



Revolutionizing Public Hygiene: An Innovative Model of Smart IOT-Enabled Public Washroom System

Introduction

Revolutionizing Public Hygiene

The project is based on IOT concepts using different sensors like smell sensor, dirt sensor, sonic sensor, RFID reader, Database. Using these materials we are trying to provide the clean toilets and create the awareness among the people.



Problem Statement

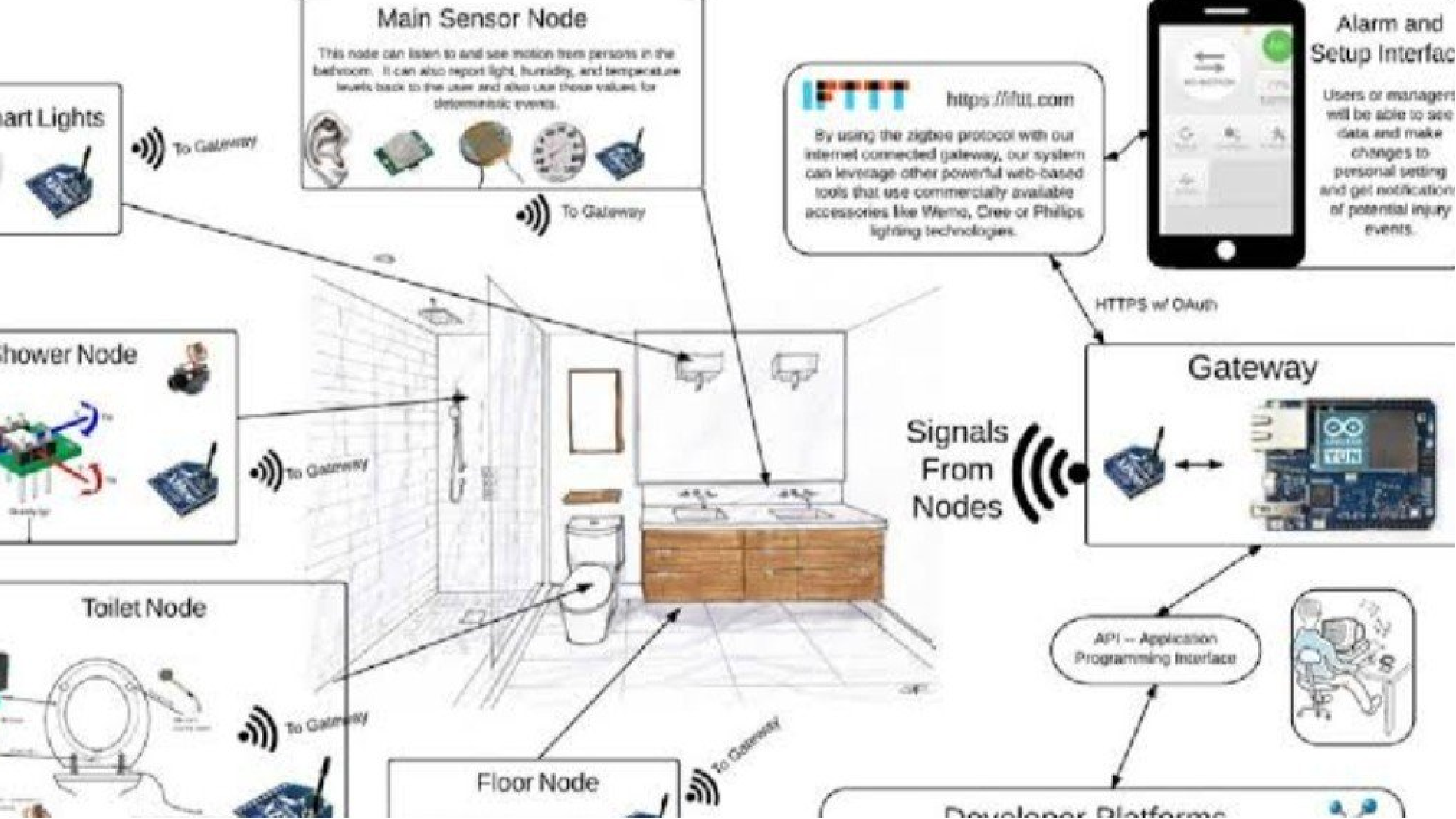
Current public washroom systems are often unhygienic and inefficient, leading to discomfort and inconvenience for users. There is a need for a **smart IoT-enabled** solution to address these challenges and improve public hygiene.



Smart IoT-enabled Features

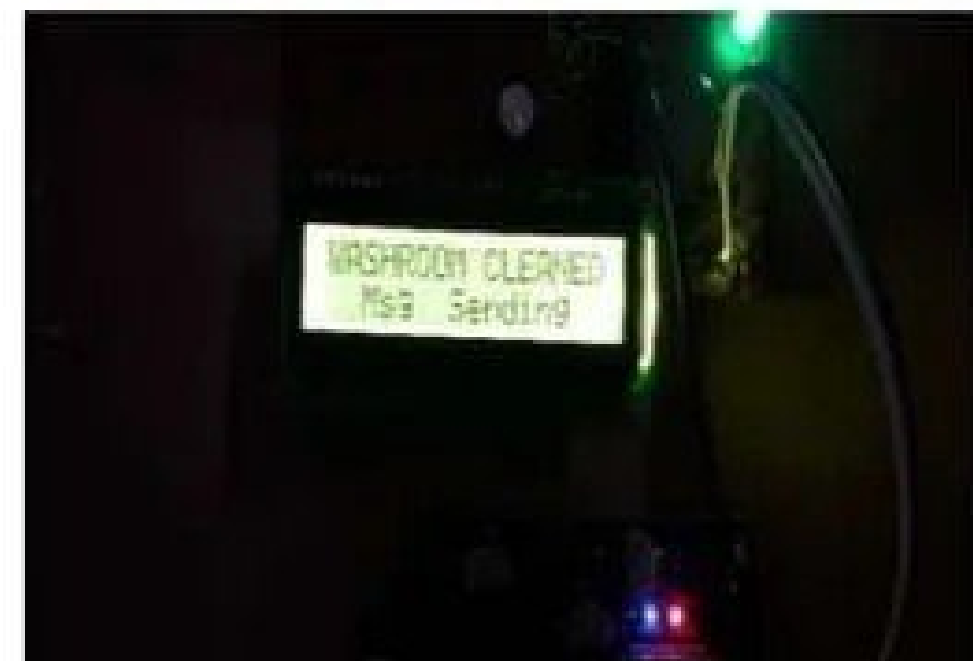
Our innovative model incorporates **smart IoT-enabled** features such as automated **sanitization**, **occupancy monitoring**, and **maintenance alerts**. These features ensure a clean and safe environment, efficient resource management, and enhanced user experience.





Implementation Challenges

While the benefits are substantial, there are challenges to consider, such as initial setup costs, infrastructure requirements, and data privacy concerns. However, with careful planning and collaboration, these challenges can be overcome, and the long-term advantages outweigh the initial investment.



Conclusion

The innovative model of a **smart IoT-enabled** public washroom system offers a transformative solution to revolutionize public hygiene. By leveraging technology, we can create cleaner, more efficient, and user-friendly public washroom facilities that positively impact the overall well-being of communities.

Thanks!