



Description

In this highly accelerated world with increased number of people in an unpredicted way, we need always a new system to check people attendance to their work, universities, schools, and markets ...etc. We used alots of old method and they are all hard to collect data easily and accuretly, so we plan to take a good challenge in our market to make a new system that can check attendance without need any special device either your used camera, like laptops and so on. This new technology using Artificial Intelligence, face recognition , and convolutional neural network to predict and choose what is the user person name and time of check-in or check-out depend on their faces was matched with saved data by management system in our database. Also, you can review all of this data easily, fastly and accurately anytime and anywhere.

Main goals

The main goal of this product is will help companies, markets and univirsity ...etc. in their attendance system with cheap divices like daily webcam used in laptop or another used camera and it have a high accurecy to do functions like check-in and check-out then you review these stored data anytime and anywhere throw any devices that only connected to the browser to know how is your employees performance depend their time attendance and help your company to profisionlize the work and excel it by more comittmenet from user side using the latest artificial intellgnece technologies and face recognition.

The goals of this project can mentioned like below:

- 1- Using face recognition for attendance system.
- 2- Check-in and check-out your users (employees, students and ...etc.) without needs to touch any device.
- 3- The whole idea will help company to record attendance remotely not only for local use.

Kinds of users

- 1- Admin: can add users with their image to predict by face recognition system. Also, admin can view, edit, delete and show the reports in table for the checked-in and check-out users with their exact date and time of attendance for each day.
- 2- Users (Employees, students...etc.): they can check-in and check-out by their face to record their attendance to the company.
- 3- Visitors: they can request demo's to test for their companies and the can contact us.

Features

- 1- Posting (adding) new users.
- 2- Edit, view and delete users.
- 3- Encoding for users images to let machine work better with face recognition.
- 4- Check-in using face recognition.
- 5- Check-out using face recognition.
- 6- View users date checked-in and check-out date and time using dashboard with tables.
- 7- Normal visitor can request a demo and contact us by connected form with dashboard.

Technologies

Python, Django framwork, OpenCV, MySQL, HTML, Css, JavaScript and Bootstrap.