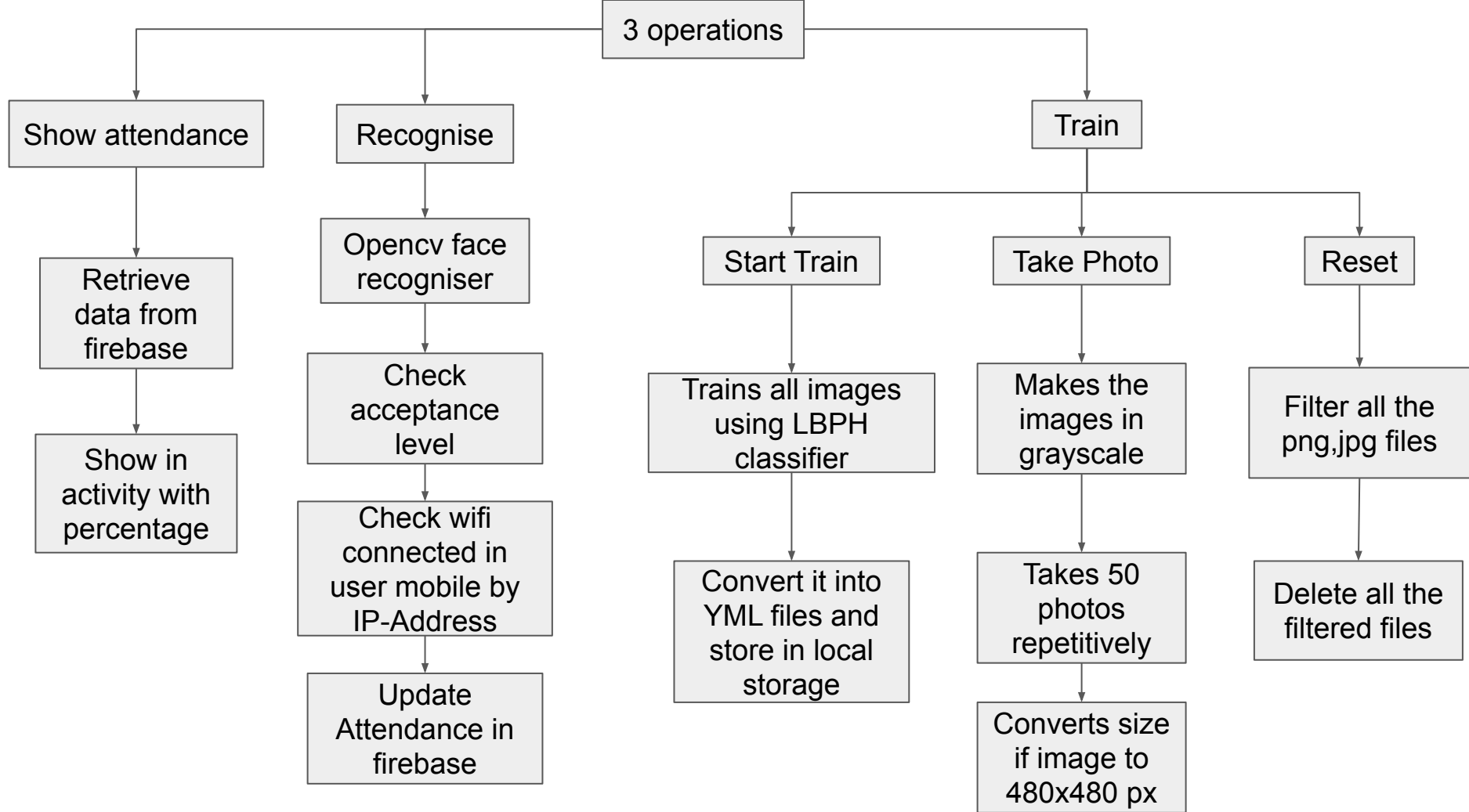


Team Name :- Coding Devils

Team Members:-

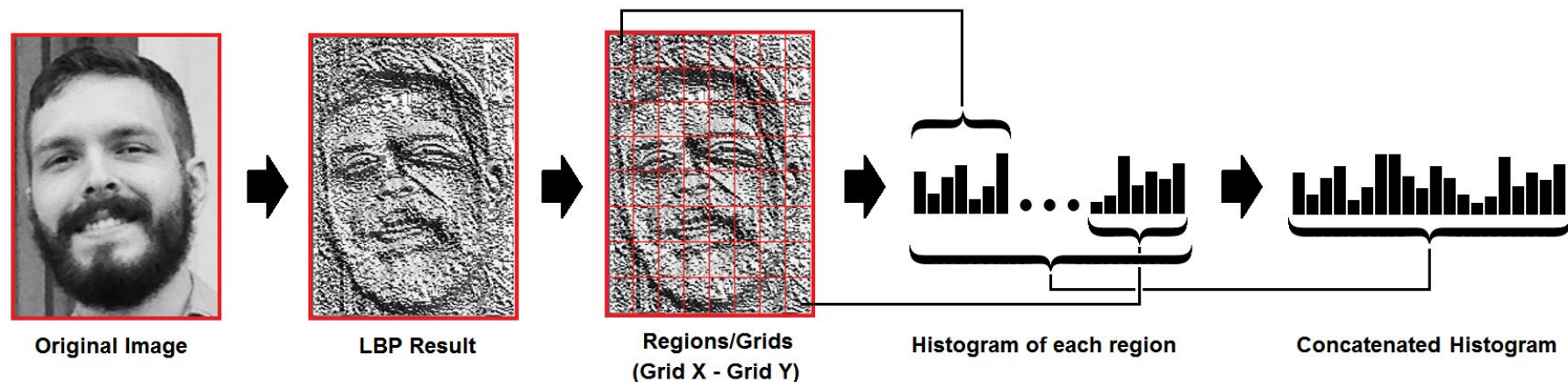
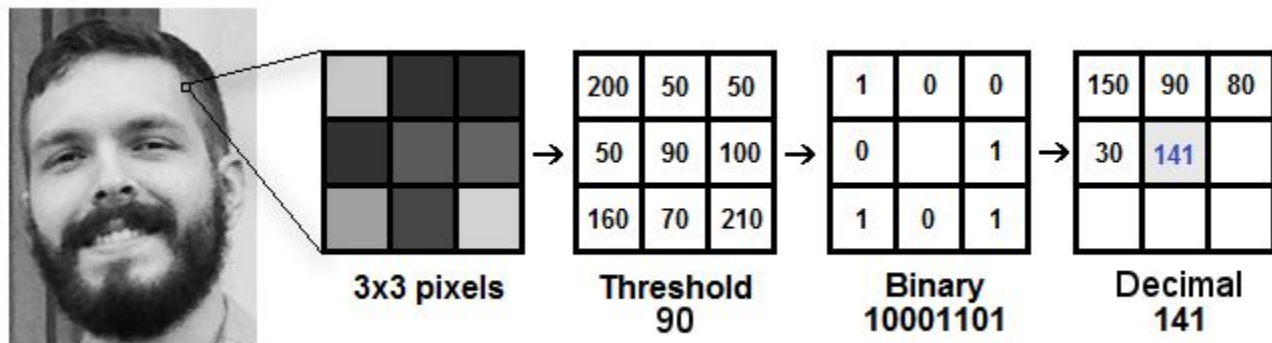
- 1) Vishal Kriplani (RCOEM)
- 2) Piyush Chotiya (RCOEM)
- 3) Kunal Khadkeshwar (RCOEM)
- 4) Krunal Pande (RCOEM)
- 5) Nachiket Satpute(RCOEM)
- 6) Aditya Sharma (RCOEM)

(Work is equally distributed so no specific work for individual is written.)

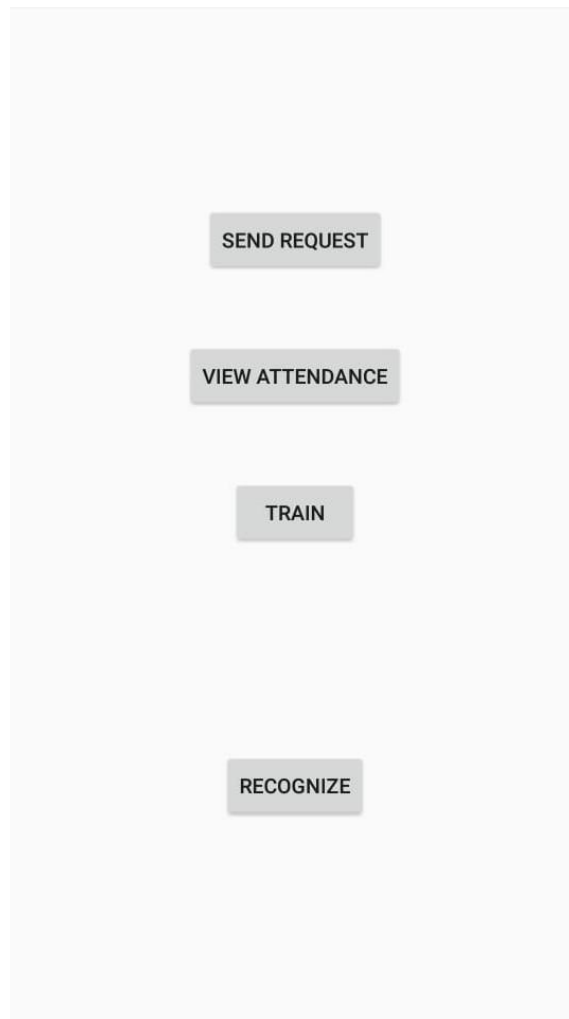


How Face Detection Works:-

LBP(Local Binary Pattern) Algorithm



Screenshots:-

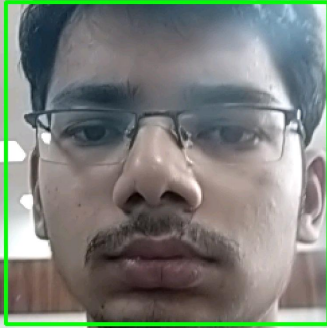


9:06 AM | 0.4KB/s



iFace

Y Know You - 35,2164



9:07 AM | 1.9KB/s



iFace

Location Authorization
Module

Current
Status

Attendance
posted
successfully

SCAN QR

9:06 AM | 0.0KB/s



iFace

Your Attendance: 10

Tech Stack:-

- 1) Android
- 2) OpenCv api (Java) for facial recognition.
- 3) Firebase for data storage.

How system is scalable and efficient :-

- 1) Training on device itself.
- 2) All Validations on device itself.
- 3) Realtime efficient database is used (Firebase).
- 4) Reliability because of two factor confirmation (facial recog and wifi location).

Future Work :-

- 1) Accuracy of Face Recognition Algorithm can be improved.
- 2) Multiple Account Support.
- 3) High Accuracy GPS Location.
- 4) Reduce User's Training Effort using Video Capture and Frame Extraction.