



Department of Computer Science and Engineering

List of Patents

S.No.	Title of the Patent	File Number	Date	Names of the Patenter	Status
2025-26					
1.	Melosync: Predicting User Mood Through Facial Expressions for Intelligent Music Recommendation	202641002917	30/01/2026	T.V Suneetha	2026 Published
2.	IOT Based Bathroom Cleaner	202541062046 A	11/07/2025	Dr. Gajula Ramesh	2025 Published



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(57) Abstract :

The present invention discloses an Internet of Things (IoT) based robotic cleaning device particularly designed for bathroom floor cleaning. The device comprises a motorized wheel-based mobile base, a line of rotary sponges mounted underneath the unit for mechanical cleaning, and an onboard fluid dispensing system incorporated within the unit that disperses a cleaning solution stored onboard to the sponges directly. The system provides for a two-stage cleaning operation involving an initial cleaning stage by using bathroom cleaner and then a rinsing stage by using water. The robot is driven through a built-in control unit and can be remotely controlled or operated independently through a wireless IoT communication module coupled with a mobile application. The invention intends to facilitate better hygiene, minimize manual effort, and offer a convenient and effective solution for bathroom cleanliness maintenance.

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