

APPROACH DETAILS :

Ministry Category : Dte of IT & Cyber Security, DRDO

Problem Statment : Video based dynamic human authentication system for access control

Problem Code : CK107

Team Leader Name : Kapil Londhe.

College Code : 1-3517156853

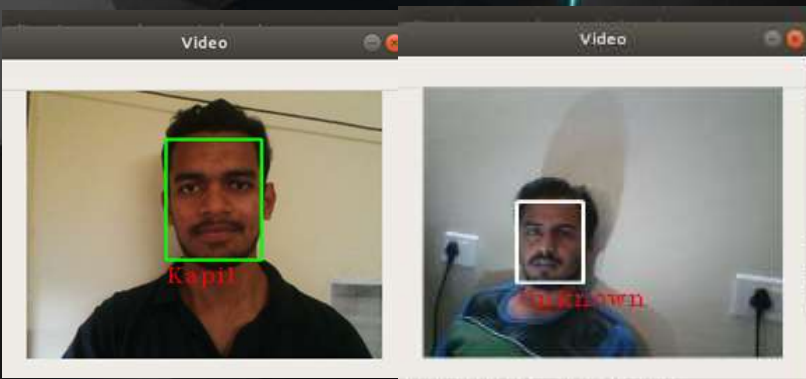
IDEA :

- The idea is to design a system which will detect and recognize people entering the gate. Dynamic human recognition is done with the help of deep learning model. In case of unauthorised entry, an alert will be generated to the concerned authority. An entry log of visitors with their images will be maintained.

PROTOTYPE :



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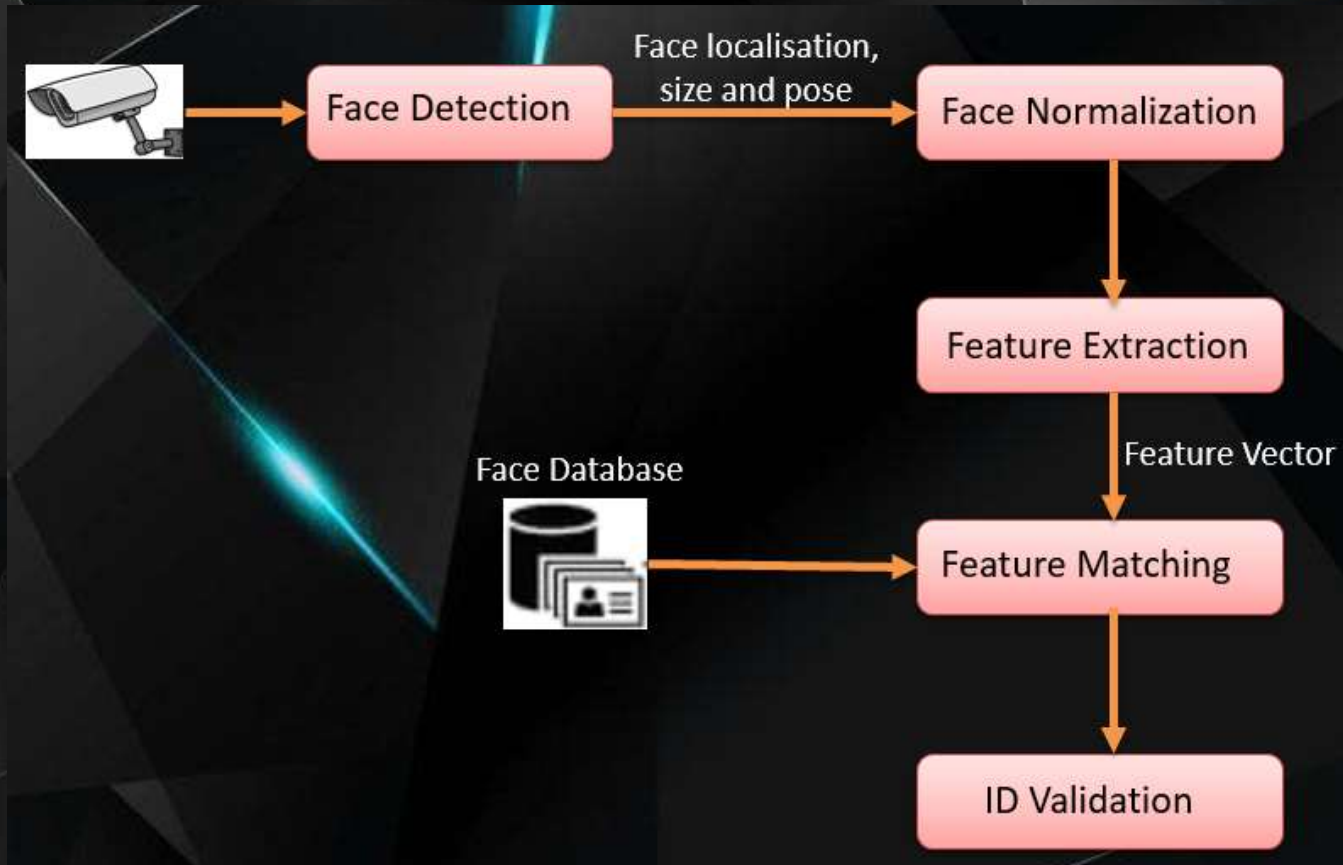
```
mysql> select * from Entry_List;
```

serial_number	Name	Time	Verified	photo
1	Kapil	2020-01-05 17:51:38	1	C:/users/public/Desktop/kapil_021.png
2	UNKNOWN	2020-01-05 17:53:20	0	C:/users/public/Desktop/UNKNOWN_025.png
3	Rohit	2020-01-05 17:54:04	1	C:/users/public/Desktop/rohit_029.png
4	UNKNOWN	2020-01-05 17:57:39	0	C:/users/public/Desktop/UNKNOWN_034.png
5	chintanani	2020-01-05 17:55:14	1	C:/users/public/Desktop/chintanani_035.png

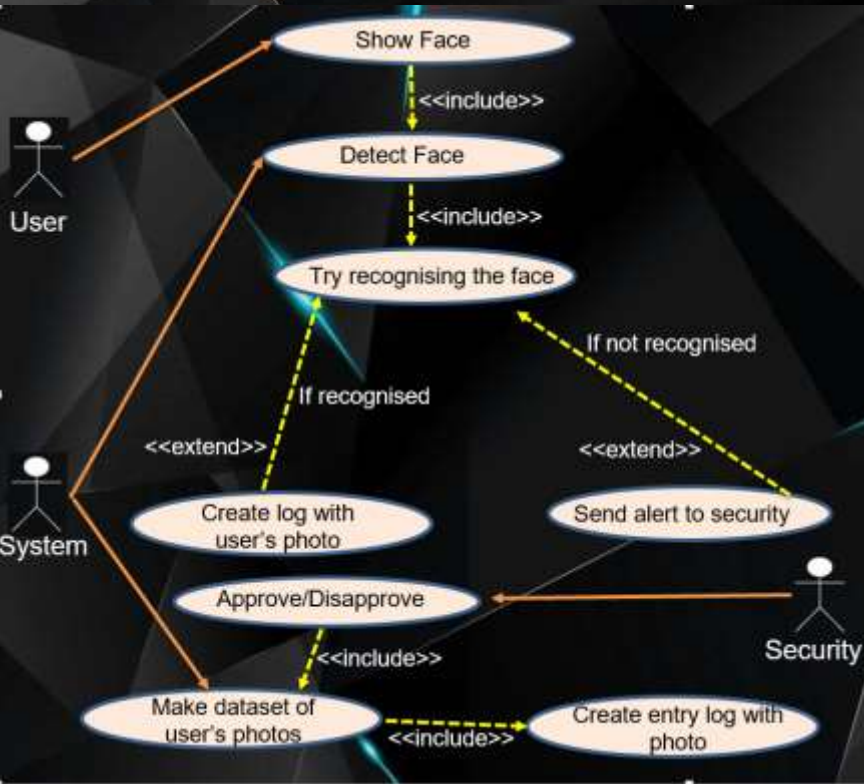
```
5 rows in set (0.00 sec)
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TECHNOLOGY STACK :

- OpenCV.
- GPU Server
- Python(Tkinter).
- TensorFlow.
- NoSql(MongoDB).
- RDBMS(MYSQL).

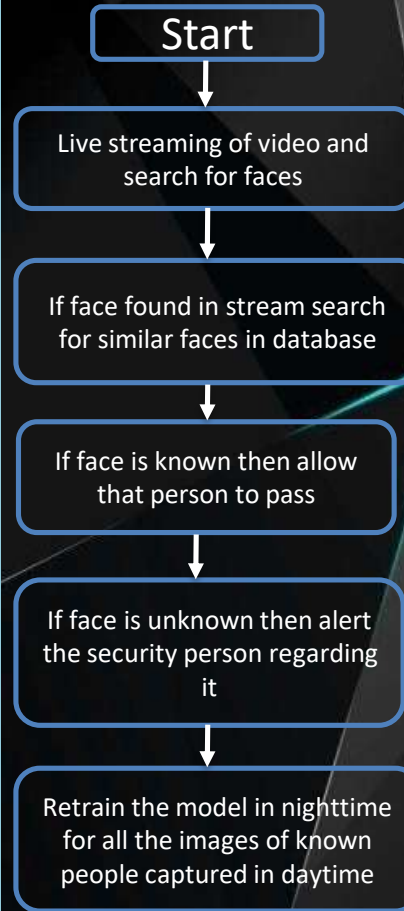


USE CASE :



DEPENDENCIES :

SYSTEM:



SECURITY:

