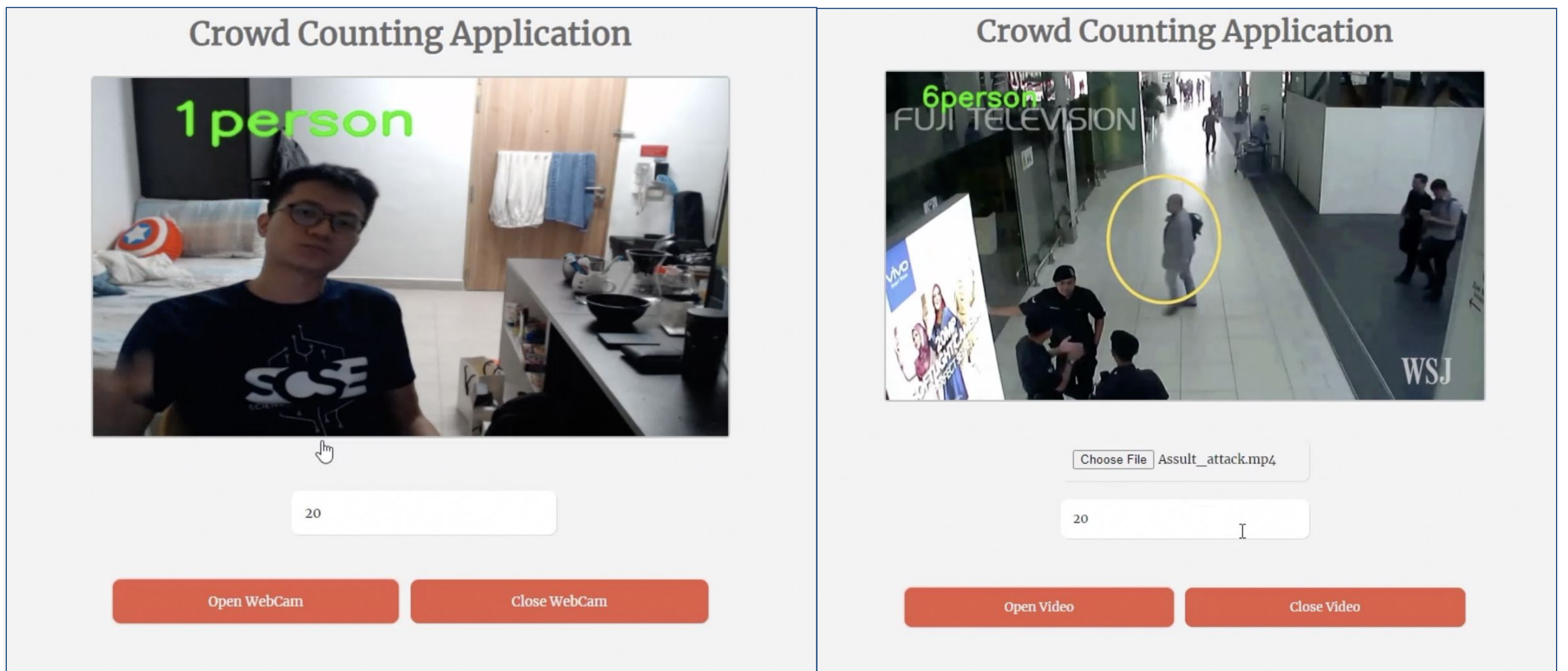


Crowd Monitoring

Using Deep Learning

Student: Tan Rui Ming Raymond

Supervisor: Dr Qian Kemao



Project Objectives:

This project aims to create a crowd monitoring application to reduce the number of resources required to maintain safe distancing in the community during Covid-19. The application uses a SOTA deep learning crowd counting network, SS-DCNet to implement real-time crowd counting. When the crowd level exceeds the allowed threshold number, a warning is displayed to remind them to social distance.

List of functionalities

1. Crowd counting with live stream from web camera
2. Crowd counting on recorded video

Warning message displayed if the threshold is exceeded:

