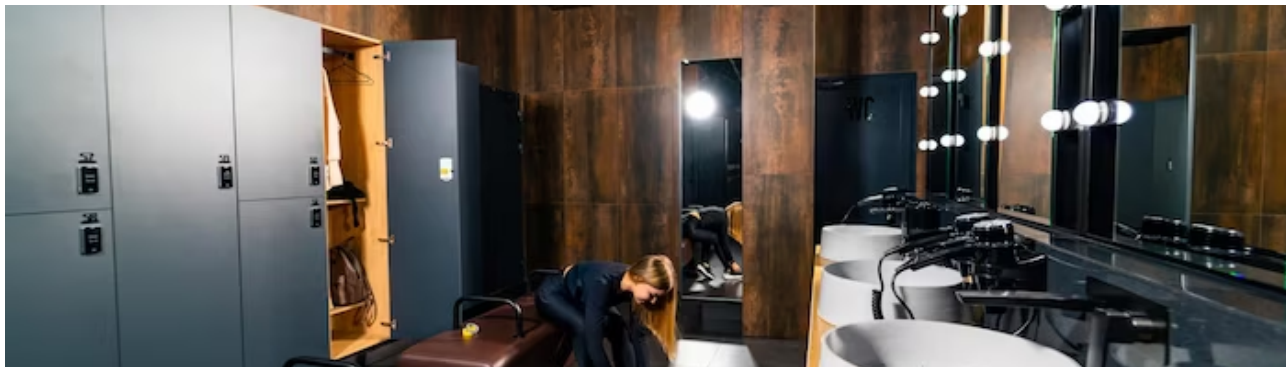




Revolutionizing Public Sanitation: A Smart Restroom Project Proposal

Welcome to the proposal for a Smart Restroom project aimed at revolutionizing public sanitation. This project will improve hygiene and efficiency in public restrooms, providing a better experience for users. The following slides will outline the benefits and features of this innovative solution.

Introduction



Current Challenges

Public restrooms are often unhygienic and inefficient, leading to user dissatisfaction and health risks. Maintaining a clean and functioning restroom requires significant resources and time. The Smart Restroom project addresses these challenges by incorporating advanced technology.



OBJECTIVES

The smart public toilet solution is a solution based on modern scientific and technological means to address the management problems of urban public toilets.

With the continuous acceleration of urbanization, public toilets, as one of the urban infrastructures, play an increasingly important role in urban management and public services

. However, due to the large number of urban public toilets and the difficulty of management, some problems such as hygiene problems and inconvenient use have become increasingly prominent.

The emergence of smart public toilet solutions aims to solve these problems, improve the management efficiency and service quality of urban public toilets, and provide urban residents with a more comfortable and convenient toilet experience.



DESIGNING THE IoT SENSORS

Here the sensors like PT1000 sensor, Pressure sensor, and RFID reader are used here.

PT1000 sensor used to measure the thigh temperature.

Pressure sensor is used measure the pressure of the base portion of the toilet.

Using RFID reader is used to sense the particular person result.



People also ask How do IoT sensors send data? IoT Technologies

The data collected by the sensors is then shared via the cloud and integrated with software. The software then analyzes and transmits the data to users via an app or website.

smart bidet system is designed to monitor the users' health through several contact-type sensors, such as pressure, oxygen, and thermometer. The system is equipped with a built-in artificial intelligence software platform and is designed to detect anal and spinal diseases. The information about toilet usage status is sent over a WIFI module, so the PIR sensor and the WIFI module are implemented into an Arduino circuit. The IoT platform receives the data sent by the Arduino's WIFI component, processes and visualizes the information for the people.





Conclusion

The Smart Restroom project is a game-changer in the field of public sanitation. By incorporating advanced technology, we can revolutionize the way public restrooms are maintained and used. The benefits for users and businesses are significant, and we believe this solution will set a new standard for public sanitation.

THANK YOU
