IOT PROJECT REPORT

Public space surveillance system

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MOTIVATION

- With the increasing number of attacks in public areas,there is a need to increase the Surveillance which can help save many human lives.
- The Current Scenarios fail to identify a person who can be classified a threat.
- There is a dire need to use technology to solve these issues.
- So, to solve these issues facial recognition is used. It is a way of recognising humans by capturing their image and looking out in the database. In this way, the details of all persons can be known.
- A facial recognition system uses biometrics to map facial features from a photograph or video.

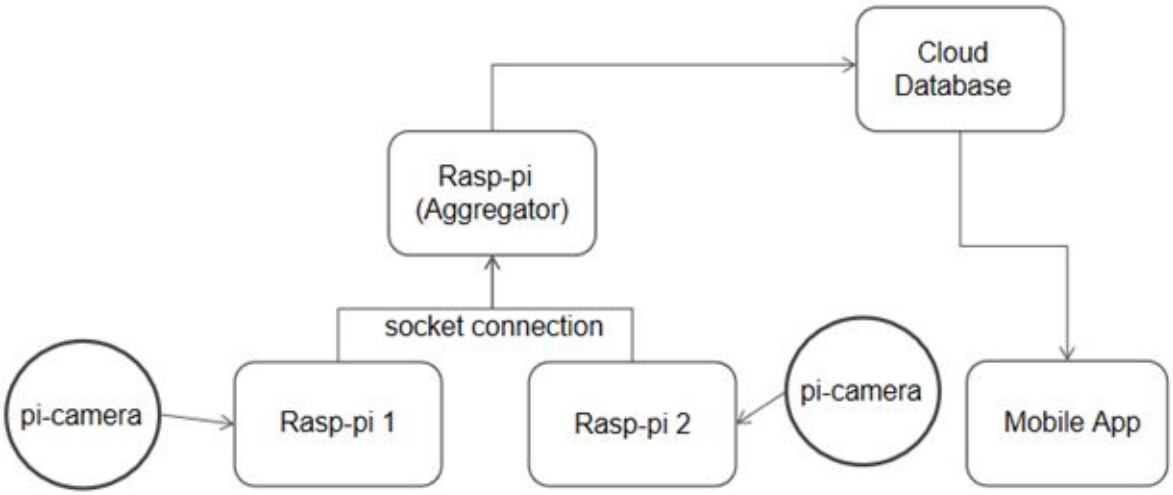
Project Idea

- The aim of our project is to monitor the individuals in a public space.
- Every Individual entering a Public space is recognised by our Face Recognition Algorithm.
- A record of every person is stored in our database and when a person enters a public space, his profile is loaded into the monitoring screen of the officials.
- Though the Work in our project is constrained to recognise people

and showing their details, the project as a whole has a very wide scope.

- With a good database, it can help solve many existing problems like trying to locate criminals,capturing people who's visas expired,etc.

System Model:



Observations:

- The statistics of people entering the area are obtained.
- Various Graphs regarding the number of people from each country,historical statistics of previous years and months are obtained.
- The person detected in the recognition system is displayed and his user profile consisting of his

details are shown.

Challenges faced

- Designing and Integrating the Android App.
- The Data is stored in Cloud and heavy processing is required. This causes the app to slow down.

Results


National Security Agency
Stats of Visitors in Different Countries