



COVID 19 IDEathon Challenge

by

AKTU, Lucknow U.P.

“SANITIZER FOGGING ROBOT”

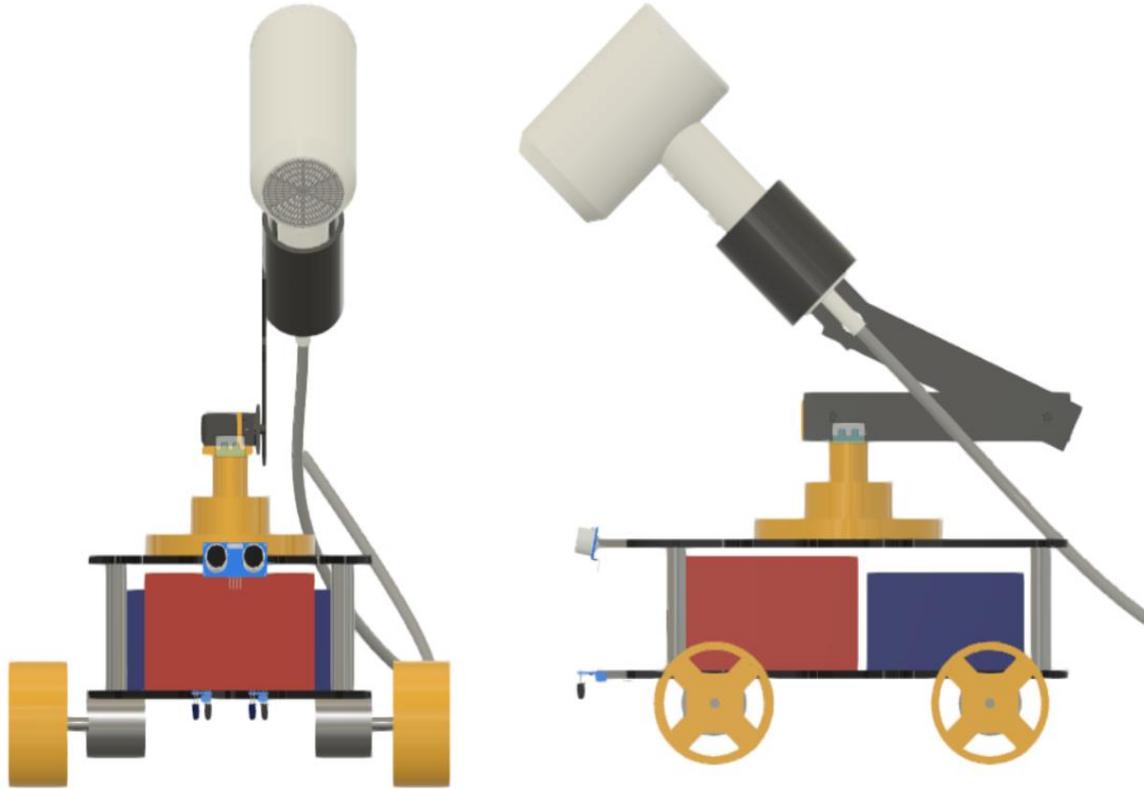
By:- Koshal Sharma

B.Tech (ME) 4TH Year, University Roll No. 1609540013

Mahatma Gandhi Mission’s College of Engineering & Technology

College Code:- 095

A-9, Sector-62, Noida Gautam Budh Nagar (UP) PIN: 201301



Sanitizing fogging Robot

PROBLEM STATEMENT

The sanitation is one of the best method to reduce the effect of virus. **During sanitization process the safety workers also get infected by COVID-19** due to “Insufficient methods of sanitation, the insufficient workers for sanitization at private sectors and public sectors, required more human efforts to perform sanitization process and more time consumptions ”.

IDEA/SOLUTION

To solve many of these problems of COVID-19. I have an idea to make a **Wi-fi based mobile robot** which will be operated by a mobile application. This robot is fully automatic which will be **produce the sanitizer fog** and it can be do sanitization work continuously and more efficiently.

TECHNOLOGY USED

Wire less sanitizer fogging robot is fully automatic and it will be operated by mobile application. It is based on **Wi-fi system, line following system, hair dryer heating system and using sensors** like (IR sensors and Ultra sonic sensors).

IMPACT OF SOLUTION

Help to **reduce the infection of COVID-19** in public sectors and private sectors like classrooms, hospitals, offices, malls, homes, railway stations, etc.

The cleaning/safety workers can **perform sanitization work more easily.**

It will serve the **repetitive activity of sanitization with out negligence.**

Reduce the chances to get infected by COVID -19 to **doctors, nurses, and health workers.**

Reduce the **labor cost, human efforts and time consumption.**

APPLICATIONS

It can be use in **hospital** for critical conditions as well as normally conditions.

It can be use to sanitize the **classrooms** and **offices** where benches and chair can be infected.

It can be used for public services like on **railway stations, airports, police stations, banks, etc.**

It can be use for **houses** to sanitize the **floors as well as rooms** and other application like **grills, doors, etc.**