

# Technology Transfer

**Area of Technology:** Mechanical Engineering

**Title of the Innovation:** AUTOMATIC TOILET SEAT WITH AUTO FLUSH

## **Brief About Innovation**

In the recent years, various programs have been started to maintain the cleanness at public areas. The reason is well understood, such as germs that could lead to sickness. So, it is desirable that a disinfectant system for the public facilities to maintain the hygienic conditions. In general, the use of a toilet without touching and automatic flushing system especially for toilet in public places will reduce the chances of infections. Not only automatic flushing systems reduce physical contact with the toilet, these systems also reduce problems such as user abuse, odor, unflushed fixtures, excessive water consumption, and the like.

## **Salient Features:**

- The present invention relates to a toilet seat system, which automatically lifts and lowers the seat cover when a user enters the toilet room. More particularly, by sensing mechanism, the system detects the presence of user and accordingly lifts and lowers toilet seat via sensors and microcontrollers.
- The primary object of the present invention is to propose a toilet seat system with automatically lifting and lowering of the toilet seat.
- The instant invention is developed as an automatic toilet seat system for lifting and lowering the toilet seat over the toilet.
- The present invention involves a micro-controller, a servo motor, a Passive infrared sensor (PIR motion sensor), a jumper wire, an adapter, a LED, a switch, a toilet seat cover, and a Cistern.

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