

Real-time Face Mask Detection System using MobileNetV2 and OpenCV

An internship report submitted in partial fulfillment of the requirements for the

Award of Degree of

BACHELOR OF TECHNOLOGY

in

INFORMATION TECHNOLOGY

by

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CERTIFICATE

This is to certify that the Internship report entitled “**Real-time Face Mask Detection System using MobileNetV2 and OpenCV**” being submitted by “**Vaishnavi Bandaru**” Y20AIT408 is work done by him/ her and submitted during 2023–2024 academic year, in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY in INFORMATION TECHNOLOGY**, at “**Techgyan Technologies**” from **10 May 2023** and **10 July 2023**

Department Internship Coordinator

Head of the Department

DECLARATION

I hereby declare that the dissertation entitled **Real-time Face Mask Detection System using MobileNetV2 and OpenCV** submitted for the B. Tech Degree is my work and the dissertation has not formed the basis for the award of any degree, associates, fellowship or any other similar titles.

Place: Bapatla

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Reference: <https://tech-gyan.in/>

External Guide details

My project external guide is **Ms. Sonam Sherwal**, who is the program coordination. She has helped me throughout the process of the project in a professional way. I have learned a lot of things from her during the process.

ABSTRACT

This report consists of a brief explanation about the Face Mask Detection Application. I have recently observed that there is a problem in making people wear face masks during and after the pandemic. Based on that situation I have developed this application which detects a person's face with a camera and tells whether the person is wearing the face mask or not considering public health and medical services.

This project helps people's wellness and public health. It may also very useful in hospital services where there is a high chance of transferring of several infections and diseases through nose and mouth. My application makes it easier to detect the face mask of people in an efficient way.

Keywords: Face Mask, public Health, pandemic, camera, detection

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