

Dissemination of Education for Knowledge Science & Culture"
-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Empowered Autonomous)
Department of Zoology

**B.Sc. III Field Visit to Sewage
Treatment Plant
(27th February 2024)**



Academic Year: 2023-2024

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VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)
DEPARTMENT OF ZOOLOGY
Academic Year 2023-2024

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“B.Sc. III Field Visit to Sewage Treatment Plant”

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Dr. G. K. Sontakke
HEAD
DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
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Vivekanand College, Kolhapur
(Empowered Autonomous)
Internal Quality Assurance Cell
2023-2024
Quality Initiatives/ Activities Report



1. **Name of Department:** ZOOLOGY
2. **Name of Organized Activity:** Visit to Sewage treatment plant, Kolhapur
3. **Date/ Duration:** 27th February 2024

4. **Aims and Objectives:**

Aim: To visit Sewage treatment plant, Kolhapur

- Objectives:**
1. To fulfil the curriculum requirement of practical's of B.Sc. III Ecology and Toxicology Aquatic Biology Papers.
 2. To get knowledge of different units of waste water treatment plant.
 3. To give the practical knowledge about Sewage treatment plant process

5. **No. of beneficiaries:**

Sr. No	No. of Beneficiaries		Total
	Male	Female	
1	05	12	17

6. **Expenditure & funding agency:** - NA

7. **Brief description:**

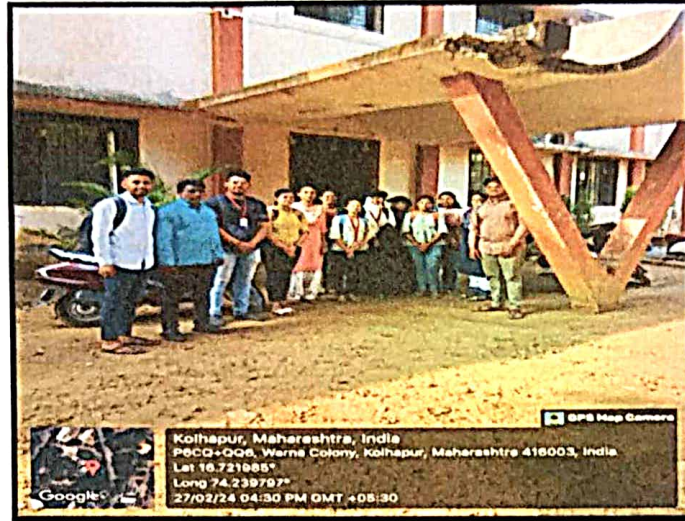
The field visit was organized by Department of Zoology for the students of B.Sc. III, as a part of syllabus, on 27th February 2024 to Sewage Treatment plant. The tour Incharge was Ms. A. P. Sutar (Assistant Professor). Total 15 students and two faculties were participated in field visit. We reached at Sewage treatment plant Kasaba Bawada, Kolhapur at 3.00 pm.

Mr. Ravindra Sawant the in charge officer of Sewage treatment plant briefed the students about Sewage Treatment Plant. He explained functions of each unit of preliminary, primary, secondary and tertiary process. Field visit was organized with permission of Principal Dr. R. R. Kumbhar sir and under guidance of Dr. G. K. Sontakke, Head Department of Zoology.

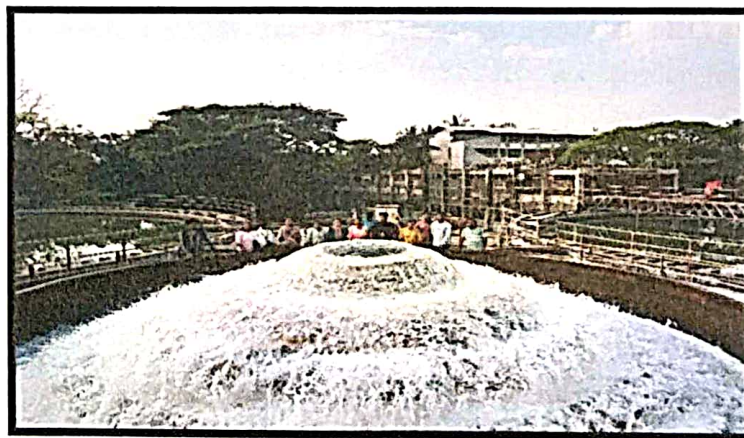
8. Outcomes:

- 1. Students will be able to understand process of sewage treatment plant.
- 2. Students will be able to understand management of sewage/ waste water
- 3. Student will be able to apply this knowledge for purification of sewage /wastewater

9. Photos: (2/3)



Sewage Treatment Plant, Kolhapur



Aeration Tank (Circular type Cascade Aerator)

10. Signatures of coordinator/ organizer:

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

PERMISSION LETTER

Date: 22/02/2024

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

Subject: Request for Permission to Organize a Visit to the Sewage Treatment Plant in
Kolhapur for B.Sc. III Students

Respected Sir,

With reference to the above subject, the Department of Zoology at Vivekanand College, Kolhapur (Empowered Autonomous), is going to organize a visit to the Sewage Treatment Plant in Kolhapur for the students of B.Sc. III on Saturday, 24/02/2024. This visit is a part of the syllabus, which is included in the practicals of B.Sc. III. We kindly request you to grant permission for this visit.

Thanking you.

Enclosure:

List of students and Faculty

Yours faithfully,

G.K.

Dr. G. K. Sontakke
HEAD

**DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
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मंजूरिसाथी सादर
P
22/02/24

Allowed
P
22/02/24

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Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Zoology

Academic Year 2023-24

Date: 22/02/2024

NOTICE

All the students of B. Sc. III hereby informed that Department of Zoology is going to organize field visit to the Sewage treatment plant in Kolhapur on Tuesday, 27/02/2024 at 3.00 pm. The visit is compulsory to all. Be present on time



Dr. G. K. Sontakke

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Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Zoology

Academic Year 2023-24

List of Teaching faculty and students

Sr. No.	Name	Designation
1.	Ms. N. A. Jadhav	Assistant Professor
2.	Ms. A. P. Sutar	Assistant Professor
3.	Bhise Raviraj Nemaji	B.Sc. III
4.	Bhurke Swara Sachin	B.Sc. III
5.	Gore Indraja Vitthal	B.Sc. III
6.	Kothavale Alisha Tanaji	B.Sc. III
7.	Kumbhar Shruti Ramchandra	B.Sc. III
8.	Mane Aman Pralhad	B.Sc. III
9.	Miraje Manoj Arunkumar	B.Sc. III
10.	Mujawar Naaz Navaj	B.Sc. III
11.	Mullani Tabsum Zakirhusen	B.Sc. III
12.	Nadaf Saniya Yunus	B.Sc. III
13.	Patil Snehal Yalgonda	B.Sc. III
14.	Shinde Adityaraj Sachin	B.Sc. III
15.	Shinde Shruti Ravindra	B.Sc. III
16.	Tamaichikar Nilam Narendra	B.Sc. III
17.	Patil Omkar Vijay	B.Sc. III

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Department of Zoology

Academic Year 2023-24

Date-27/02/2024

Attendance of B.Sc. III Students- Sewage treatment plant

Sr. No.	Name	Signature
1.	Bhise Raviraj Nemaji	Bhise
2.	Bhurke Swara Sachin	Bhurke
3.	Gore Indraja Vitthal	Gore
4.	Kothavale Alisha Tanaji	Kothavale
5.	Kumbhar Shruti Ramchandra	Kumbhar
6.	Mane Aman Pralhad	Mane
7.	Miraje Manoj Arunkumar	Miraje
8.	Mujawar Naaz Navaj	Mujawar
9.	Mullani Tabsum Zakirhusen	Mullani
10.	Nadaf Saniya Yunus	Nadaf
11.	Patil Snehal Yalgonda	Patil
12.	Shinde Adityaraj Sachin	Shinde
13.	Shinde Shruti Ravindra	Shinde
14.	Tamaichikar Nilam Narendra	Nilam
15.	Patil Omkar Vijay	Patil

G.K. Sontakke

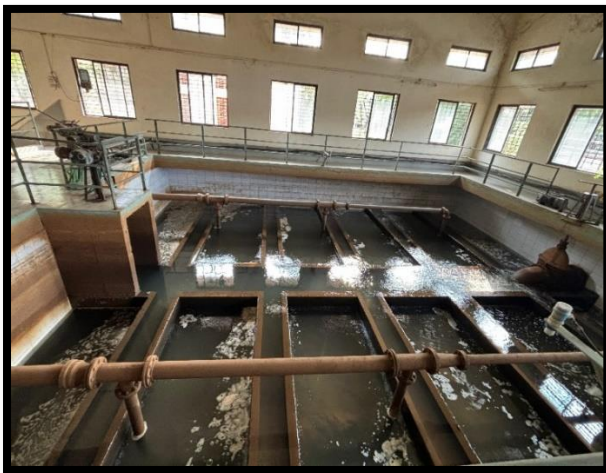
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Department of Zoology
Academic Year 2023-24

Date: 27/02/2024



Filter Beds



Sedimentation Tank



Aeration Tank (Circular type Cascade Aerator)
Photos: Field Visit to Sewage treatment plant

G. K. Sontakke
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Department Of Zoology

Academic Year 2023-2024

Report - Visit to Sewage Treatment Plant, Kolhapur

The Department of Zoology at Vivekanand College, Kolhapur (Empowered Autonomous), organized a field visit for the students of B. Sc. III on February 27, 2024, to the Sewage Treatment Plant as part of the syllabus. This visit is included in the practicals of B.Sc. III Ecology and Toxicology Aquatic Biology Papers.

Sewage treatment plants play a crucial role in urban infrastructure, ensuring effective management and purification of wastewater before its discharge into the environment. Sewage consists of wastewater released by residences, businesses, and industries in a community, with 99.94 percent being water and only 0.06 percent comprising dissolved and suspended solid material.

The visit was mandatory as part of the syllabus since understanding sewage treatment plants is essential for students studying aquatic biology and eutrophication. Fifteen students and two faculty members participated in this field visit. After visiting the animal cell culture laboratory and having lunch, we headed towards the Sewage Treatment Plant in Kasaba Bawada, Kolhapur, at 3:00 pm.

At the beginning of the visit, Mr. Ravindra Sawant, the in-charge officer of the Sewage Treatment Plant, briefed the students about the plant. He made the session interesting by asking basic questions to the students. After the introduction, all students were divided into two groups, each headed by a staff member of the respective program, who guided them in understanding the processes in the plant. Mr. Ravindra Sawant explained the functions of each unit in the preliminary, primary, secondary, and tertiary processes, including the mechanisms of nutrient removal processes such as nitrification, de-nitrification, and phosphorous removal.

Students took almost two hours to observe the complete set of units and treatments for sewage, followed by a session for questions from the students. This visit provided students with a real feel for advanced sewage treatment methods, allowing them to apply their theoretical knowledge to practical implications. It will help them understand the subject matter clearly in the future. The visit concluded with a sense of satisfaction and enlightenment among the students.

**Dr. G. K. Sontakke
HEAD**

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