IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
Volume 2, Issue 3, May 2022
Impact Factor: 6.252

Social Distance Monitoring and Face Mask Detection Using Machine Learning

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Abstract: *In the fight against the Corona, social distancing and wearing face mask has proven to be a very effective measure to slow down the spread of the disease. People are asked to limit their interactions with each other, reducing the chances of the corona being spread with physical contact. In past AI/Deep Learning has shown promising results on a number of daily life problems. In this proposed system we will see the detailed explanation of how we can use Python, Computer Vision and Deep learning to monitor social distancing at crowded places. To ensure social distancing protocol in public places, the social distancing detection tool that can monitor if people are keeping a safe distance from each other by analyzing real time video streams from the camera, Monitoring People at crowded places we can integrate this tool to their security camera systems and can monitor whether people are keeping a safe distance from each other or not. The Proposed system focuses on how to identify the person on image/video stream whether the face mask is wear or not with the help of deep learning algorithm. This system works very effectively and efficiently in identifying the social distancing between the people, peoples are wearing face mask or not and generating the alert that can be handled and monitored.*

Keywords: Mask, Social Distance

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