

## **ABSTRACT**

The COVID-19 pandemic or Corona Virus is a terrible disaster for people around the world. This pandemic involves a very fast-spreading virus called *Orthocoronavirinae*. The spread of this virus is mostly through touching surrounding objects such as money, doors and even through the air when we are driving and while indoors. In this final project, the E18-D80NK sensor is used to detect the movement of people entering the room. In addition, the sensor will trigger the disinfectant that has been installed to carry out the spraying. The software to be used is the ARDUINO IDE. This final project will carry out automatic spraying of disinfectants to prevent the corona virus from spreading. The scenario that will be carried out is when the sensor detects a person who will enter a room, it will read the person entering. In addition, the sprayer will automatically spray the disinfectant without having to touch it. The way to reduce the spread of the Corona Virus is to automatically spray the human body through the E18-D80NK sensor and will automatically count the number of people in the room to avoid crowds. The result is easy to monitor the number of people allowed to enter the room with 100% accuracy.

**KEYWORDS :** COVID-19, Disinfectant, E18-D80NK