The Berar General Education Society, Akola

Shri R.L.T College of Science, Akola

Department of Biochemistry & Microbiology

Report On Educational Tour To Mahan Water Purification Plant

(24/11/22)

As a part of their curriculum, the students of B.Sc Part III are expected to make an educational tour. Considering their curriculum, the department of Microbiology & Biochemistry of Shri R.L.T College of Science, Akola conducted an educational tour for the students of B.Sc Part III to Mahan water purification plant on 24th November 2022. Total 94 students took part in the visit along with 8 staff members. The students assembled in the college for orientation. Dr. V.D Nanoty (Principal, Shri R.L.T College of Science, Akola) guided the students about the tour and the importance of the visit. He stated the importance of the visit and the learnings that can be brought back. Dr. H.S. Malpani and Ms. S.N. Gawande instructed the students about their safety in the entire visit. The tour began from the campus at 8:30 am. The students and staff were distributed into two buses to ensure comfort and discipline. The buses reached the water purification plant at 9:30 am. After refreshments, the students were then divided into batches to ensure safety and ease of understanding. The authority and staff at the plant guided the students at various processes of purification. The water was stored in huge tanks before starting the process of purification. It was then transferred to the aeration tank where water is exposed to air to introduce oxygen and remove unwanted dissolved gases, volatile substances, and odor. The next process was filtration using rapid sand filters. Huge sand beds were used to filter out bacteria and solid impurities. The plant staff also showed the process of backwashing of the filters. After filtration, the water is disinfected using chlorine of measured concentration. The water is then stored in tanks and considered for distribution. The students learnt about all these processes. The students were then taken to 'Katepurna' dam at Mahan to observe the role of dam in water storage and prevention of floods. To observe the backwaters, the students were taken to Wagha gad temple. The students enjoyed their lunch at the temple. After lunch, students were given an opportunity to discuss their views about the purification process. Some students also showcased their talents in the form of poems and songs. The return journey started at 5 pm and reached the college campus at 6 pm. The students were instructed to submit the tour report containing all the information of the tour. The tour was organized successfully and ensured learning and safety of the students. The staff members, Dr. H.S. Malpani (Head, Department of Microbiology & Biochemistry) and Ms. S.N. Gawande (Asst. Prof. Department of Microbiology) along with Mr. S.A. Toshniwal, Ms. M.M. Deshmukh, Ms. M.R. Kashid, Ms. R.A. Apturkar, Mr. R.S. Pachori, and Ms. R.C. Kadam accompanied the students to the tour.



Students And Staff Assembling In The College Campus



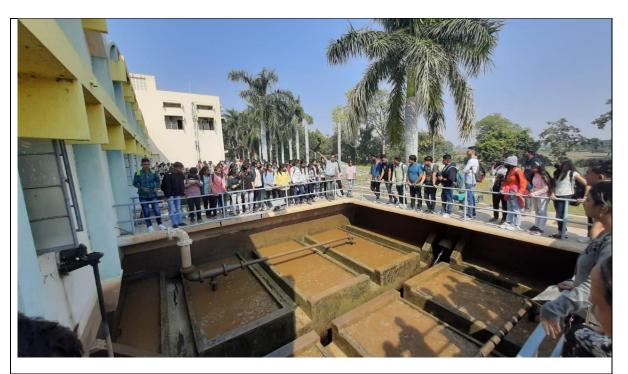
Students And Staff At Mahan Water Purification Plant



Aeration Tank



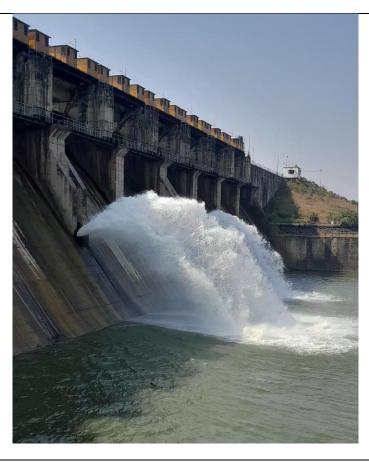
Sedimentation Tank



Rapid Sand Filter Beds During The Process Of Backwashing



Control Unit Of Sedimentation Tank



Mahan Water Dam

Shri R.L.T College of Science, Akola Department of Microbiology & Biochemistry Educational Visit (2022-23) UNDERTAKING

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B1 BATCH		
SR. NO	NAME OF STUDENTS	SIGNATURE
1.	ANKITA SANJAY SAWLANI	(A)
2.	ANUJA GANESH BHATKAR	Antipi
3.	ARATI SANTOSH WAKODE	Jakodo
4.	ARCHANA AMOL WANKHADE	Autorithade
5.	GAYATRI SHRIKRUSHNA GAVHALE	(prohele
6.	JANHVI RAJU DESHMUKH	tefernyth
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- 9.	KIRAN TILAK JADHAO	(Kachab
10.	POOJA ANILSINGH THAKUR	CARTS:
-11.	PRANITA DNYANESHWAR SHELKE	Resholke
-12.	RASIKA PRAKASH TAPRE	R.P. tape c
13.	RENU SURENDRAKUMAR DUBEY	13
14.	REVATI PANKAJ LAHANE	Felali
- 15.	SAKSHI GAIANAN SHELKE	- grate
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17.	SAKSHI RAJESH GOSAVI	Mara
18.	VAISHNAVI ANIL BAGULE	Se gula
19.	VAISHNAVI RAVI KHOTRE	(20)
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24.	SURAJ RAMESHWAR CHAVHAN	Teduch

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3.	AMISHA VIJAY NIKAM	A.V.Nikam:
4.	APEKSHA ANIL JADHAV	o o Tadkavi
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	MAHEK PARVEEN MOHAMMAD IRFAN	
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11.	MAYURI PRAMOD WANARE	606-41
- 12.	MAYURI SUNIL BHARSAKALE	Scharzela
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14.	NABILA FIRDOUS BINT YUSUF SHAH	- Bile
15.	NIKITA DINKAR CHAVAN	akharas
16.		N.R. Tathod
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18.	PRATIKSHA PRAKASHRAO GHODASKAR	Bradaskar
19.	RUSHALI VASUDEO GAVHALE	Statute
20.	SAKSHI RAJU RAUT	tru
21.	SAMIKSHA CHANDRAVIJAY JAMNIK	Gjampile.
- 22.	SHEJAL SHIVANAND RAJURKAR	SPATURKER.
23	SHIVANI GANESH MULEY	(mate)
24.	SHRAVANI MURLIDHAR MALOKAR	Machan
25.	SHRUTI SUDHIR SHEJOLE	-010
26.	SHWETA RAJESH RAIBOLE	Doubel
27.	TEIASWINI SURENDRA CHOUBEY	Ticharley
28.	URIITA SANIAY GHATE	stt Jahala
29.	VAISHNAVI CHANDRAKANT HIRUDKAR	Ohin
30.	KARAN GAJANAN CHAVHAN	Gelola
31.	PANKAIKUMAR SHIVKUMAR YADAV	TENNOON D
32.	PUSHPAK DEEPAK INGOLE	Pine
33.	SOURABH KISAN GAIKWAD	- Carrie
34.	VISHNU SHRAVAN KSHIRSAGAR	(Thelip + sees 5
35.	YASH DIGAMBAR SARAP	Marcus .

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1.	B3 BATCH NAME OF STUDENTS	SIGNATURE
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5.	ANUSHKA DINESH TAYADE	Tayode
6.	ARTI GAUTAM PAWAR	1
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8.	CHANCHAL SANIAY CHATURKAR	Cachetrale
9	DHANASHREE RAVINDRA JALAMKAR	Fedor-
10.	DIPALI NARAYAN WANKHADE	Outled
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12.	HARSHALI SITARAM JADHAO	Boles.
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18.	NIKITA RAJENDRA THETE	N.O.LOWAGE
19.	PRATIKSHA PRADIP AGHADATE	001411
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21.	SADIYA PARVEEN MOHAMMAD YAMIN ANSARI	Thousand I
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	SHWETA VISHNU BHARAMBE	20
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28.	VAISHALI SURESH YADAV	
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	SHANTANU SUNILRAO WAWAGE	424
33.	SHARAD VIJAY SHIRSAT	vertel seco
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	ANUJA VISHWAMBHAR PAGRUT	Togo-

List Of Participated Students

Dr. H.S. Malpani

Head

Department of Microbiology & Biochemistry