



ST. XAVIER'S COLLEGE, MAPUSA GOA

Report of Activity conducted in the Academic Year 2026-27

Name of Activity	Field Trip to Sewage Treatment Plant, Tonka, Panjim
Date/ Duration	26 th September 2026
Venue	Sewage Treatment Plant at Tonka, Panjim, Goa
Name of organizing Department/Cel l	Department of Biotechnology
In collaboration with	
Name/s of Faculty Co ordinator	Ms. Jenica Rangel
Stratum of Event	Departmental
Name & details of Resource Person/s if any	Mr. Shubam Dhavasker and Mr. Saiprasad
Report	The Department of Biotechnology, St. Xavier's College, Mapusa, organized a Field visit to Sewage treatment plant, Tonka, Panjim – Goa, on 26th September 2026 for the F.Y.B.Sc Biotechnology students. The visit was conducted as part of the practical syllabus for the Major paper "Biotechnology in Everyday Life." A total of 29 students participated in the trip and accompanied by Faculty member Ms Jenica Rangel. During the visit, Mr. Shubam Dhavasker and Mr. Saiprasad explained the functioning of the sewage treatment plant and the various stages involved in wastewater treatment. The students gained insights into the preliminary, primary, secondary and tertiary treatment processes employed to remove physical, chemical and biological contaminants from sewage. The preliminary treatment stage involves the removal of large debris and suspended materials through screening and grit removal. Primary treatment facilitates the separation of settleable solids from wastewater through sedimentation. Secondary treatment employs biological processes in which microorganisms break down organic matter, thereby reducing the organic load of the wastewater. Tertiary treatment, where implemented, further improves the quality of treated water through additional treatment and disinfection methods. The field visit provided students with valuable practical exposure to the principles of environmental biotechnology and demonstrated how biological processes are applied in the treatment of wastewater. It helped bridge the gap

	between theoretical knowledge and practical applications, while fostering an appreciation for sustainable wastewater management and pollution control.
Brochure/Poster	NA
Photographs	https://xavierscollegegoa.ac.in/wp-content/uploads/2026/10/image-of-Field-Trip-to-Sewage-Treatment-Plant-Tonka-Panjim.pdf
List of participants with signatures	NA
Certificate	NA