Social Distancing Alerting System

1. Introduction

1.1 Overview

This project deals with social distancing concept between humans. So basically it takes an image or a video as an input and if the distance is greater than or equal to 2m between any two humans then it is indicated by green colored boxes otherwise red colred boxes.
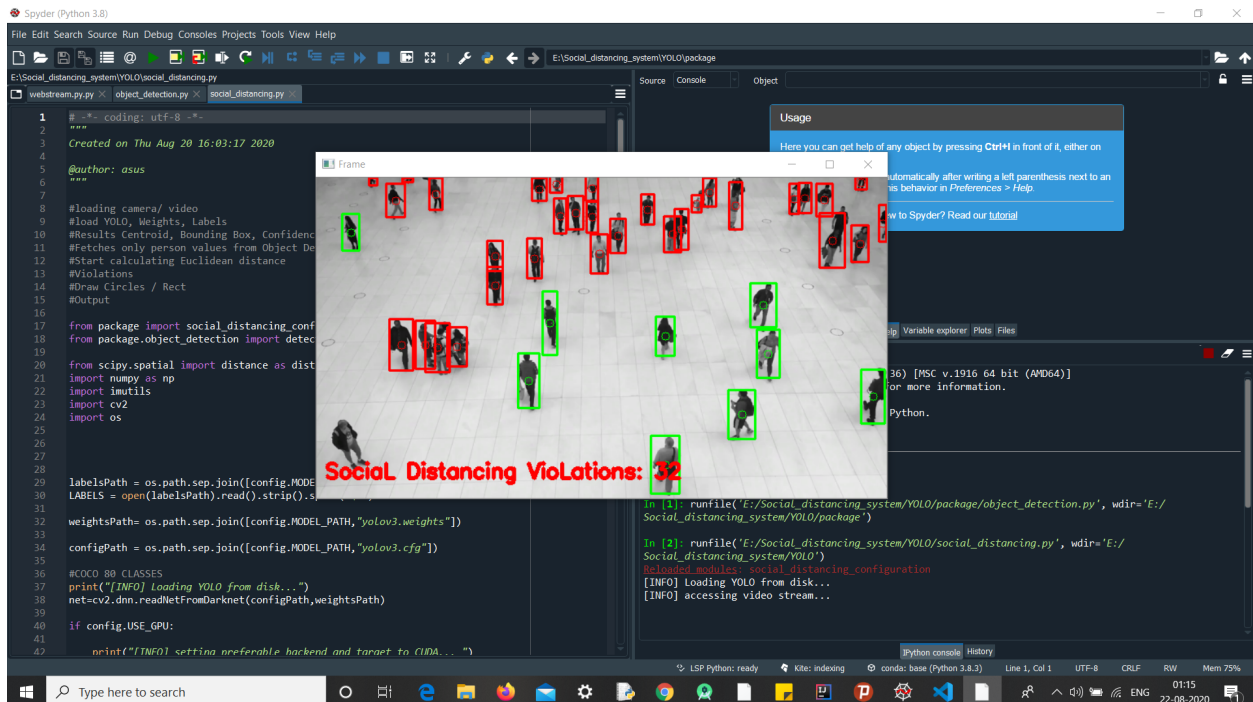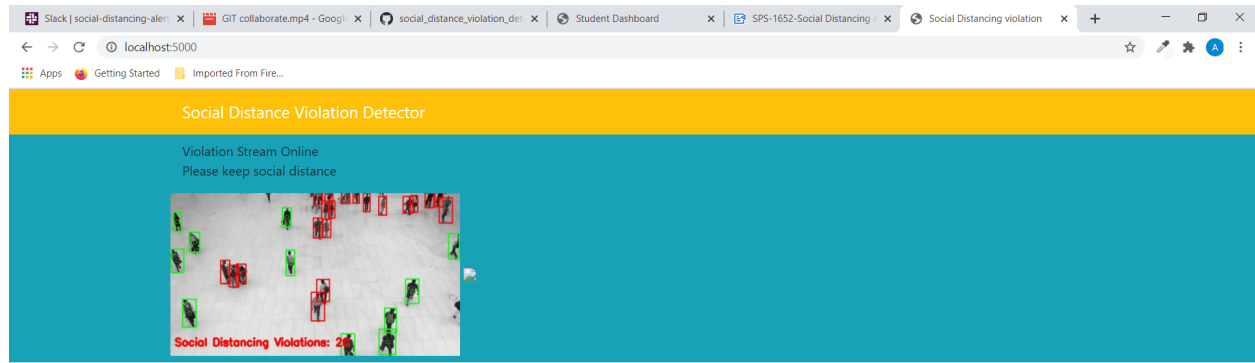It is deployed in flask python web framework.

1.2 Purpose

The purpose of this project is only to detect whether the social distancing rules issued by the govt. due to this COVID-19 pandemic are strictly followed or not.

2. RESULT

2.1 Screenshot with Normal Output

2.2 Screenshot with Flask

3. Applications

This project will be very useful in the future for every industry as they can detect and improve the social distancing between their employees and in public areas as well , the public can be guided to follow proper pandemic guidelines.

4. Conclusion

From this project we can conclude that social distancing norms and rules can be proper followed not only through manual measures but also with the help of digital technologies like machine learning, AI, etc. and can also be improved very drastically.

5. Future Scope

The future scope of this project can be that many additional functionalities and features can be added in this project with help of other digital technologies to improve its accuracy and predictability.