



FINAL YEAR PROJECT REPORT

**AN ALGORITHM DESIGN FOR FACE MASK
DETECTION**

**In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)**

By

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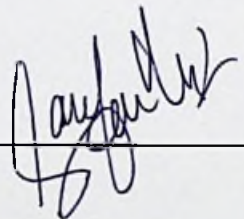
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SPRING-2021

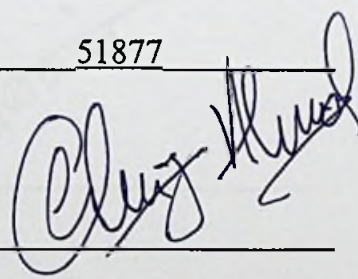
DECLARATION

We herewith affirm that this project report is constructed on our unique work except for citations and quotations which have been duly admitted. We also affirm that it has not been earlier and concurrently presented for any other degree at Bahria University or other organizations.

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AN ALGORITHM DESIGN FOR FACE MASK DETECTION

ABSTRACT

The COVID-19 pandemic is causing a worldwide wellbeing emergency so the powerful insurance strategies is wearing a face cover in open regions as indicated by the World Health Organization (WHO). The COVID-19 pandemic constrained governments across the world to force lockdowns to forestall infection transmission. Reports show that wearing facemasks while at work plainly diminishes the danger of transmission. A proficient and financial methodology of utilizing AI to establish a protected climate in an assembling arrangement. A cross breed model utilizing profound and traditional AI for face cover discovery will be introduced. A face cover identification dataset comprises of with veil and without cover pictures, we will use OpenCV to do continuous face recognition from a live stream by means of our webcam. We will use the dataset to construct a COVID-19 face mask detector with PC vision using Python, OpenCV, and Tensor Flow and Keras. Our objective is to distinguish whether the individual on picture/video transfer is wearing a face cover or not with the assistance of PC vision and profound learning. This framework is intended to modify the organization for an individual client. Proposals for future turn of events and ends are likewise remembered for the report.

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