

ABSTRACT

TITLE: Automation of Attendance using facial recognition.

Problem: Now a days taking of attendance for teachers has become a difficult task as some of the students using proxy attendance techniques like renaming and reporting attendance for their friends, so to avoid this our group has come up with an idea to overcome this issue.

Solution: Attendance of a class is given by the screen shot of the participants present in meet using facial recognition.

- A facial recognition system is a technology capable of matching a human face from a digital image or a video frame against a database of faces.

Technologies used:

- Python (3.9)
- Modules used:
 - i. dlib
 - ii. open cv
 - iii. face-recognition
 - iv. numpy
 - v. os
 - vi. cmake

Conclusion: To conclude, the teacher will receive a spreadsheet of the attendees present in the meet by running our code, they just want to place the screenshot in the folder where code is present. We want to develop our code into a GUI application in upcoming semesters so using it will become easy.