



Face Recognition and tracking Attendance

- Prabhakar Jha

Few details about algorithms & libraries used for FACE RECOGNITION and TRACKING ATTENDANCE

TECHNOLOGY USED:

- 1) tkinter for whole GUI
- 2) OpenCV for taking images and face recognition
- 3) CSV, Numpy, Pandas, datetime etc. for other purposes.
- 4) Haarcascade classifier/Algorithm is used to detect object in other images.

GUI

2022

Face Recognition and Tracking Attendance

28-May-2022 | 13:18:32

For New Registrations

ID No.

Clear

Name

Clear

Capture Images & Save Profile

capture Images

Save Profile

Overall Registrations : 0

For Already Registered

Take Attendance

Attendance

ID	NAME	DATE	TIME
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EXIT

Demo

Registration

Register yourself using Id and Name.



Face
Detection

Capture Image.



Save

Save profile using Password.



Attendance

Take Attendance via Recognizing the Face.



Save

Save Attendance.

Registration

2022

Face Recognition and Tracking Attendance

28-May-2022 | 13:19:02

For New Registrations

ID No.

123

Clear

Name

PRABHAKAR JHA

Clear

Capture Images & Save Profile

capture Images

Save Profile

Overall Registrations : 0

For Already Registered

Take Attendance

Attendance

ID	NAME	DATE	TIME
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EXIT

Face Detection



Save Profile

2022

Face Recognition and Tracking Attendance

28-May-2022 | 13:21:04

For New Registrations

ID No.

123

Clear

Name

PRABHAKAR JHA

Clear

Images Taken for ID : 123

capture Images

Save Profile

Overall Registrations : 0

For Already Registered

Take Attendance

Attendance

ID	NAME	DATE	TIME
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EXIT

Face Recognition



Save Attendance

Taking Attendance



PRABHAKAR JHA

Save Profile

Total Registrations till now : 1

Attendance Tracking Attendance

y-2022 | 13:22:23

For Already Registered

Take Attendance

Attendance

ID	NAME	DATE	TIME
123	PRABHAKAR JHA	28-05-2022	13:23:24

EXIT



Thank you