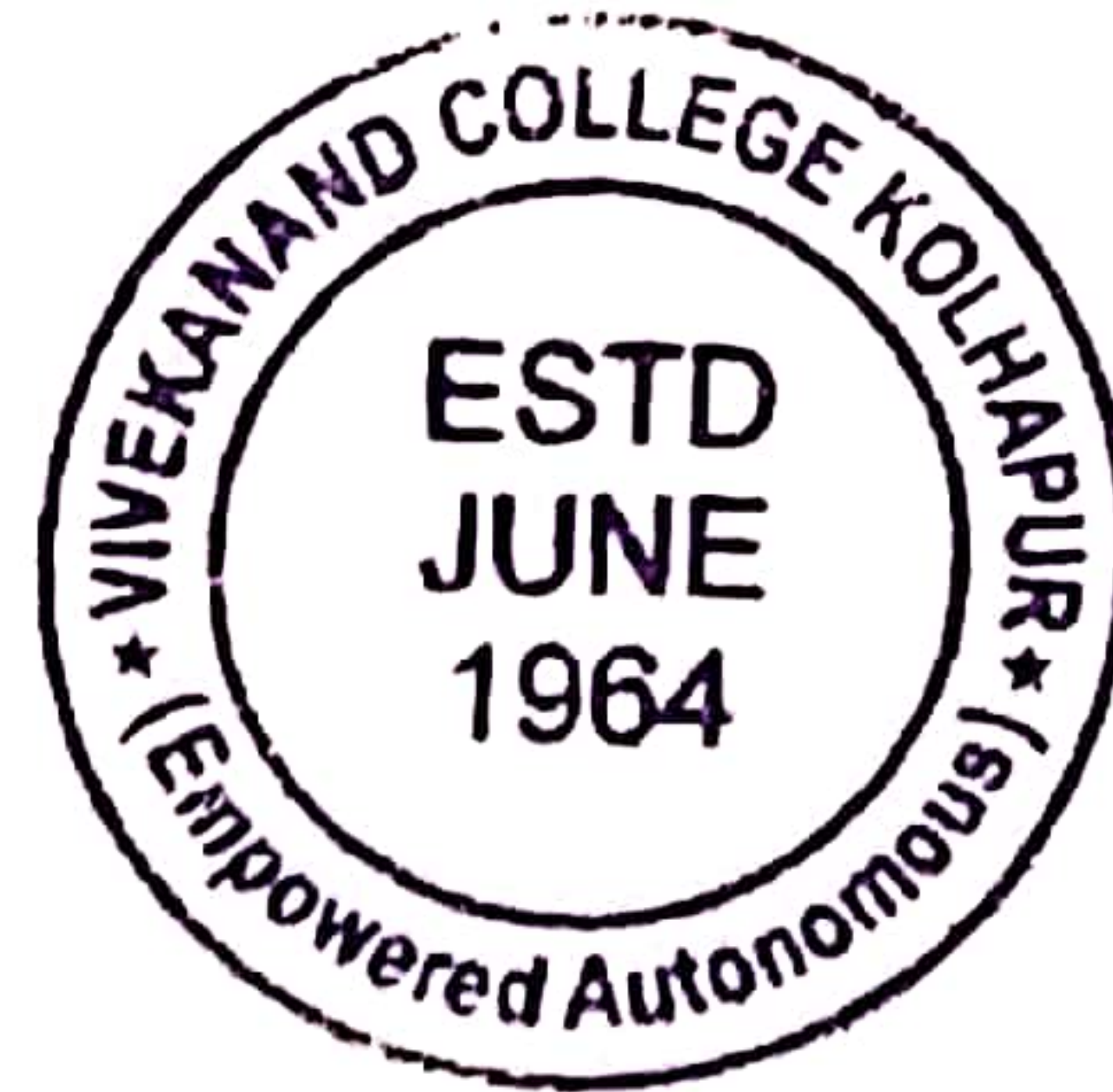
Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur

(An Empowered Autonomous Institute)

Department of Zoology

**B. Sc. III- Visit to Sewage Treatment Plant,
Dudhali, Kolhapur,
(10/01/2025)**



Academic Year 2024-25

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Department of Zoology

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B. Sc. III- Visit to Sewage Treatment Plant, Dudhali, Kolhapur

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Dr. G. K. Sontakke

HEAD

DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



“Dissemination of Education for Knowledge, Science and Culture”
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Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)
Internal Quality Assurance Cell
2024-25
Quality Initiatives/ Activities Report



1. **Name of Department:** ZOOLOGY
2. **Name of Organized Activity:** Visit to Sewage Treatment Plant, Dudhali, Kolhapur.
3. **Date/ Duration:** 10/01/2025, 10.30 onwards

4. **Aims and Objectives:**

Aim: To visit sewage treatment plant and study the process involved in sewage treatment

- Objectives:**
1. To understand the sewage treatment
 2. To acquire knowledge about the processing of sewage
 3. To obtain information about pollution control due to sewage treatment
 4. To study the practical aspects to check quality of water

5. **No. of beneficiaries:**

Sr. No	No. of Beneficiaries		Total
	Male	Female	
1	02	18	20

6. **Expenditure & funding agency:** self

7. **Brief Description:**

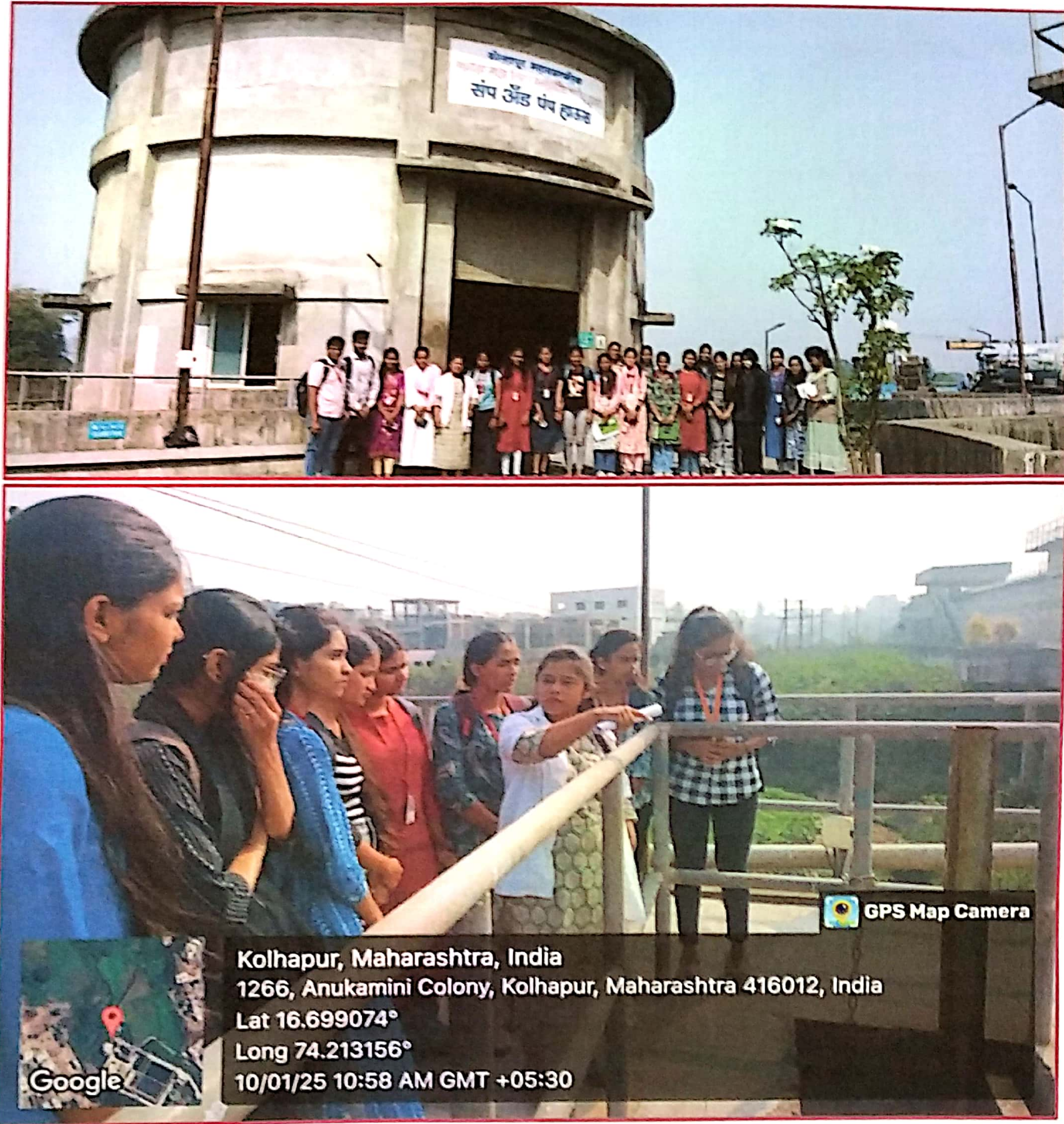
The Visit to Sewage Treatment Plant, Dudhali, Kolhapur was organized by the Department of Zoology for students of B. Sc. III as it is an essential part of the curriculum of B. Sc. III included in practicals of Aquatic Biology. Sewage treatment is a type of wastewater treatment in which contaminants and pollutants are removed from water so as the effluent produced is suitable to discharge in environment. The total 18 students and 2 faculties participated in this visit; students reached at 10.30am at the location, the project manager and his team explained the process involved in the sewage treatment. Students observed the equipment's machines and procedure used in sewage treatment. This visit conducted with permission of Principal Dr. R. R. Kumbhar and under the Guidance of Dr. G. K. Sontakke, Head, Department of Zoology Vivekanand College, Kolhapur (An Empowered Autonomous Institute).

8. **Outcomes:** (After completing the activity)

1. Students should acquire knowledge about sewage treatments


- 2. Students should obtain the information about the processing of sewage
- 3. Students should gain the practical aspects of quality control

9. Photos:



Visit to Sewage Treatment Plant, Dudhali, Kolhapur

10. Signatures of coordinator/ organizer:


Dr. G. K. Sontakke
HEAD
DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

PERMISSION LETTER

Date: 07/01/2025

To,
The Principal
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Subject: Regarding the permission for organising visit to the Sewage treatment Plant
Dudhali, Kolhapur for the students of B. Sc. III

Respected Sir,

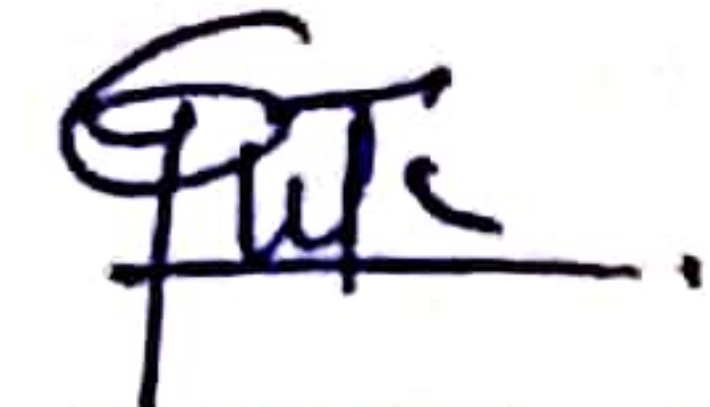
With reference to above subject, Department of Zoology Vivekanand College, Kolhapur (An Empowered Autonomous Institute) is going to arrange the visit to the Sewage treatment Plant Dudhali, Kolhapur for the students of B. Sc. III on 10th January 2025. This visit is part of syllabus which included in practical of B. Sc. III. For that kindly requesting you to grant permission
Thanking you.

Enclosure:

List of students and Faculty

मंडळालाठी सादर
07/01/25
Allowed
Pr
7.1.25

Yours faithfully,



Dr. G. K. Sontakke

HEAD
DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)
2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur -416003
Affiliated to Shivaji University, Kolhapur (M.S.)
NAAC Reaccredited : "A" (CGPA3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T Govt. of India
ISO 9001 : 2015



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Founder
Dr. Bapuji Salunkhe
D.Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin.Mrs. Shubhangi Gawade
M.Sc.,B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc.,M.Phil.,Ph.D.

Ref. No. VCK/ 2169/2024-25

Date : 9/1/2025

To,
The Project Manager,
17 MLD STP, Dudhali, Kolhapur.

Subject: Regarding the permission to visit Sewage Treatment plant.

Respected Sir/ Madam,

With reference to above mentioned subject, we wish to arrange the visit to your sewage treatment plant on Friday, 10th January 2025 to acquire knowledge about sewage treatment. It is an essential part of the academic curriculum of B. Sc. III. Being a part of interactive learning, such educational visits give students major exposure to real working environments along with a practical perspective of a theoretical concept relevant to their domain. We believe that our students will get relevant knowledge during this visit.

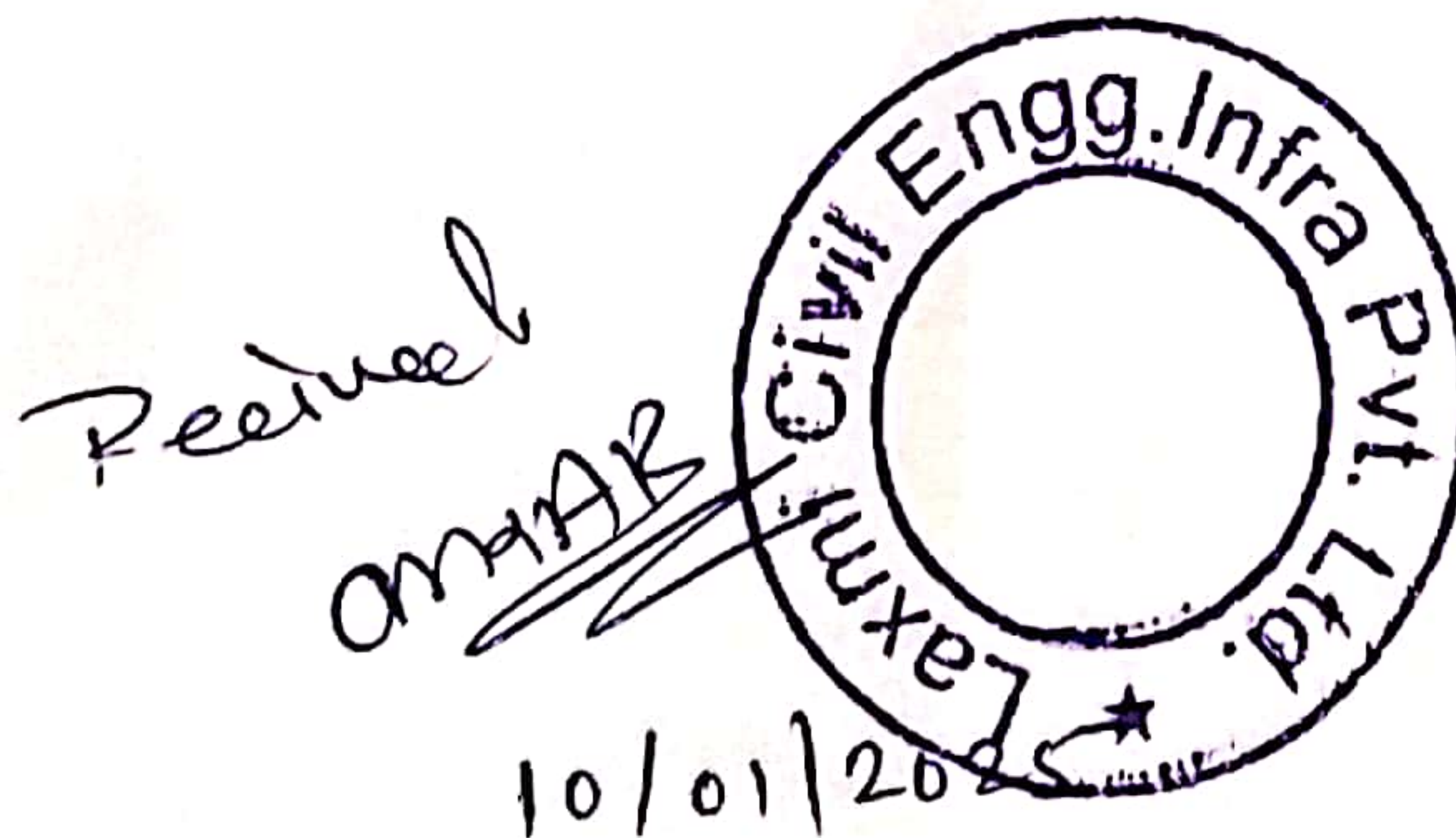
A group of 19 students from B. Sc. III and faculty members intend to participated in this visit, so that please allow us to conduct a visit to your sewage treatment plant and kindly make arrangements for visit in the relevant department.

Thanking you.

Yours faithfully,


Dr. R. R. Kumbhar

PRINCIPAL
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



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Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Zoology

Academic Year 2024-25

Date: 07/01/2025

NOTICE

All the students of B. Sc. III hereby informed that Department of Zoology is going to organise visit to the Sewage treatment plant, Dudhali, Friday, 10/01/2025 at 10. 00 am.

The visit is compulsory to all. Be present on time



Dr. G. K. Sontakke

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Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Zoology

Academic Year- 2024-25

B. Sc. III

Student and faculty List for sewage treatment plant Visit

Sr. No.	Roll No.	Student Name
1	8341	Abrange Vaishnavi Vinod
2	8342	Chougule Shraddha Shivaji
3	8343	Dindayal Prabodhini Raju
4	8344	Jadhav Suyash Kuber
5	8345	Kamble Rutuja Vishal
6	8346	Katkar Siddhi Sanjay
7	8347	Kukade Priyanka Sandeep
8	8348	Mansuri Sahida Allauddin
9	8349	Mishra Shambhavi Mukesh Kumar
10	8350	Mitake Komal Anil
11	8351	Mulla Mahamadkaif Shahanul
12	8352	Nayakavadi Ashiya Riyaj
13	8353	Patil Pradnya Rajendra
14	8354	Raje Shruti Sudarshan
15	8355	Rathod Sonali Ramesh
16	8356	Sayyad Afroja Aslam
17	8357	Shaikh Ayesha Aslam
18	8358	Singh Priya Gopal
19	8359	Ustad Rifat Nasirkhan
20	Faculty :- Ms. P.S. Shetfalkar, Ms. P.R. Gaikwad.	

Dr. G. K. Sontakke

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Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Zoology

Academic Year- 2024-25

B. Sc. III

Student and faculty List for sewage treatment plant Visit

Sr. No.	Roll No.	Student Name	Signature
1	8341	Abrange Vaishnavi Vinod	<i>V.V. Abrange</i>
2	8342	Chougule Shraddha Shivaji	<i>Shraddha</i>
3	8343	Dindayal Prabodhini Raju	<i>P.R. Dindayal</i>
4	8344	Jadhav Suyash Kuber	<i>JK</i>
5	8345	Kamble Rutuja Vishal	<i>R. Kamble</i>
6	8346	Katkar Siddhi Sanjay	<i>SK</i>
7	8347	Kukade Priyanka Sandeep	<i>PK</i>
8	8348	Mansuri Sahida Allauddin	<i>M. Sahida</i>
9	8349	Mishra Shambhavi Mukesh Kumar	<i>Shambhavi</i>
10	8350	Mitake Komal Anil	<i>KM</i>
11	8351	Mulla Mahamadkaif Shahanul	<i>Mulla</i>
12	8352	Nayakavadi Ashiya Riyaj	<i>Ashiya</i>
13	8353	Patil Pradnya Rajendra	<i>Patil</i>
14	8354	Raje Shruti Sudarshan	<i>Raje</i>
15	8355	Rathod Sonali Ramesh	<i>Rathod</i>
16	8356	Sayyad Afroja Aslam	<i>As</i>
17	8357	Shaikh Ayesha Aslam	<i>Shaikh</i>
18	8358	Singh Priya Gopal	<i>Priya</i>
19	8359	Ustad Rifat Nasirkhan	<i>Ustad</i>
20	Faculty	Ms. P. S. Shetfalkar	
21	Faculty	Ms. P. R. Gaikwad	<i>Gaikwad</i>

Dr. G. K. Sontakke

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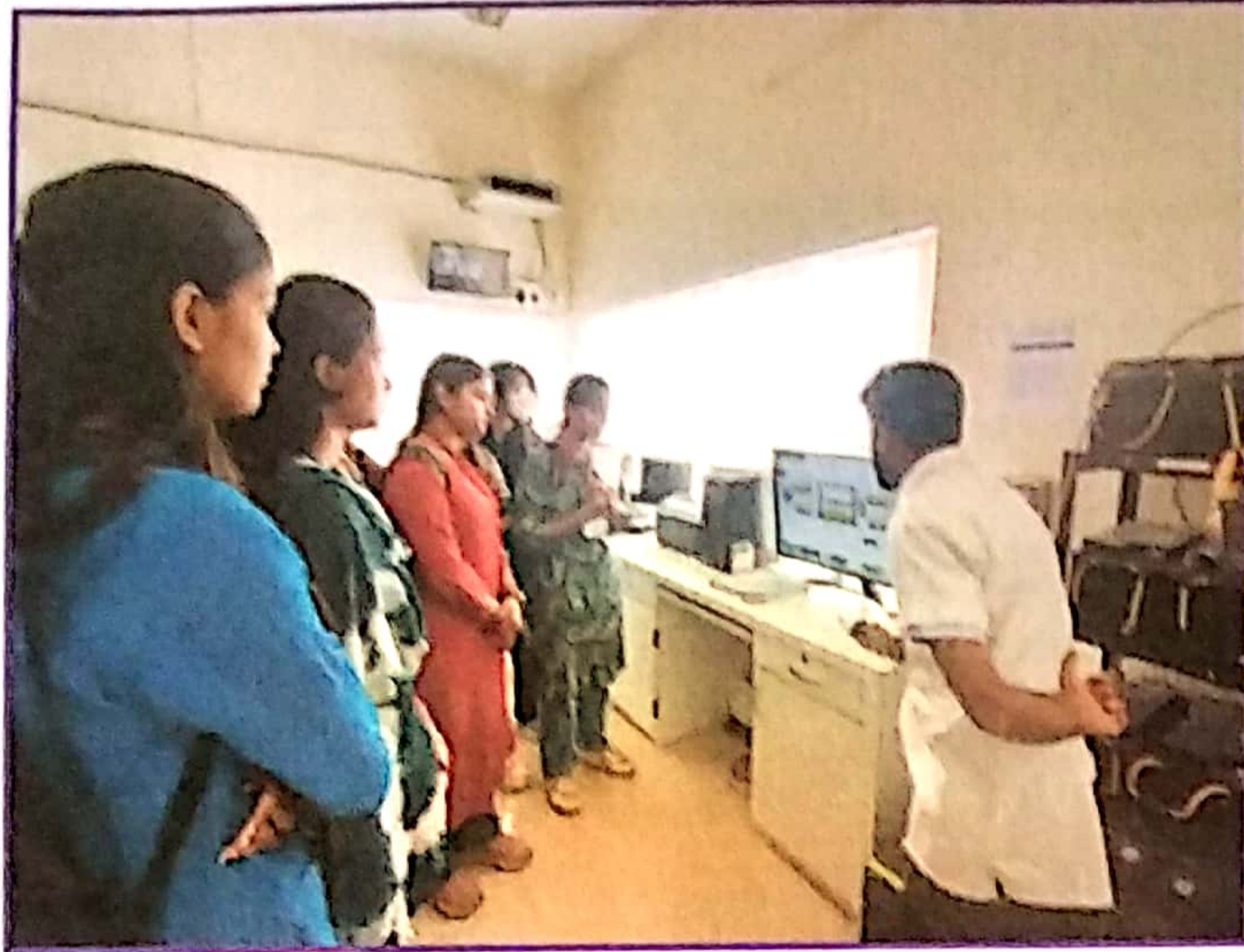
Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Zoology

Academic Year 2024-25

PHOTOPLATE

Visit to Sewage Treatment Plant Dudhali, Kolhapur (10/01/2025)



Dr. G. K. Sontakke

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DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

REPORT

Sewage Treatment Plant, Dudhali, Kolhapur (10/01/2025)

Department of Zoology, Vivekanand College Kolhapur (An Empowered Autonomous Institute) has organised a visit to Sewage Treatment Plant, Dudhali, Kolhapur for the students of B. Sc. III as it is an essential part of the academic curriculum of B. Sc. III included in Aquatic Biology paper. Study visits are part of interactive learning which gives students major exposure to real working environments along with a practical perspective of a theoretical concept relevant to their field.

A sewage treatment plant is a facility that receives waste from residential, commercial, and industrial sources and removes contaminants that harm water quality and endanger public health and safety when discharged into receiving systems or on land. Dudhali sewage treatment plant of 17 MLD (17 Mega Litter per Day) capacity is approved under Maharashtra Suvarna Jayanti Nagorathan Maha Abhiyan (MSJNMA) to treat the sewage collected in the Dudhali nallah basin. 17 MLD STP Dudhali is located in Uttreshwar Peth, Kolhapur. The total 18 students and 2 faculties of Zoology department participated in this visit; students reached at 10.30 am at the location.

The project manager explained the all details of this STP students, he explained that sewage treatment plant involves three stages: primary/preliminary, secondary and tertiary. Primary treatment results in sedimentation of solids (sludge) and formation of an effluent that floats above sludge. Also give information about the screen chamber or bar chamber, oil and grease chamber, collection chamber or equalization tank, Airson tank, blower, tube settler tank, cutter pump, sludge holding tank, filter press machine, MGF i.e. multigrade filter, activated carbon filter, treated water tank etc. he also explained about the Secondary or Biological Treatment which converts organic matter of sewage into stable forms through biological activities, resulting in secondary sedimentation and Tertiary Treatment in which the effluent then undergoes disinfection by incorporation of UV radiation or chlorination. The student from B. Sc. III offered vote of thanks. After this visit students acquired the information about the sewage treatment plant machines used in sewage treatment and process involved in wastewater treatment. This visit conducted with permission of Principal Dr. R. R. Kumbhar and under the Guidance of Dr. G. K. Sontakke, Head, Department of Zoology Vivekanand College, Kolhapur (An Empowered Autonomous Institute).



Dr. G. K. Sontakke

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