Summary

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Monitoring social distancing by smart phone App in the Effect of covid-19

Social distancing measures are necessary for many infectious diseases that spreads through droplets and micro droplets. It is not easy to enforce social distance easily in a crowded region and people often not maintain sufficient distance with neighbors. The need for energy-efficient and cost effective social distancing monitoring, this paper proposes smart social Distancing (SSD) mobile application-based monitoring which can predict the social distancing between two people assisted by mobile bluetooth and mobile camera.

SSD involves two major steps to predict the social distance: first the pedestrian in the video frames is identified with the aid of deep Learning (DL) and in the

second step, distance between the two pedestrin in the video frames is identified with the aid of Deep Learning (DL) and in the second step distance between the two pedestrain is estimated through image processing techniques. The application can also be configured to calculate the distance using Bluetooth Low Energy (BLE) by calculate the distance using received signal strength. The application demonstrates 85% accuracy on predicting the distancing and alert the user using beep sound or alert messag.

⇒ our project social distance monitoring system for covid-19 is an open cv base project where there is a vast applications of image processing and video processing SSD encodes two major step which is related to our project.