

JP NAGAR CENTER

AROMATIC FLUSH SYSTEM: INTEGRATING SODA AND VINEGAR FOR ENHANCED TOILET HYGIENE

PROBLEM STATEMENT

Public toilets are having pungent odour of urine that is hard on olfactory senses as well as lack of hygiene due to improper maintenance which makes it unusable. Presently, exhaust fans, high raised ceilings with ventilating window and used to get out this smells but its not very effective since the people using these toilets are more. Maintenance has been a big issue since finding proper staff, improper supply of cleaning materials and lack of infrastructure .

TEAM MEMBERS



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SOLUTION

The team has selected the idea of using Vinegar and baking soda to neutralize the smell of public toilets. Vinegar is chemically acetic acid and baking soda is sodium bicarbonate. When the two interact a neutralisation reaction occurs between the two , and the brisk effervescence of CO₂ acts as a mild scrubbing agent which not only cleans the surface of the toilet but also removes the smell.

