

MAJOR PROJECT

FACE MASK DETECTION

Machine Learning

SUDENT DETAILS

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PROJECT OBJECTIVE

To Create Using Python based Programming Language to Face Mask detection on Machine learning and AI model .

PROJECT REQUIRMENT

- **Project Type:-** Major Project
- **Programing Language Used :-** Python
- **IDLE Used:-** JUPYTER NOTEBOOK
- **Libraries used:-** Keras, Tensorflow, MobileNet and OpenCV, Numpy, Matplotlib.

WORKING

In This Project we used in real-time application which require face-mask detection for safety purposes due to the outbreak of Covid-19. This project can be integrated with embedded system for application in airports, railway stations, offices, schools, and public places to ensure that public safety guidelines .

The face mask detector didn't use may morphed masked images dataset. the model is accurate, and since the MobileNetV2 architecture is used.

FUTURE COURSE OF ACTION

In future we will also see how to apply this model on a live Video Camera. With further improvement these types of models could be integrated with CCTV cameras to detect and Identify people with mask or without mask.