**Abstract**

In the current times, the fear and danger of COVID-19 virus still stands large. Manual monitoring of social distancing norms is impractical with a large population moving about and with insufficient task force and resources to administer them. There is a need for a lightweight, robust and 24X7 video monitoring system that automates this process. Because of the worldwide Covid-19 pandemic, flattening the curve for coronavirus cases would be difficult. As a result, maintain a healthy distance between people in public to prevent the virus from spreading. The identification of people with social distance monitoring is presented in this paper as a precautionary measure in reducing physical contact between people. In addition, it detects whether or not the mask is worn. This project aims to detect face masks and social distancing on a video feed using Machine Learning and Object Detection. TensorFlow and Keras were used to build a CNN model to detect face masks and it was trained on a dataset of 3800 images. YOLO Object detection was used to detect people in a frame and check for social distancing by calculating the Euclidean distance between the centroids of the detected boxes.