



MASK DETECTION & NON-CONTACT TEMPERATURE CHECKUP USING IOT & AI

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Abstract

In this world there are many infectious diseases that humans have known since ancient times. But new diseases of unknown source may arise, like what is happening in our world at this time. The world suffers from the spread of the dangerous Corona virus. And because there are many deaths recorded daily, which made people feel Fearful of catching Corona virus. The government seeks to control the number of cases of infections by putting in place several laws that the citizen adheres to. Among these laws, the most important of which is wearing a face mask, not going out and having contact with others when feeling any of the symptoms of this disease like having high body temperature, and imposing a home quarantine of at least 14 days for those who feel they have COVID - 19. But there is a class of people that do not adhere to the two laws set. From this point of view arose the idea of “Mask Detection & Non-Contact Temperature Checkup using IoT”. This project will contribute to controlling people in violation of the laws. The camera works to detect the face mask, measure its temperature, and then send the violating person’s photo and data to the responsible person. This project relies heavily on the Internet of things and Artificial Intelligence.