



FIRE ALARMING SYSTEM

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Abstract :

- To detect fire using a web-camera in a workplace.
- In case of fire, it notifies everyone with an alarm.
- It also sends a notification to the people and nearby fire station.



Goals/objective :



- The main objective is to provide safety and protection to people and property from fire(if detected) by constantly monitoring the workplace.



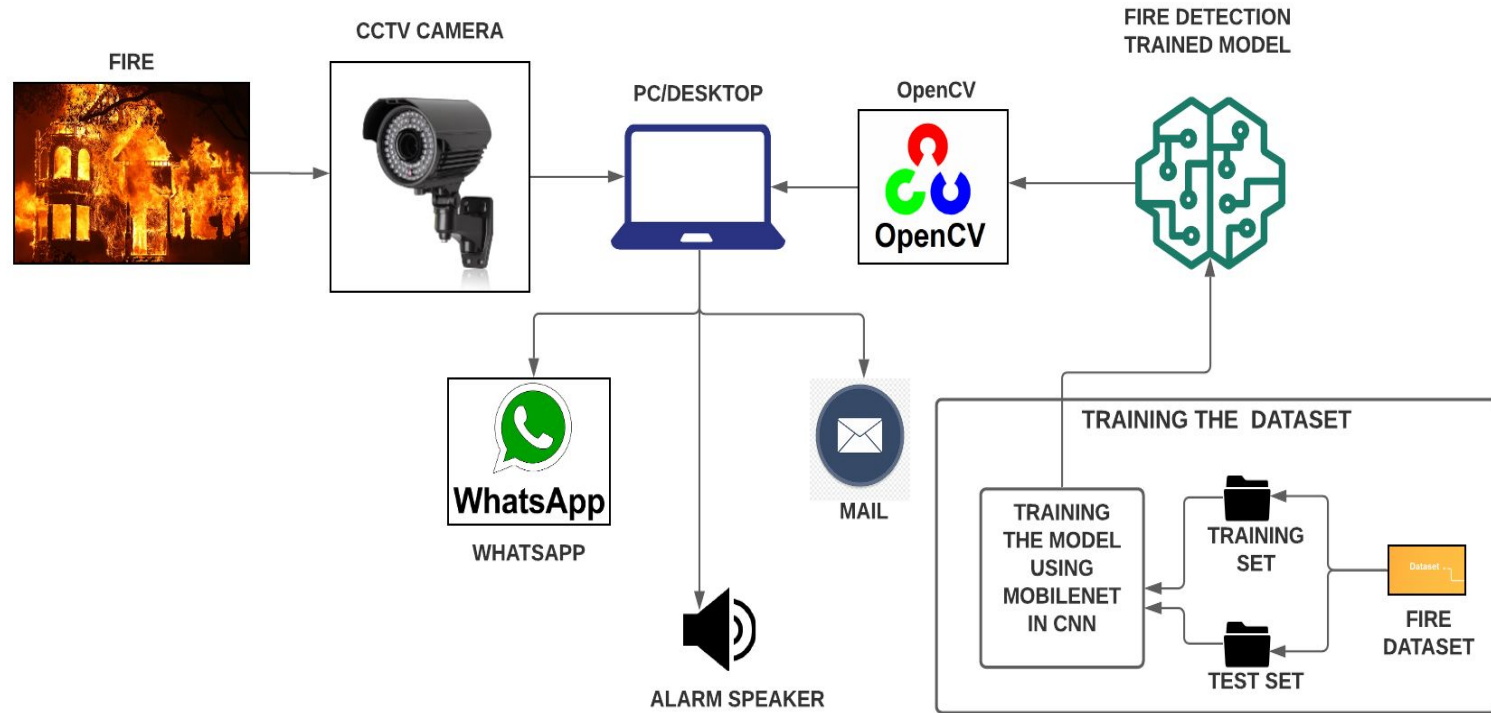
Overview :

The FAS(Fire Alarming System) checks if the videostream captured by the camera has fire in it. If the fire is monitored to be growing for more than 2 frames, the alarm goes on and the text messages are sent to the nearby fire station through mail and whatsapp.

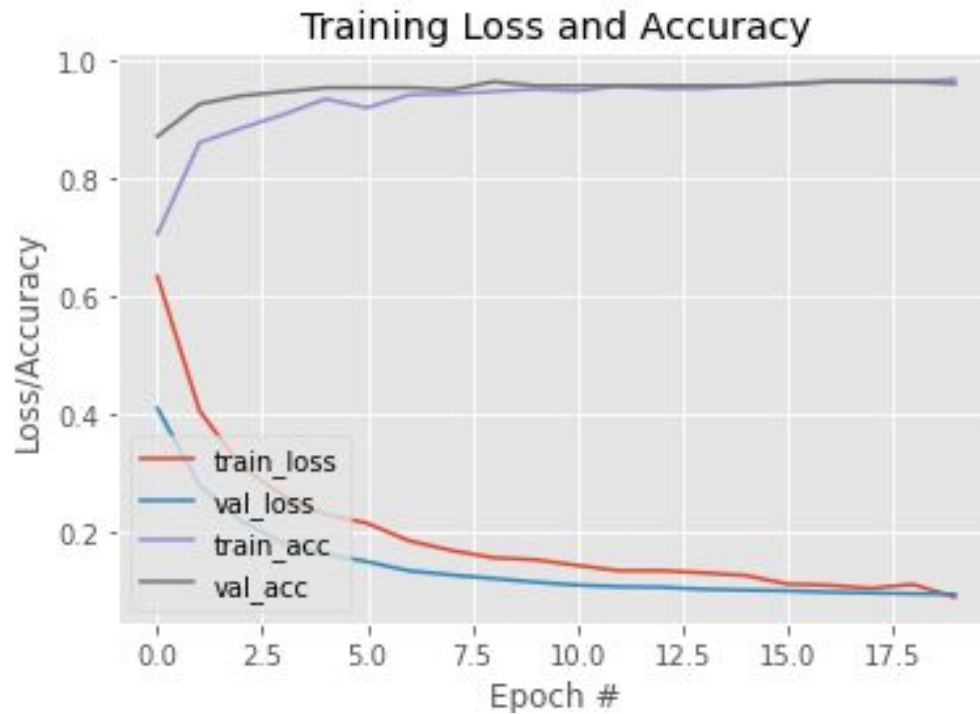
FILE DESCRIPTION:

1. Fire Alarming System-Training file contains the code to train the model(MobileNetV2 is used).
2. Fire Alarming System-Implementation file has the code that turn on the camera and monitors for fire.
3. fire file has the weights of the trained model.

Architecture :



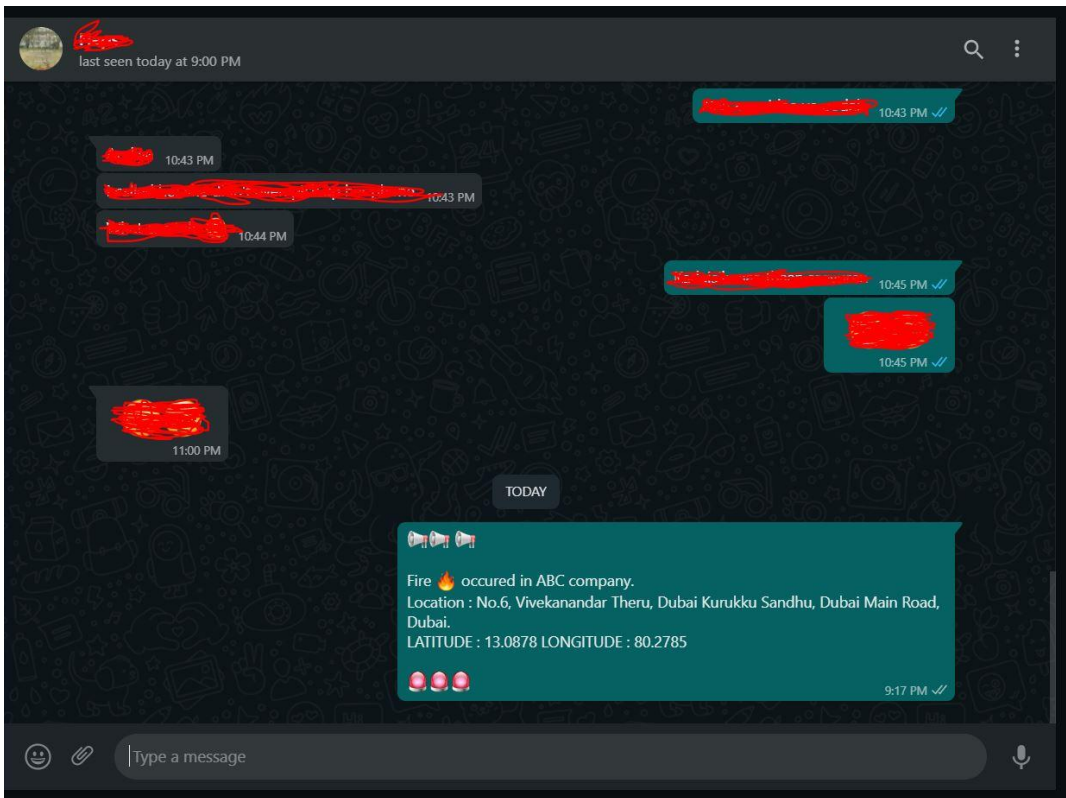
Performance evaluation metrics :

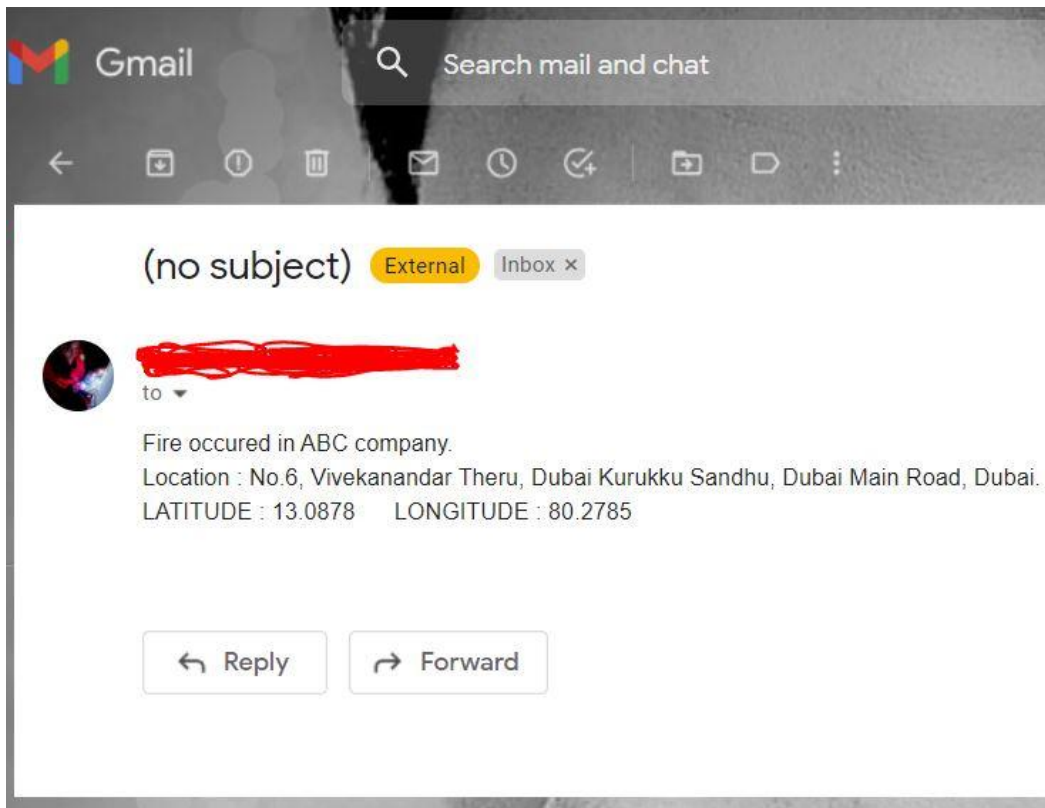




Implementation :







Thank You!

