Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation: Ministry of Housing & Urban Affairs

PS Code: PK1027

Problem Statement Title: Suggest an effective way for tackling the issue of disposal of personal COVID protection equipment which leads to an additional on the city authorities who were already grappling with single use plastic menace.

Team Name: SIMPLY SMART

Team Leader Name: Veeresh K S

Institute Code (AISHE): C-1345

Institute Name: PESCE MANDYA

Theme Name: MedTech / Biotech / HealthTech

Idea/Approach Details

Describe your idea/Solution/Prototype here:

➢ Using UV rays

➢ Arduino programming

Describe your Technology stack here:

➢ Channel 5v relay module with optocoupler

➢ Ozone generator with air blower

➢ Dc12v cabinet door lock electic assembly solenoid

➢ M274 360 degree rotary encoder brick sensor module

➢ Lcd display

➢ Arduino nano

Idea/Approach Details

Describe your Use Cases here

> Hospitals
> Covid care centers
> Research labs
> Testing labs

Describe your Dependencies / Show stopper here

> PPE kits and other medical equipment's need to be kept inside the chamber
> Duration of sterilization is to be set
> Based on the concentration of ozone, the sterilization process takes place
> After the sterilization, the bacteria and viruses are killed

Team Member Details

Team Leader Name: VEERESH K S

Branch BE   Stream ME   Year III

Team Member 1 Name: SRINIVAS M

Branch BE   Stream ME   Year III

Team Member 2 Name: DHEERAJ N U

Branch BE   Stream ME   Year III

Team Member 3 Name: YASHVANTH H

Branch BE   Stream ME   Year III

Team Member 4 Name: THEJAS H S

Branch BE   Stream EEE   Year III

Team Member 5 Name: : M S DEVIKA

Branch BE   Stream ME   Year I

Team Mentor 1 Name: Dr. Srinivasa M R

Category (Academic/Industry):   Expertise (Blockchain)   Domain Experience (in years):   7

Team Mentor 2 Name: Dr. Sadashiva M

Category (Academic/Industry):   Expertise (Blockchain)   Domain Experience (in years):