ProblemDefinition :

In the developing world, the natinos became moderning day by day definitely , yet at the same time the cleanliness in our nation is under risk. eople do not have enough knowledge of using toilets. This leads to several diseases, such as Malaria, Hepatitis, Flu, Cholera, Streptococcus, Typhoid, etc. The abstract of this paper is to deliver clean and hygiene toilets . All the public toilets should be clean and hygiene. In our country, our government has introduced the scheme called “Swachh Bharat”(Clean india) by our Prime Minister Shri.NarendraModi . Keeping the toilets uncontaminated is the one of the objective of Clean India scheme. This paper can be helpful to encourage the clean India project.

Project Definition:

The Project aims to enhance the public restroom management by installing IoT sensors to monitor occupancy and maintenance needs. The goal is to provide a real time data on restroom availability and cleanliness to the public through a platform or mobile app. This project includes defining objectives, designing the restroom information platform, and integrating them using IoT technology and python.

Design Thinking :

The system is controlled and monitored by using programmable logic controller PLC Step 7-200 from Siemens and Supervisory Control and Data Acquisition SCADA systems respectively. Most systems available today depend on a high degree of interaction between the user and the device. Especially for people relying on advanced levels of care, this scheme is impracticable. In this paper we are presenting an “intelligent toilet” performing an extensive health check while being as simple to use as a conventional toilet. Main focus of the system is to support the treatment of diabetes and chronic heart failure, but additional applications are possible. 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. It needs designing of the base portion of the toilet. It can sense all test results of patients through the toilet usage.

Objeectives :

In this paper we are going to provide the clean toilet. This paper can create the awareness among the people about the clean and hygienic toilets. This paper can ensure the responsibilities of the sweeper. Finally, this concept is the one of the stepping stone to the “Clean and disease free India”.

Thankyou!