



WieAssist

Make safety a routine because prevention is much better than cure.

Scope of the Presentation

- What is the problem being solved?
- Features of the application and technologies used
 - ★ Know how safe a place is before-hand
 - ★ Get reminded and recommended when you are running late
 - ★ Location sharing with people you trust in times when you don't feel safe.
- Comparison with existing solutions in the Indian Market

Features and Technologies

★ Know how safe a place is before-hand

In order to make all women more aware about any new place that they plan to visit, WieAssist lets them know from reliable sources about how safe a place is.

Issue!

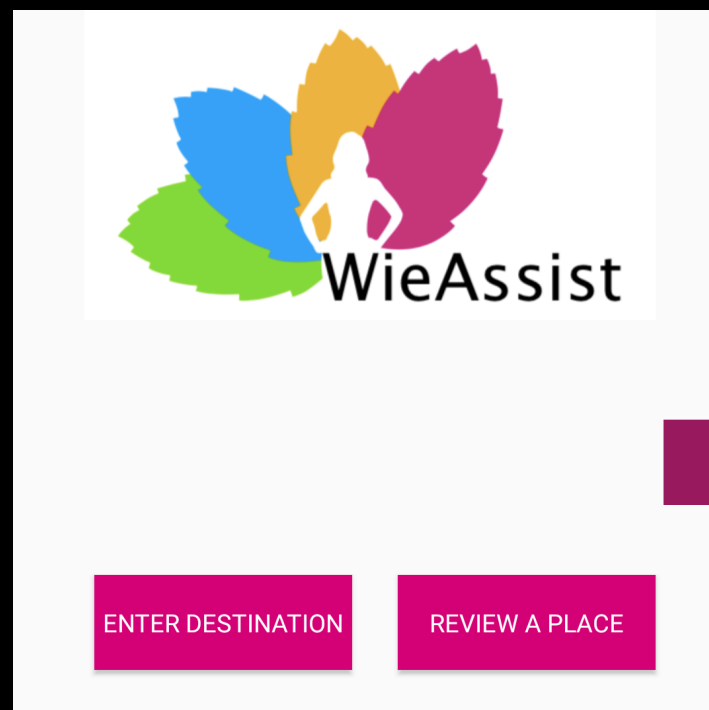
Not enough databases with criminal records

How did we deal with this problem?

Features and Technologies

1. Crowd Sourcing Data

Women using the app contribute by letting others know how safe a destination place is.



Enter the name of the place *

Your answer _____

Is this place safe during the day? *

1 2 3 4 5

Not Safe ☐ ☐ ☐ ☐ ☐ Very Safe

Rathe the place in terms of connectivity *

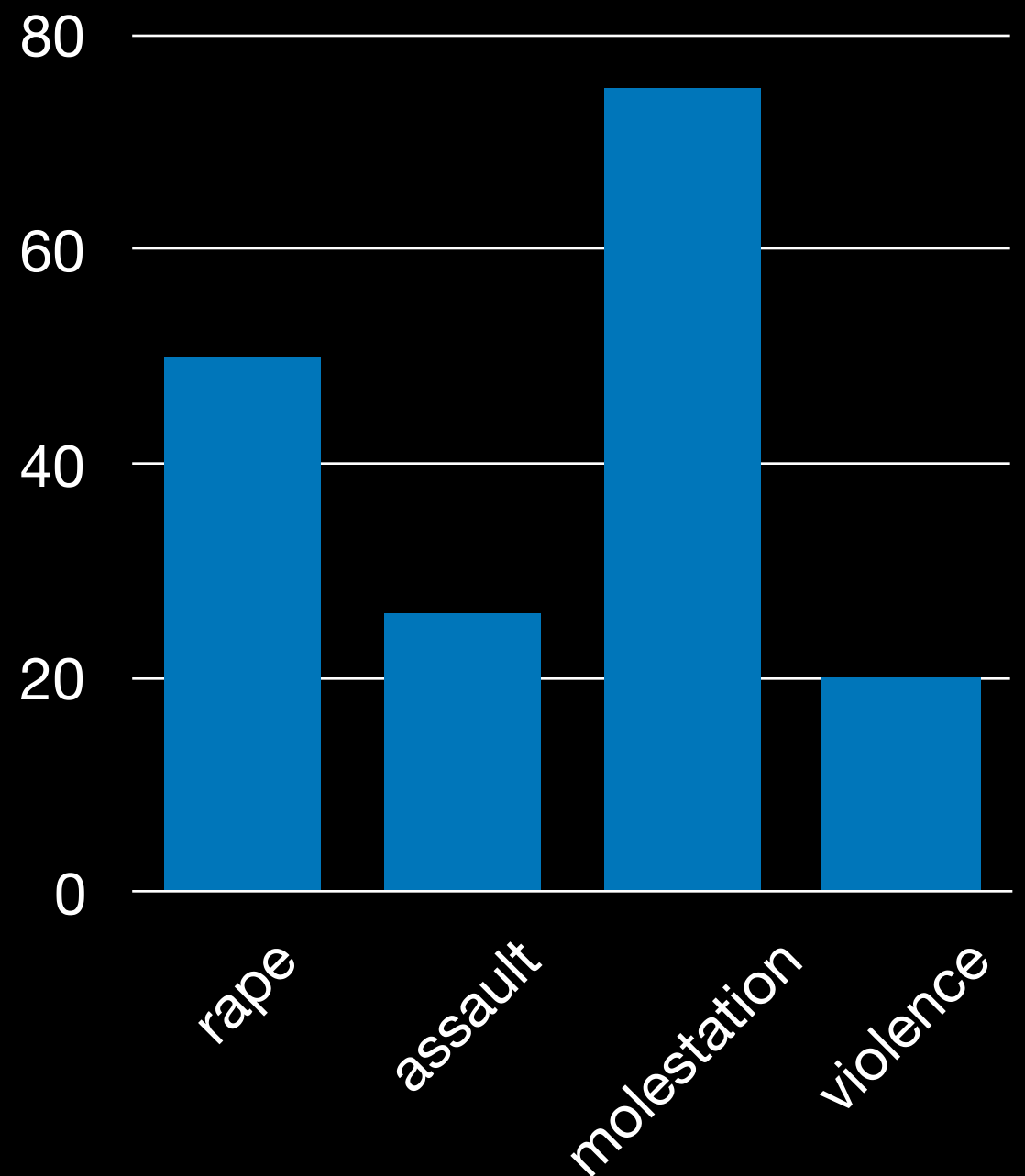
1 2 3 4 5

Not Safe ☐ ☐ ☐ ☐ ☐ Very Safe

Features and Technologies

2. Data Mining

We access, read and even understand news articles regarding crimes against women in a queried location using **Natural Language Processing for Sentiment Analysis.**

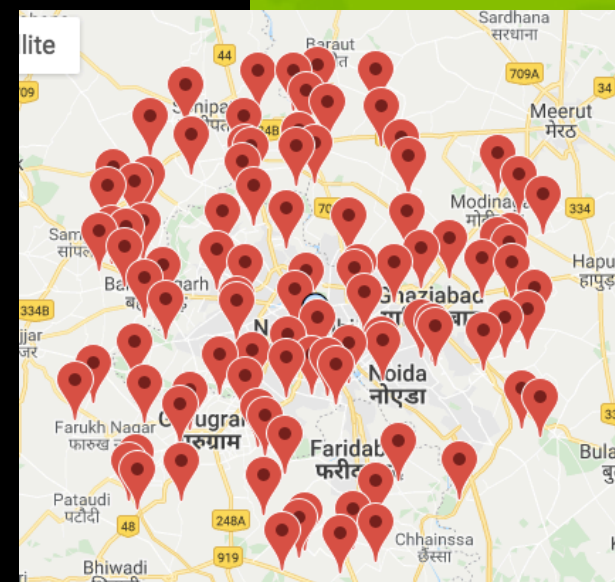


Features and Technologies

2. Existing Criminal Records

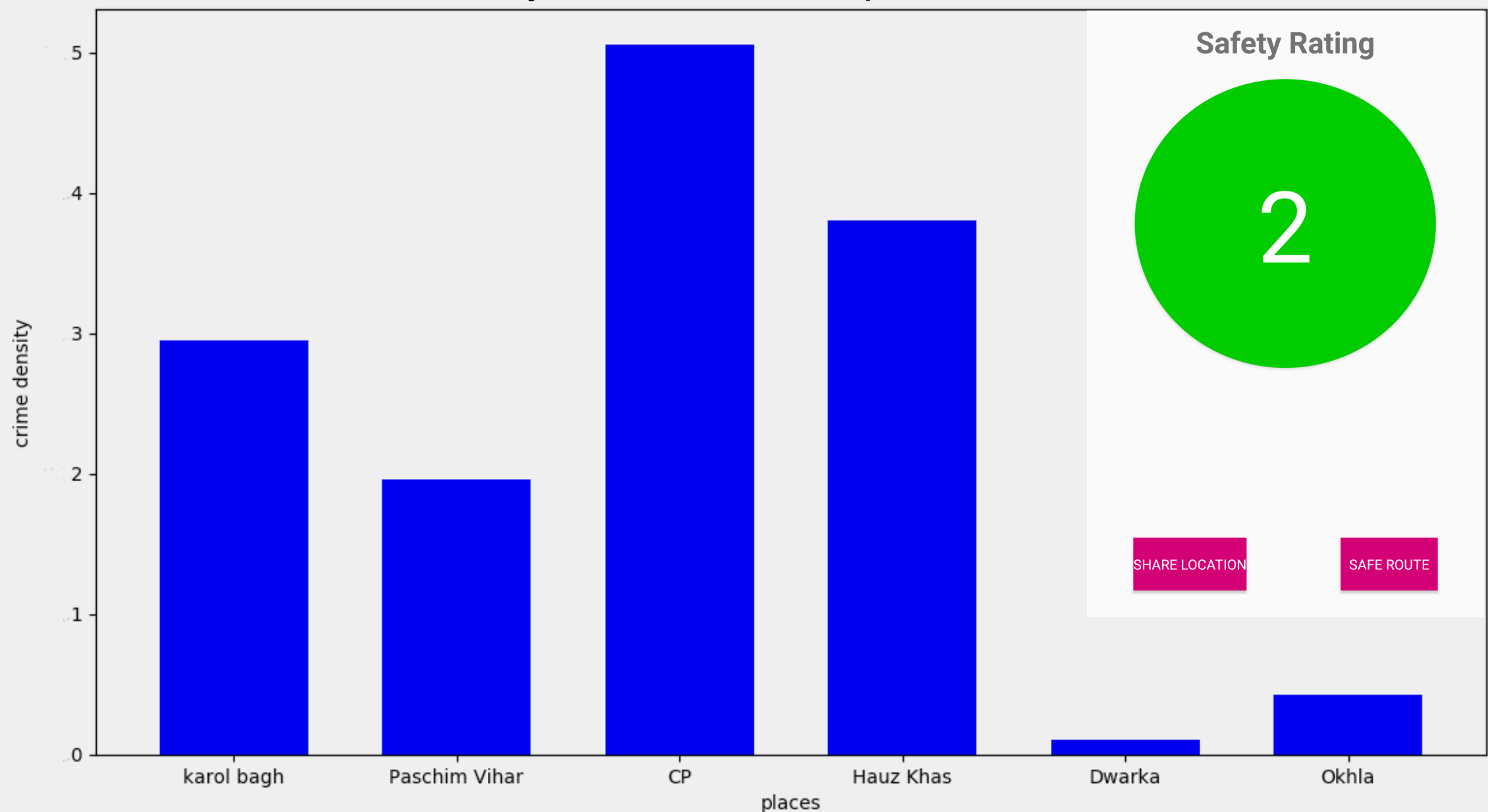
For the places that are present in existing criminal record base provided by the government, we determine the number of crimes that have taken place in the area to enhance the accuracy of the safety rating that we provide to our users.

data.gov 
Open Government Data (OGD) Platform India



Features and Technologies

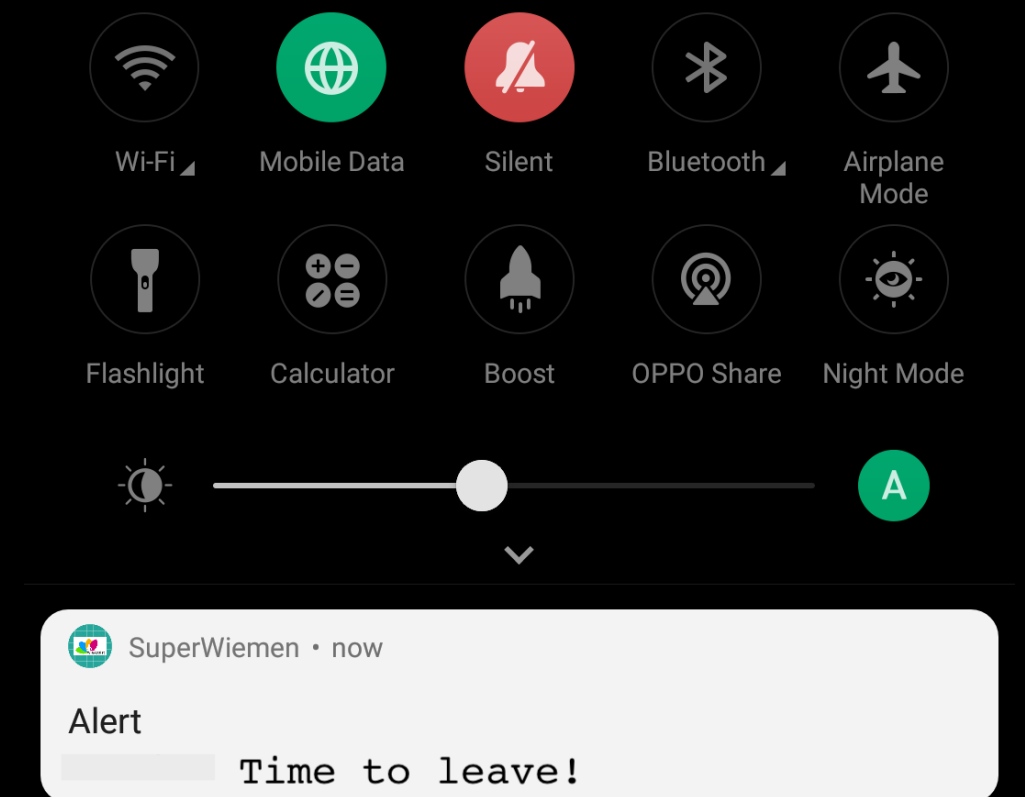
Safety Scores of a few places in Delhi



Features and Technologies

★ Get reminded and recommended when you are running late

This feature aims at reminding the user if she is not moving according to her schedule. Under this feature we have currently provided the user with alerts if she hasn't left her workplace on time. We also show the safest route to the user's home.



Features and Technologies

★ Share live location with your close ones

A link is provided to the user which can be shared via email (by default) or via any other service like WhatsApp or SMS. Your close ones can track you real time using this feature in cases when you feel you are in danger.



Comparison with existing solutions in the Indian Market

- Existing solutions are only based on handling “in distress” situations.
- Rather than making women safety a priority, they aim at dealing with a situation when the user is in a dangerous situation.
- Efficient use of the existing data resources to provide women with the right and accurate information is missing.

Future Prospects

- Voice and analysis of other signals that can be obtained using the sensors present on the smart phone to check if user is in danger and to convey the message to close ones.
- Providing user with choices of safest modes of commutes at the given time of the day.