

Face Mask Detection using Deep Learning

Om Mojad¹, Shubham Basule², Shashank Joshi³, Pawan Mane⁴
NBN Sinhgad School of Engineering, Pune Maharashtra, India^{1,2,3,4}

Abstract: *Latterly the widespread outbreak of the Coronavirus (COVID-19) has brought Global crisis with its deadly spread and has put the world to a halt. During this pandemic situation, World Health Organization (WHO) has made masks and social distancing compulsory to protect against the deadly virus. These are the necessities of today's world we lived in a few months prior is completely different than what it is now. Our project mainly focuses on detecting if the people around are wearing masks or not. Due to hardware restrictions, we used video analytics for monitoring people.*

Keywords: Coronavirus, etc.

REFERENCES

- [1] Gayatri Deore, Ramakrishna Bodhula, Dr. Vishwas Udpikar, Prof. Vidya More, "Study of, Masked Face Detection Approach in Video Analytics" 2016 Conference on Advances in Signal Processing (CASP) Cummins College of Engineering for Women, Pune. Jun 9-11, 2016.
- [2] N. Singh Punn, S. K. Sonbhadra, S. Agarwal, Monitoring covid-19 social distancing with person detection and tracking via fine-tuned yolo v3 and deep sort techniques, arXiv pp. arXiv-2005(2020)
- [3] Rucha Visal, Atharva Theurkar, Bhairavi Shukla, Monitoring Social Distancing for Covid-19 Using OpenCV and Deep Learning, p-ISSN: 2395-0072, International Research Journal of Engineering and Technology (IRJET).
- [4] Mayur D. Chaudhari¹, Archana S. Ghotkar, A Study on Crowd Detection and Density Analysis for Safety Control, Volume-6, Issue-4 E-ISSN: 2347-2693, International Journal of Computer Sciences and Engineering.
- [5] Rinkal Keniya, Ninad Mehendale, Real-time social distancing detector using social distancing Net19 deep learning network.
- [6] Md. Abdur Rahman and M. Shamim Hossain, Nabil A. Alrajeh, Fawaz Alsolami, Adversarial Examples-Security Threats to COVID-19 Deep Learning Systems in Medical IoT Devices.