

Social Distance Violation Detection

Nitin Barsagade¹, Prem Lande², Augustine Stephens³, Mihir Bhokre⁴, Jatin Muley⁵

Assistant Professor, Department of Computer Science and Engineering¹

Students, Department of Computer Science and Engineering^{2,3,4,5}

GH Raisonni Institute of Engineering and Technology, Nagpur, Maharashtra, India

Abstract: *This paper presents a strategy for social distancing location utilising deep learning to gauge the distance between individuals to decrease the effect of the Covid pandemic. This app was created to make individuals aware of keeping a protected distance with one another by assessing a video feed. The video outline from the camera is utilised as information, and the item identification model in view of the YOLOv3 calculation was utilised for pedestrian location. The distance between individuals can be estimated and any disregarding sets of individuals in the showcase will be shown with a red casing and red line. The proposed strategy was approved on a pre-recorded video of people on foot strolling in the city. The outcome shows that the proposed technique can decide the social separating measures between various individuals in the video. The created strategy can be additionally evolved as a recognition based application.*

Keywords: Social Distancing, Human Detection, Deep Learning, Convolutional Neural-Networks.

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