

Project Idea and Description:

Project Title: Face Mask Detection

Due to the Covid-19 at the moment, People have to wear masks to stay safe, there is no efficient mask detection application that is currently in high demand to ensure the safety of means of transportation, densely populated areas, residential districts, larger producers, and other enterprises. Also at the entrance of shopping malls, airports need to use a face mask detector for safety.

This system can therefore be used in real-time applications that require mask detection for protection due to the prevalence of Covid-19. This project can be integrated with embedded systems to ensure that the airport, railway station, office, shopping malls, school, and public safety guidelines are followed.

This project helps to spread awareness among the people by using face masks properly. It identifies the facial mask of your face whether the person is hiding his face by the mask. It also makes sure that the face mask covers your face properly, both nose and mouth.

Currently, the most useful and beneficial thing is the face mask which protects us from many harmful viruses besides corona. There is no substitute for masks to prevent epidemics like Covid-19. But most of the people in Bangladesh do not wear masks so the infected people can easily spread the disease among others. Also, many criminal activities take place while wearing a mask, so a Face mask detector is very much needed in Bangladesh to find out whether a person is wearing a mask or why.

In this project, I will do the task of dataset pre-processing. I will collect related papers on this project and I will help other group members to write the report for this project. I will also work with Keras and Tensorflow.

I think it may take about 30 days to complete the project within this semester.