



# PYTHON PROJECT

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**CHAITHANYA INDELA**

KRISHNA BABU

KRISHNA SAMPATH

NIVED KRISHNA



## Overview

The system implemented using python will allow faculty to poll the attendance seamlessly using face cam of the student devices.

## Goals

1. Creating a interface for capturing and training the images of the student
2. Separate section for tracking the images and registering the attendance.
3. Excel file is provided for the daily attendance taken.

## Technology used

- HTML/CSS
- FIGMA
- FLASK
- MYSQLDB
- PYTHON
  - Opencv-python/Openencv-contrib-python
  - tkinter
  - Pandas
  - Numpy
  - Trainner.yml
  - pillow

## Future plans

1. App development under progress

<https://www.figma.com/file/rIt7QJOCBAk68rH7mnfS47/FACE-RECOGNITON-SYSTEM?node-id=0%3A1>

2. Providing different excel sheets for separate faculties for smoother experience.
3. Providing a server turn on interface for faculties to improve the experience.
4. Allowing student to check his own Attendance percentage
5. Creating student login if required.

## CREDITS

<https://www.pyimagesearch.com/>

<https://www.geeksforgeeks.org/python-face-recognition-using-gui/>

<https://www.youtube.com/watch?v=ibf5cx221hk>

<https://www.youtube.com/watch?v=A6464U4bPQ>

## STEPS TO FOLLOW

FOLLOW THE INSTRUCTIONS IN readme.txt