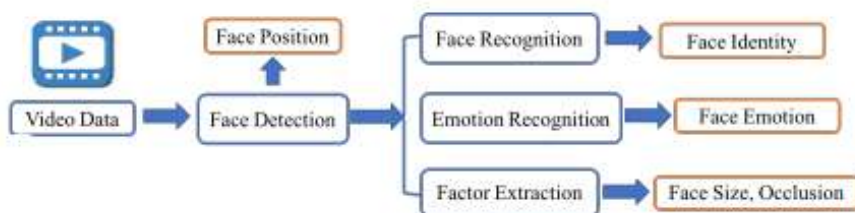# ADVANCE MACHINE LEARNING
TOPIC: ATTENTIVENESS WITH ATTENDANCE SURVEY MODEL USING FACE RECOGNITION
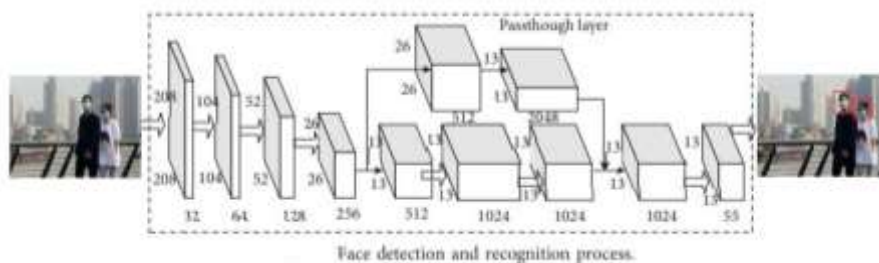
Done by:
Chandana MN   Rupa sravya. B

Introduction

•The conventional method of taking attendance is done manually by the teacher or the administrator which requires considerable amount of time and efforts also involving errors and proxy attendance.

•In this drastic increase in number of students it will be hard for to teachers to give attention to all the students at once, and keep eye on every student.

•Some students may understand things at once but some may not understand and they may be shy to ask questions in front of everyone So the student may not talk and keep the doubt to himself, but if a teacher notices that the teacher will approach the student and make them speak.

•Based on the training given to the model it will predict the attentiveness of students which help relation between student and facility

•This can be used as a type of feedback which will help the teacher to improve their teaching strategies based on students expression in class and it also help teachers to give feedback on students. It will help both students and teacher to improve.
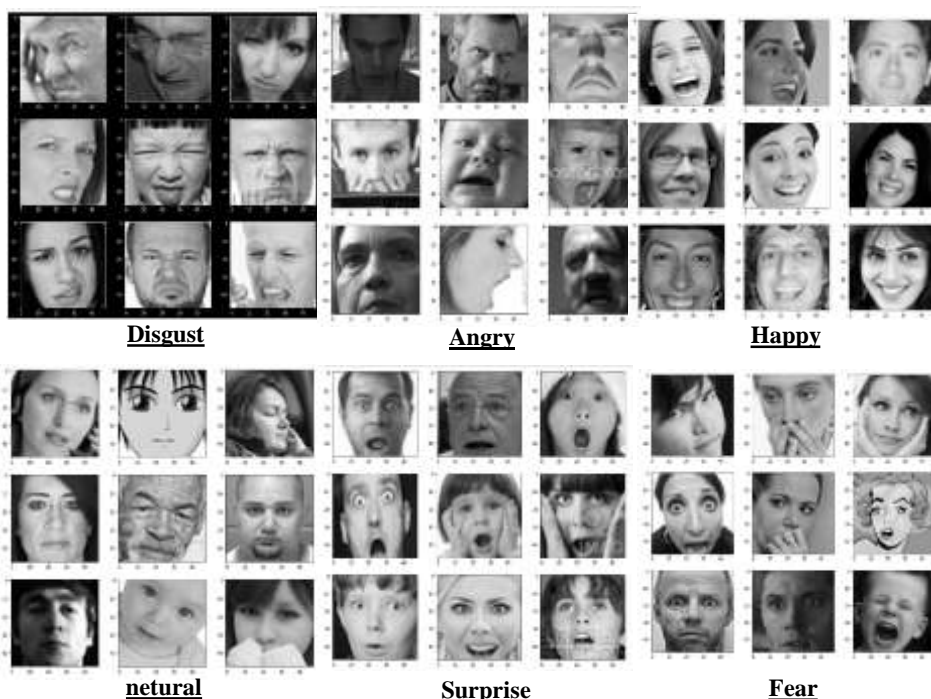
Methods

Face detection Network

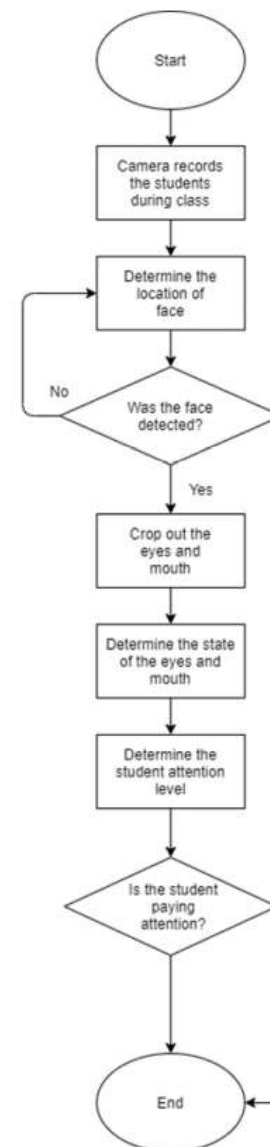Face detection and recognition process.

Facial expression recognition Dataset

Disgust　　**Angry**　　**Happy**

netural　　**Surprise**　　**Fear**

Results

Input:

Block diagram

Output:

Conclusions

The number of students are significant and by using facial expression recognization predicts the students attentiveness in class and also which improves the relation between lecture and students. our proposed method achieves a better balance between accuracy and speed