

FACE MASK DETECTION

K.Satwika - 18WH1A0232

R.Mahima Sree - 18WH1A0585

R.Devi - 18WH1A0589

B.Akhila - 18WH1A0528

D.Harika - 19WH5A1201

BVRIT HYDERABAD College of Engineering for Women

May 29, 2021

Contents

- Problem statement
- Description
- Model
- Technical Stack
- Challenges faced
- Demo

Problem Statement

- As the coronavirus is spreading rapidly, the World Health Organization has suggested to maintain social distance and to wear facemasks. In support of the ongoing fight against this infectious disease, we are motivated to generate new insights, by providing information about the people who don't wear facemasks, using deep learning techniques.

Description

- Our project is to prepare a model which would detect whether a person on the camera is wearing a Face Mask or not.

Model

- Mobilenet

Technical Stack

- OpenCV
- Tensorflow
- Keras
- Transfer Learning(technique)

Challenges faced

- Detecting the face
- Classifying whether the person is wearing mask or not

GitHub Link

<https://github.com/SatwikaKapula/face-mask-detection.git>

Demo