**Real-Time-Face-Mask-and-Social-Distancing-Detector**

**Instructions to run the project:**

* Open <https://github.com/RISHITA13/Real-Time-Face-Mask-and-Social-Distancing-Detector.git>
* Download the code.
* Unzip it.
* Download the **yolov3.weights** from the description in the above github link and move to the **yolo-coco** folder.
* Open the command prompt in your pc.
* Change directory to where you have downloaded this code.
* Install **python3** if you have not, if installed already then it's ok!
* Run the following commands:
* **python3 -m venv venv**

(--create a virtual environment named venv)

* Run the following commmands step by step
* **cd venv**
* **cd Scripts**
* **activate**
* **cd ..**
* **cd ..**
* **pip install -r requirements.txt**
* To run social distancing detector run the following command

**python social\_distance\_detector.py --input pedestrians.mp4 --output output.avi --display 1**

Ctrl+C

To run both Face Mask and Social Distancing Detector in real time

* Install jupyter.
* Open the Real-Time-Face-Mask-and-Social-Distancing-Detector folder in the file explorer.
* Go to path - edit address - and type cmd or cd the folder in the command prompt.
* Run the command - **jupyter notebook**
* The folder is opened in the localhost.
* Click on **final.ipynb**
* Run the file in jupyter notebook.
* The output is displayed in a frame showing mask/no mask and number of social distancing violations.