









NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S KARMAVEER ADV.BABURAO GANPATRAO THAKARE COLLEGE OF ENGINEERING



# Protects you form germs

Protects you form germs hobby project

## Our Team

We can do any thing



**Programmer** 

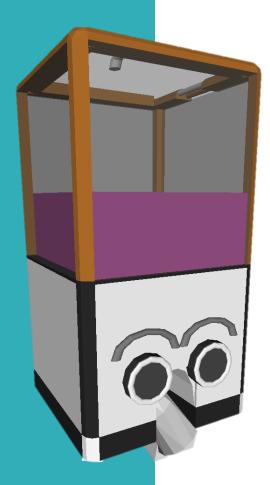
Arduino Programming Expert, Java Expert,





Siddhant Joshi Designer

Fresher in product design, Logo design.



## Flow Of Presentation



01	Introduction Problem Statement.
02	Solution Explanation of solution proposed.
03	Software implementation Writing source code
04	Result and Conclusion Conclusion.

## Introduction



#### **Problem Statement**



Many people are affected due to corona virus as it is spread du to contact from person to person instruments used are also contaminated by touch, sanitization is must to stop this spread of vigorously growing virus.

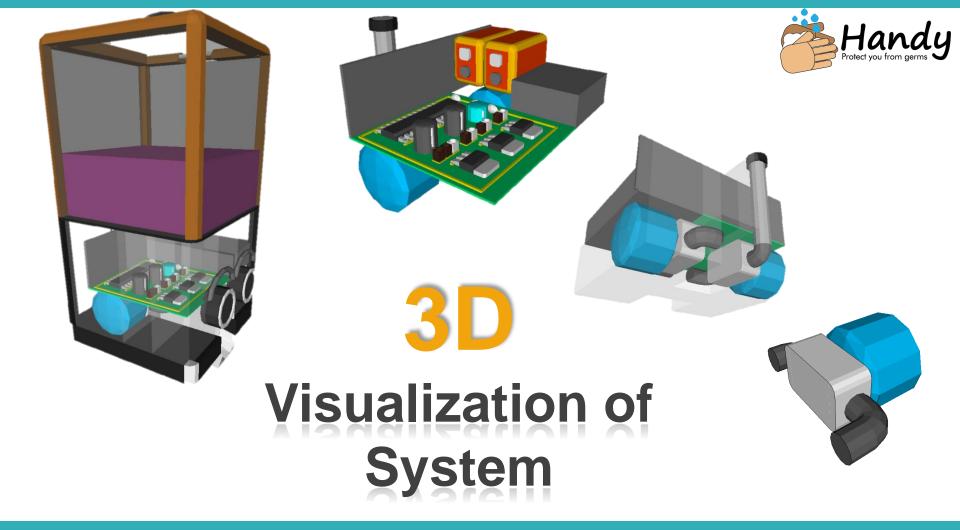




No Touch Just Gesture...

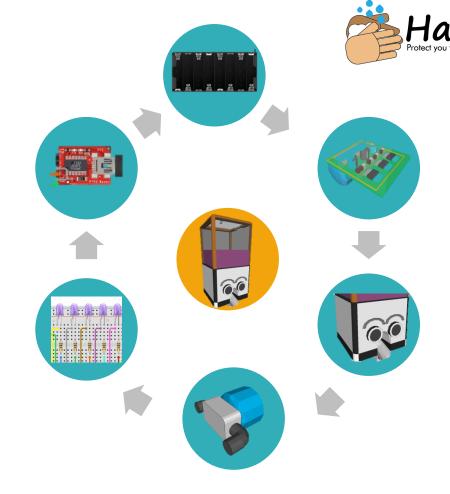






System Visualization

- ✓ Power Supply Unit
- ✓ System controlling unit
- √ Gesture sensing unit
- √Water pressure controlling Unit
- ✓UV light
- ✓ Program feeding system

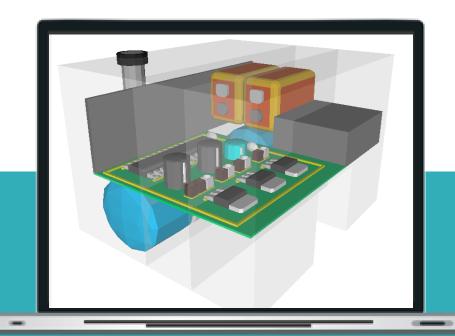




System Visualization

#### Internal structure of system

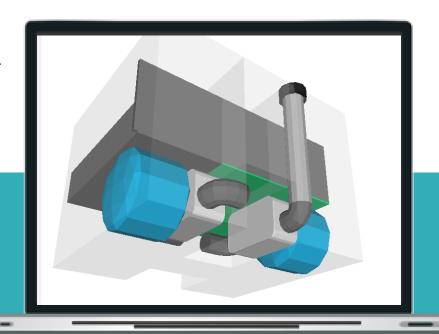
This picture shows compact structuring of power supply and the circuit board mounted into the system with empty spaced left for further improvement of product.



System Visualization

### Structuring of water controlling unit.

Two controlling unit of which one control the fowl of solution and other control the flow of water.

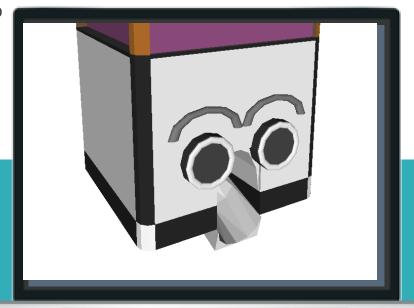




System Visualization

### **Gesture sensing unit**

Two transducer are placed in order to detect hand of human

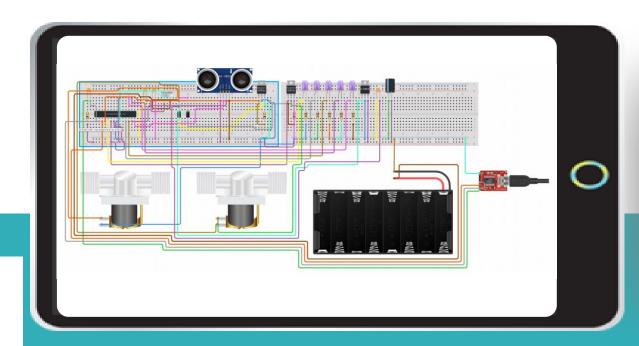


## Circuit Diagram

Two Dimensional View



- ✓ Power Supply Unit
- ✓ System controlling unit
- ✓ Gesture sensing unit
- √ Water pressure controlling Unit
- ✓ UV light
- ✓ Program feeding system

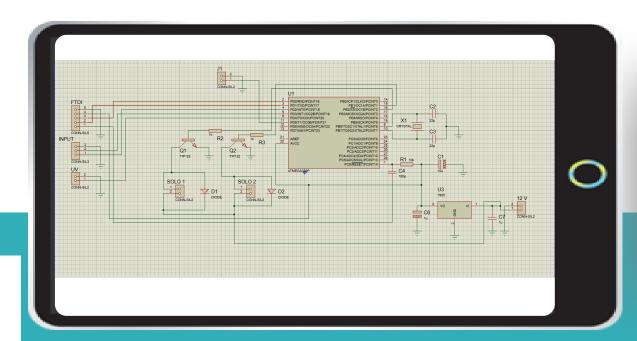


## Circuit Diagram

Two Dimensional View

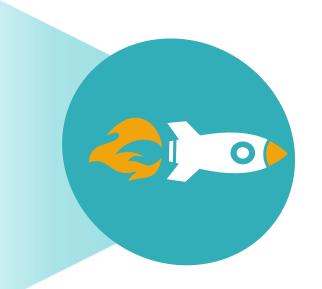


- ✓ Power Supply Unit
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## Software Implementation

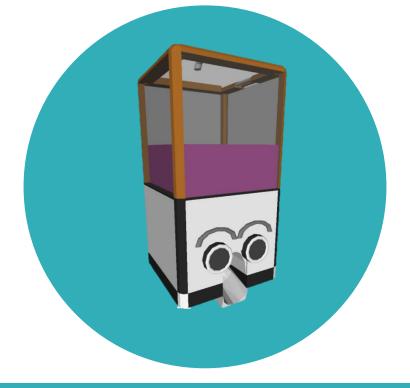
- 01 Detection of Human
- 02 Solution start to flow
- 03 Delay of seconds
- 04 Water start to flow
- 05 Delay of Seconds
- 06 UV Light ON
- 07 Delay of seconds



#### **Used Arduino IDE**

All code is written in C Language with specified comments and well indentation







# ... Handy ... Thank you