

Crowd Tracker

“FOR THOSE WHO WANNA HAVE A CHILLED OUT LIFE”

PRODUCT OBJECTIVE

To track swarm of crowds at a specific metro station and recommend a man to go to a metro station which is lesser crowd, if he has a choice of 2 or more metro stations.

There was also a challenge to provide an easy medium of travel to the selected metro station, keeping roads clear of big vehicles and traffic jams.

PROBLEM SOLUTION

The solution to choose a less crowded metro station is achieved by making a model of previous historic data to calculate the current density of each station with great accuracy. This product takes in weight of each previous instances like the population density 1 day back, 1 week back, 1 month back and 1-2 years back. It puts a weight on each of them to help determine the reality much better than the past.

In the initiative to get a solution for easy access to stations, we have provided an E-Booking system of E-Rickshaws which is known as CT-Rickshaws (Crowd Tracker). This would encourage our riders to pay a very little amount and still get a comfortable, speedy ride to the metro station. It would also help us in achieving **Go Green Initiative** as they do not consume non-renewable fuel and would decrease pollution due to transportation.

This product currently takes previous history of each hour of each metro station to tell almost accurate population density. We would be extending it to real time location tracker when this app would be made public sufficiently for our use case.

Future would be to extending this use case to other areas like - telling which outlet to visit if we have a choice of 2 or more, depending on crowd in those area.

COMPETITORS

A little could be google histogram, but not station/facility specific! This type of use case has not been widely public, specifically in India, if there are any.

What's innovative?

Building a population density model which can be used in many more areas instead of Delhi Metro, as mentioned above with Go-Green Initiative.

What is our team

2 Data Scientist, 1 Product Developer, 1 Android Developer, 1 Product Designer and Cloud Developer

Important Links:

- [Metro Station Coordinates](#)
- [Station wise Month Rider Count data](#)
- [Data Presentation](#)
- [Crowd Tracker App Code and APK](#)