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Vigyan 2.0

Hackathon-2022

Problem Statement

Sr. No.	Title	Details
1	Theme	Biotech
2	Student	College/University
3	Problem Statement	Biotechnological Solutions in Waste Water Management or Agriculture
4	Details of Industry / Organization	Name: Gujarat State Biotechnology Mission, GoG, Gandhinagar Contact Person Name: Dr. Snehal Kumar Bagatharia(GOG-BTM Dept.) Email Id: jdrdbtm@gujarat.gov.in
5	Category	Software or Hardware or product
6	Challenge Description	Industrial wastewater management is a herculean task and most industries struggle to bring the toxic levels of the effluents within the Govt. permissible limits due to lack of efficient waste management strategies or systems. This poses an environmental hazard. Agriculture with its most prevalent use of Chemical based fertilizers is another contributor to environmental hazards. Biotechnology is known to offer economical and environmentally beneficial solutions. Devise a strategy with biotechnology solutions at its core to offer alternatives to effluent management by industries and chemical fertilizers which would be sustainable and environment friendly.
7	Expected Outcomes	1. Effluent management strategy based on Bioremediation 2. Environment friendly biofertilizers



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