



## **Dr. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY**

### **Student detail**

**Name-** Shesh Kumar Patel

**Roll No.-** 1750540029

**Course name -** B.Tech

**Branch name-** Mechanical Engineering

**Institutes code and name -**(505) Allenhouse Institute Of

. Technology, kanpur

**Mobile no.-** 9044476144

**Email-** [patelshesh1437@gmail.com](mailto:patelshesh1437@gmail.com)

### **Challenge**

*Developing Suitable Solution For Prevention And Control Of COVID-19 Using Artificial Intelligence Robotics And Drone.*

### **Problem Statement**

**Reducing the infection of covid-19 by breaking the chain of direct and indirect physical contact.**

## Process

- ◆◆◆ With the help of some technical tools we are going to Prevent and control on COVID-19.
- ◆◆◆ We can construct high intelligence robot, drone and automatic water tabs and doors.

- > Artificial intelligence
- > Robotics
- > Drone

## Artificial intelligence

- If assembly of **machine learning** and **IR/UV** sensor assembled in water taps, doors and curtains.
- Then the water tabs, doors and curtains will operate automatically as artificial intelligence.
- Water taps will expel water when the hand would be in range of **sensor**.
- Same as doors and curtains will automatically open when someone **wave hand** in front of curtain and door.

## **Robot and Drones**

- A Four wheel drive robot fully based on artificial intelligence and it has **Obstacle Sensitivity** during covering path.
- Robot cover its path by **Navigation Technology**, the navigation is may of a local area and separate building.
- Using of drones for surveillance system is common but that drones are operated by wireless remote.
- Here we are going to make drone more intelligent by its **Navigation Loop Technology**.
- The motion of drone can be constant and as per required feeding there will two modes one is **Loop Mode** and another one is **Desired Mode**.

## **4- Conclusion**

- By using these technical tools we can make a **bridge** between corona warriors and corona careers.
- Applying automatic water taps and **hand wave operated** door and curtains can break indirect physical contact chain.
- **Advance robotic vehicle** will helpful in periodically delivery of food, medicine and water to the patient as per doctor's instructions.
- With the help of **navigation loop technology** we can cover a large area patrolling, each and every state we can cover by this technology and presence of police man would be less.

**“Government decided lockdown to reduce physical contact and our **Doctors and Police Administration** working as **corona-warriors** and these **technical tools** will work as a bridge between warriors and corona careers and **reduce the infection rate in India.**”**

**THANK YOU**