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TOIMON: W.C. MONITORING SYSTEM

TS. DR. ABDULRAHMAN AHMED MOHAMMED AL-SEWARI **INVENTOR:**

FACULTY: FACULTY OF COMPUTING UNIVERSITY:

UNIVERSITI MALAYSIA PAHANG **EMAIL:**

ALSEWARI@UMP.EDU.MY, MOHAMMEDSAMIH997@GMAIL.COM CO-INVENTORS: MOHAMMED SAMIH SAEED BIN SAEED, SHARAFELDIN

KABASHI KATHIR.

Product Background

- The size of public buildings is increasing and the number of visitors also increased as a result.
- The services in the public building including the toilet facilities face many issues such as lack of maintance and propper hygiene, lack of staff that could constantly follow and check the condition of each toilet.
- Additionally, the visitors faces some issues such as looking for the closer bathroom and knowing the availability status within a building.

Novelty/ Originality/ Inventiveness

- The first indoor Mobile **Application monitoring** system
- The IoT System could be used in smart building
- **Cloud-based IoT system that** serves as a real time

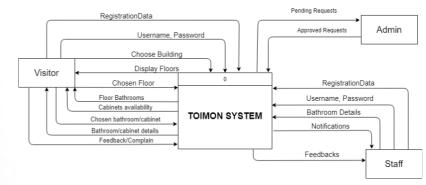
Benefits/Usefulness/ Applicability

- Serves as a medium for facilities' staffs to know the realtime status of each watercabinet within the building they work in and receive real-time complaints which saves both time and resources
- device for users to know the exact status of each watercabinet and communicate with the facilities' staffs

Severs as a real-time status

within buildings.

State of the Art/ Methods



ToiMon ÅÅÅ.

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Environmental Impact · Provides a better process of hygiene insurance and facility maintenance

Realtime Database

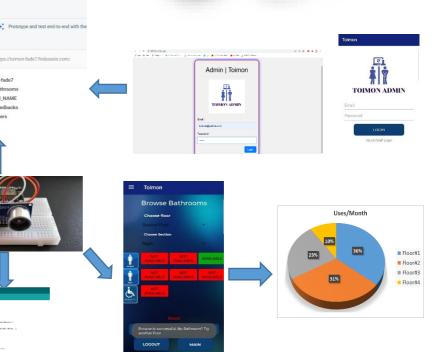
Marketability & Commercialisation

- **Smart Cities.**
- Use of existing ICT infrastructure to create a SMART Building.
- Generate dashboard with data-analytics of floor occupancy
- Implementation of new IoT system

Cost Analysis

- The System can be used in any public building with an estimated installion and customization price of RM10K per Building.
- Cost would include both mobile application, web dashboard for admin access and hardware implementation of real time detection sensors

Collaboration/Industrial Partner



Status of Innovation

- A fully functional mobile application
- A fully functional web-dashboard
- A complete set of software formal reports (Software Requirements Specification + **Software Design Document)**

ToiMon Process

