

Smell Detection Using - IoT

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Abstract: *In our proposed system, we have determined on keeping clean toilets, observing the sweeper's working activities. It can dodge many syndromes. It may create the consciousness amongst people about the toilet management. Therefore, our development is to use safe and hygienic toilets. This paper is based on Arduino concepts using different sensors like MQ-135 Sensor, MQ-8 Sensor, RFID Reader, RFID Tag, MQ-4, Arduino, DHT-11 Temperature & Humidity Sensor. By using these sensors, we can create the smart toilets. Proposed system cleans the public toilet with the help of arduino technology. The Arduino-based E-Toilet system, mainly deals with solving the problem of the unhygienic condition of public toilets. The hardware kit has attached in the toilet with location, Kit-Id and Cleaning Boy details. To maintain the periodicity of cleanliness level different kind of sensors are used. A database is maintained which gives all the notifications to authorities of cleaning department of municipal corporation on a web page. MNC views cleaning logs and Uncleaned toilets. System also provide RFID reader. When the sensor value crossed threshold values then smell sensor detect unclean toilet If toilet is unclean then cleaning boy read there RFID tag .Hardware kit has RFID tag that contains a unique ID scanned by the cleaning boy. Kit data save on server. When the RFID Tag is detected by the Cleaning boy, the system will get all sensors value. Cleaning boy Clean Toilet and After Toilet cleaning read RFID Tag to get all sensor values to view toilet conditions.*

Keywords: RFID

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