

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

We, the students of **B.Sc Part III** Microbiology/Biochemistry Department of Shri R.L.T College of Science, Akola hereby give an undertaking that we are willingly going on Educational visit to "**Mahan water purification plant, Mahan**" on **Thursday, 24th November 2022** at our own risk. We declare that we will take up the responsibility in any circumstances of mishappening and declare that college will not be responsible for the same.

B1 BATCH		
SR. NO	NAME OF STUDENTS	SIGNATURE
1.	ANKITA SANJAY SAWLANI	
2.	ANUJA GANESH BHATKAR	
3.	ARATI SANTOSH WAKODE	
4.	ARCHANA AMOL WANKHADE	
5.	GAYATRI SHRIRUKSINA GAVHALE	
6.	JANHVI RAJU DESHMUKH	
7.	JIDNYASA RAJESH YADAV	
8.	JYOTI DEVIDAS DANGATE	
9.	KIRAN TILAK JADHAO	
10.	POOJA ANILSINGH THAKUR	
11.	PRANITA DNYANESHWAR SHELKE	
12.	RASIKA PRAKASH TAPRE	
13.	RENU SURENDRAKUMAR DUBEY	
14.	REVATI PANKAJ LAHANE	
15.	SAKSHI GAJANAN SHELKE	
16.	SAKSHI MADHUSUDAN SHARMA	
17.	SAKSHI RAJESH GOSAVI	
18.	VAISHNAVI ANIL BAGULE	
19.	VAISHNAVI RAVI KHOTRE	
20.	VEDANTI MURALIDHAR KOKATE	
21.	ABHISHEK DNYANESHWAR DHUMALE	
22.	ANURUDHA VISHAL INGLE	
23.	RUTIK RAJESH PATIL	
24.	SURAJ RAMESHWAR CHAVHAN	

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B2 BATCH		
SR. NO	NAME OF STUDENTS	SIGNATURE
1.	AARTI AVINASH NAKAT	
2.	AKSHATA SANJAY RAUT	
3.	AMISHA VIJAY NIKAM	
4.	APRISHA ANIL JADHAV	
5.	ASMA ANIUM FAYYAZ AHMED	
6.	DIPTI RAJESH UKE	
7.	DIVYA VINODRAO PATIL	
8.	JAGRUTI NAVINCHANDRA BANOT	
9.	KALYANI VIJAY NAVALKAR	
10.	MAHEK PARVEEN MOHAMMAD IRFAN JATTAWALE	
11.	MAYURI PRAMOD WANARE	
12.	MAYURI SUNIL BHARSAKALE	
13.	MRUNAL SHYAM TAYADE	
14.	NABILA FIRDOUS BINT YUSUF SHAH	
15.	NIKITA DINKAR CHAVAN	
16.	NIKITA RUPESH TATHOD	
17.	PRATIKSHA GAJANAN DESHMUKH	
18.	PRATIKSHA PRAKASHRAO GHODASKAR	
19.	RUSHALI VASUDEO GAVHALE	
20.	SAKSHI RAJU RAUT	
21.	SAMIKSHA CHANDRAVIJAY JAMNIK	
22.	SHEJAL SHIVANAND RAJURKAR	
23.	SHIVANI GANESH MULEY	
24.	SHRUVANI MURLIDHAR MALOKAR	
25.	SHRUTI SUDHIR SHEOLE	
26.	SHWETA RAJESH RAIBOLE	
27.	TEJASWINI SURENDRACHOUBEY	
28.	URIPTA SANJAY GHATE	
29.	VAISHNAVI CHANDRAKANT HIRUDKAR	
30.	KARAN GAJANAN CHAVHAN	
31.	PANKAJKUMAR SHIVKUMAR YADAV	
32.	PUSHPAK DEEPAK INGOLE	
33.	SOURABH KISAN GAHKWAD	
34.	VISHNU SHRAVAN KSHIRSAGAR	
35.	YASH DIGAMBAR SARAP	

