Photo credits: Nitin Warrior

Safety Audits in Pune-2019

SAFETIPIN
Supporting Safer Cities

SAFETY AUDIT

This is the core of Safetipin. Based on the global experience of 20 years on safety audits, 8 important parameters that define safety perceptions are fixed. Feeling being the ninth parameter exclusively on perception.

AUDIT POINTS

Each safety audit will appear as a point on the Safetipin App.

Each point gets uploaded immediately and is then seen collectively on the screen.

The red signifies unsafe points, orange a bit safer and green would be relatively safe points.
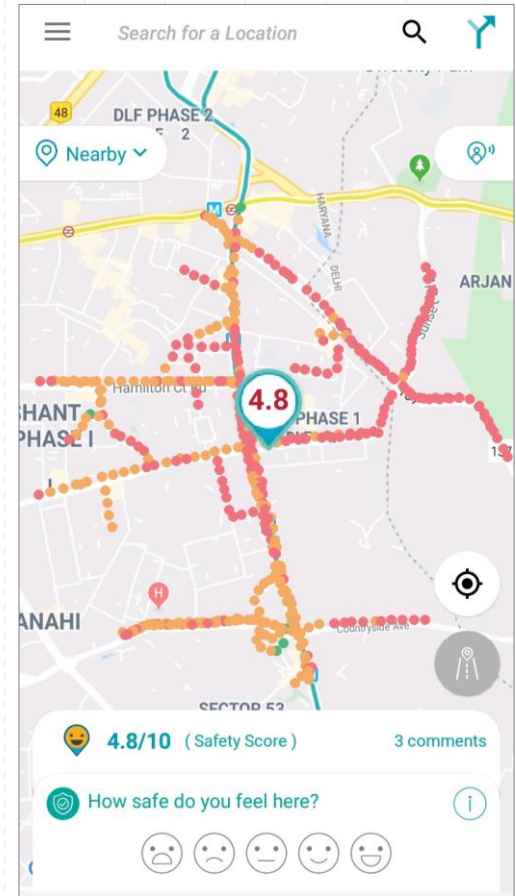
LIGHT

WALK PATH

OPENNESS

VISIBILITY

TRANSPORT

SECURITY

PEOPLE

GENDER USAGE

FEELING

Search for a Location

Nearby

4.8

4.8/10 (Safety Score)   3 comments

How safe do you feel here?

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Project Planning	Data Collection	Data Coding	Audit Report		Monitoring Impact

PROJECT SCOPE:
Collecting and assessing safety related information of the entire city using the Safetipin Applications

PROJECT AREA:
Municipal Area

RESOURCE ALLOCATION:
Data collection planning with the project partners

NITE AUDITS:
Safetipin trains field investigators to collect data using 'Safetipin Nite' app

CODER RATING:
Safetipin has a certified team for review and codification (visual analysis of geo-tagged photos). It rates each and every photograph collected by 'Safetipin Nite' through its exhaustive sub-parameter menu to aggregate safety information gathered into a safety score of a place and/or city

SAFETY MAPPING:
Audit results are represented in spatial maps to understand locational issues
DATA ANALYSIS:
Software Platform to display the data collected for detailed analysis
RECOMMENDATION:
Urban design and infrastructural planning recommendations are given to foster positive change

MEASURE CHANGE:

Ideally after one year of doing the first safety audit mapping and based on interventions / upgradations instituted, fresh mapping to be conducted in order to measure change and assess impact

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TIME LINE: -- IN SIX MONTHS

METHODOLOGY

SAFETIP*N*
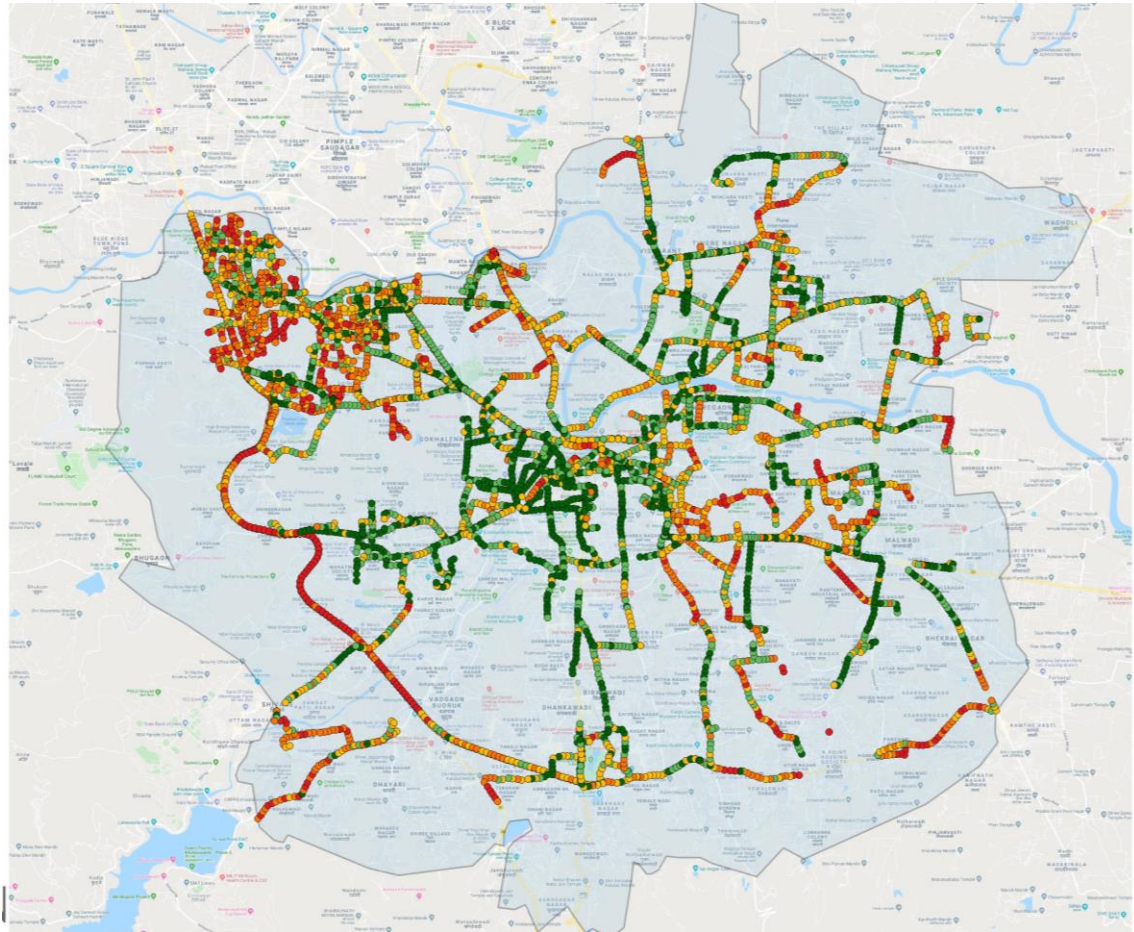*Supporting Safer Cities*

SAFETIPIN NITE

Phone with Safetipin Nite Application is mounted on the windshield of a moving vehicle for capturing night time pictures. Pictures are taken at every 50 metres interval and uploaded to our system. These are then assessed according to the safety audit parameters.
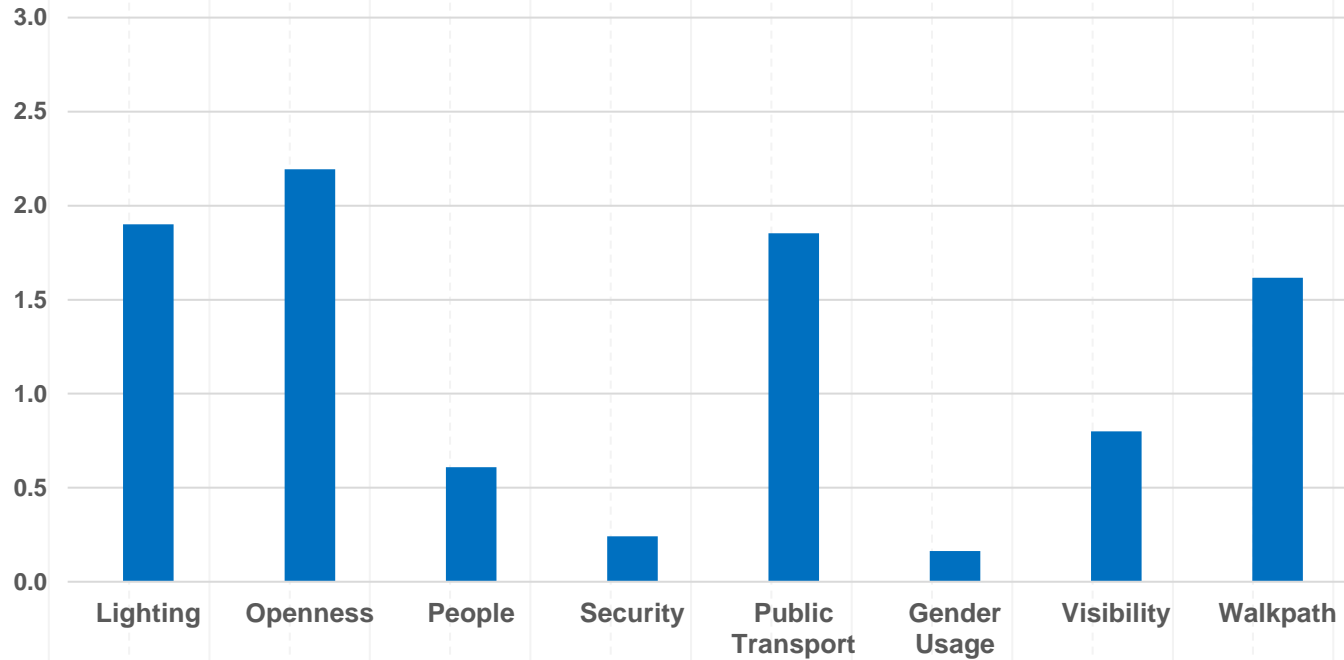
Pune

Images Collected – 52,280
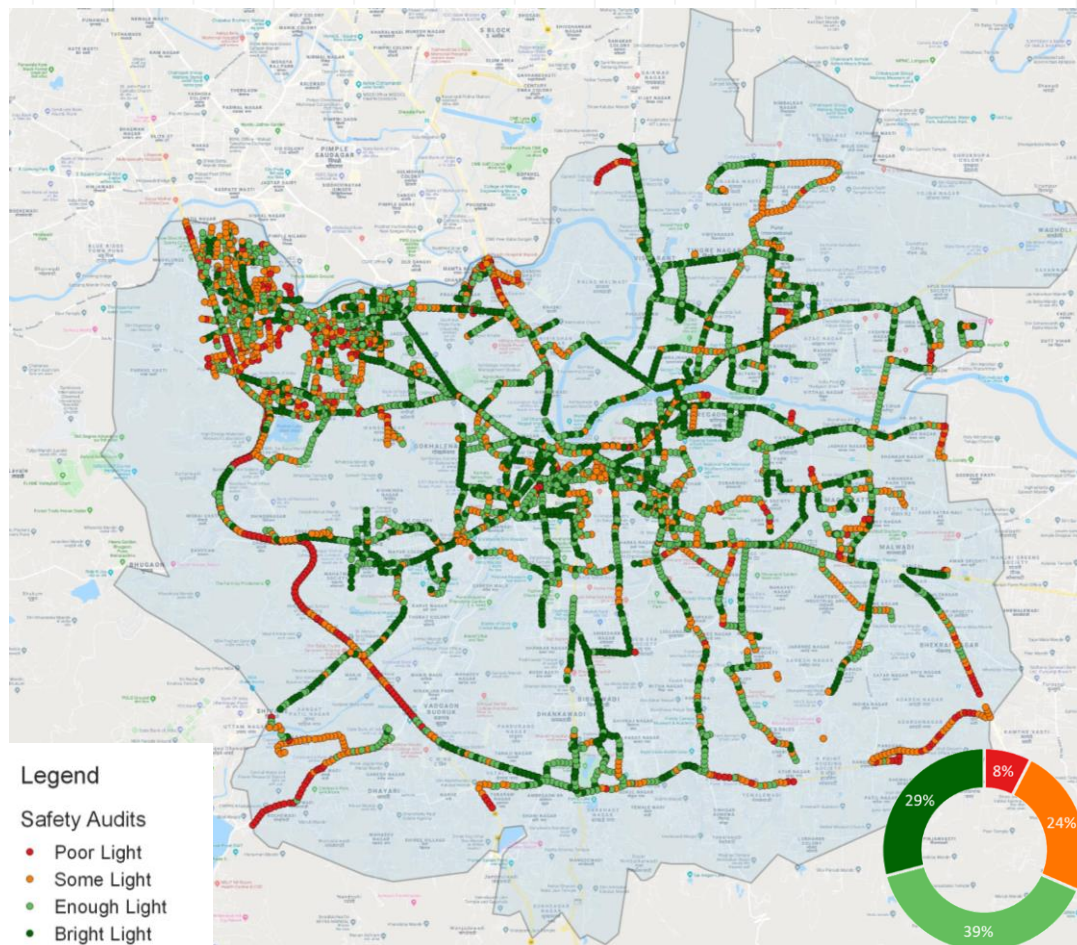
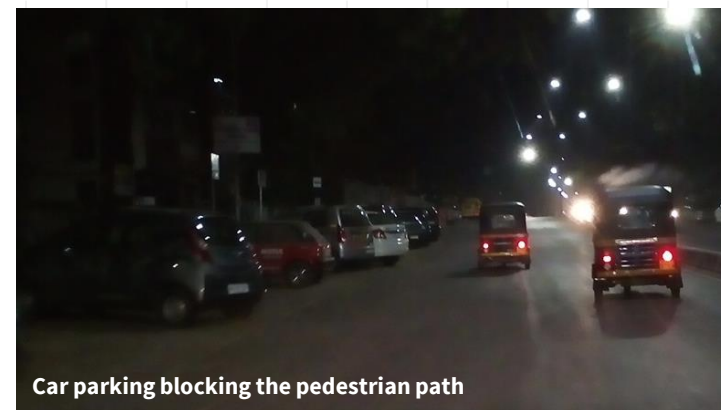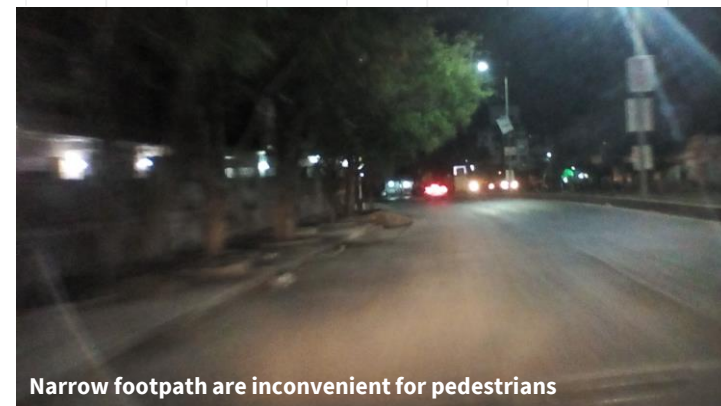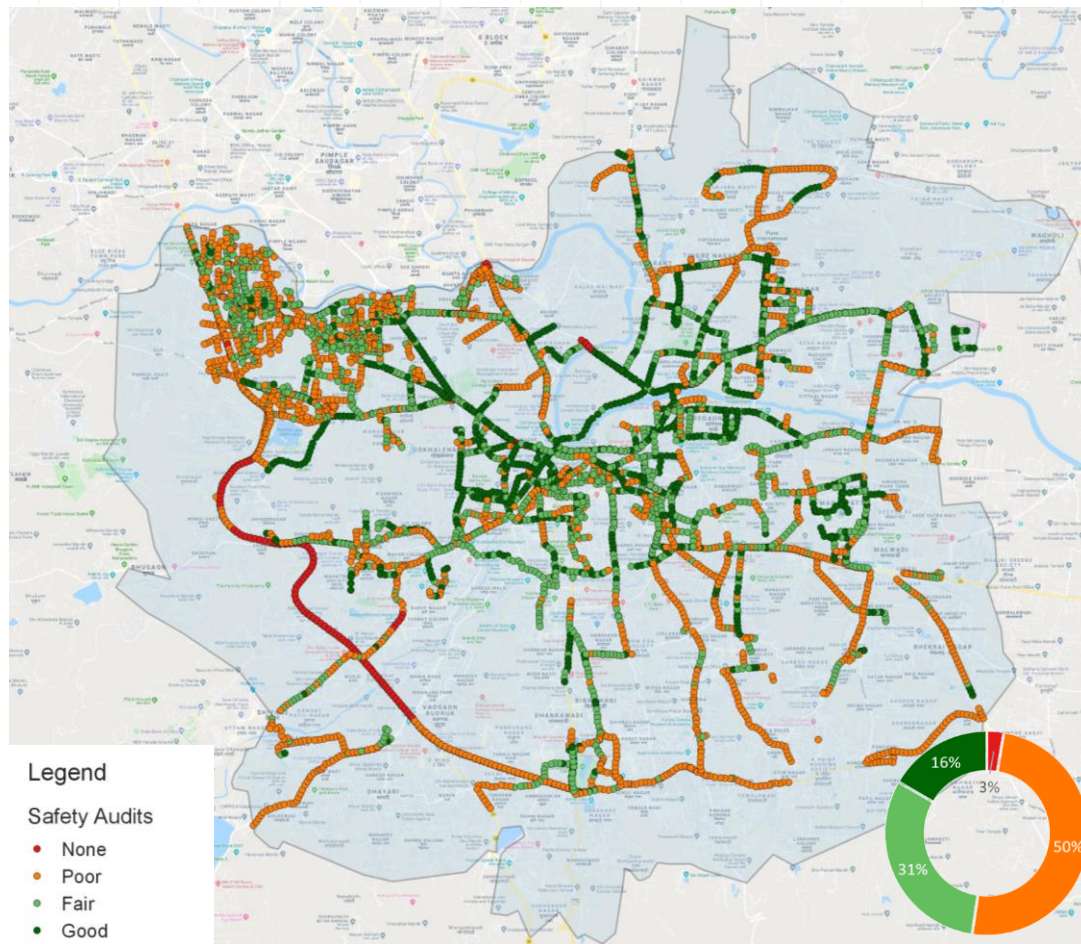Road Length covered-   650 km

Safety Audits generated – 6,632

Average Parameter Rating

LIGHTING

Tree leaves hindering Streetlight at Abhimanashree Road

No Streetlight at PAN Card Club Road

Legend

Safety Audits

- 🔴 Poor Light
- 🟠 Some Light
- 🟢 Enough Light
- 🟢 Bright Light

8%
24%
39%
29%

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WALKPATH

Narrow footpath are inconvenient for pedestrians

Car parking blocking the pedestrian path

Legend

Safety Audits

- None
- Poor
- Fair
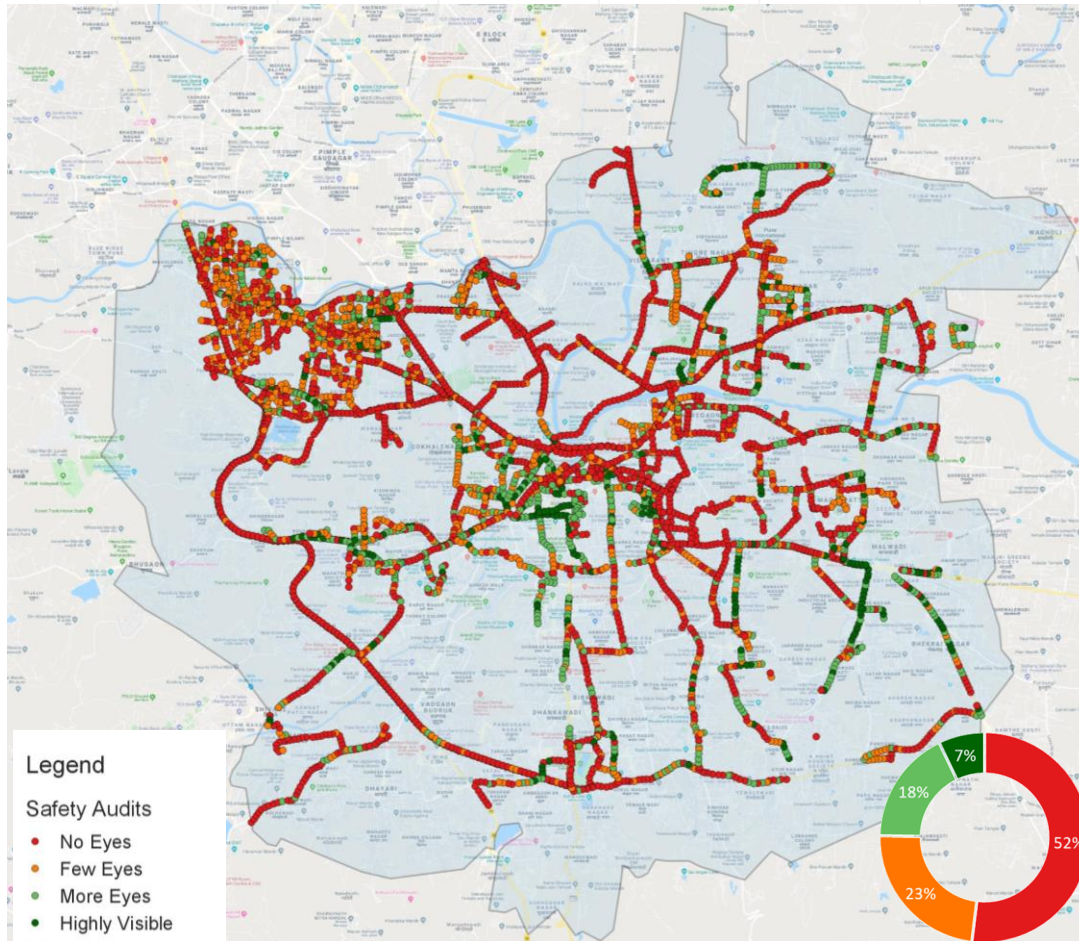- Good

16%

3%

50%

31%

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VISIBILITY

Visibility refers to how visible is one to others. It is based on the principle of 'eyes on the street'. This comprises windows-doors of shops & houses along with street vendors and hawkers.

Legend

Safety Audits
- No Eyes
- Few Eyes
- More Eyes
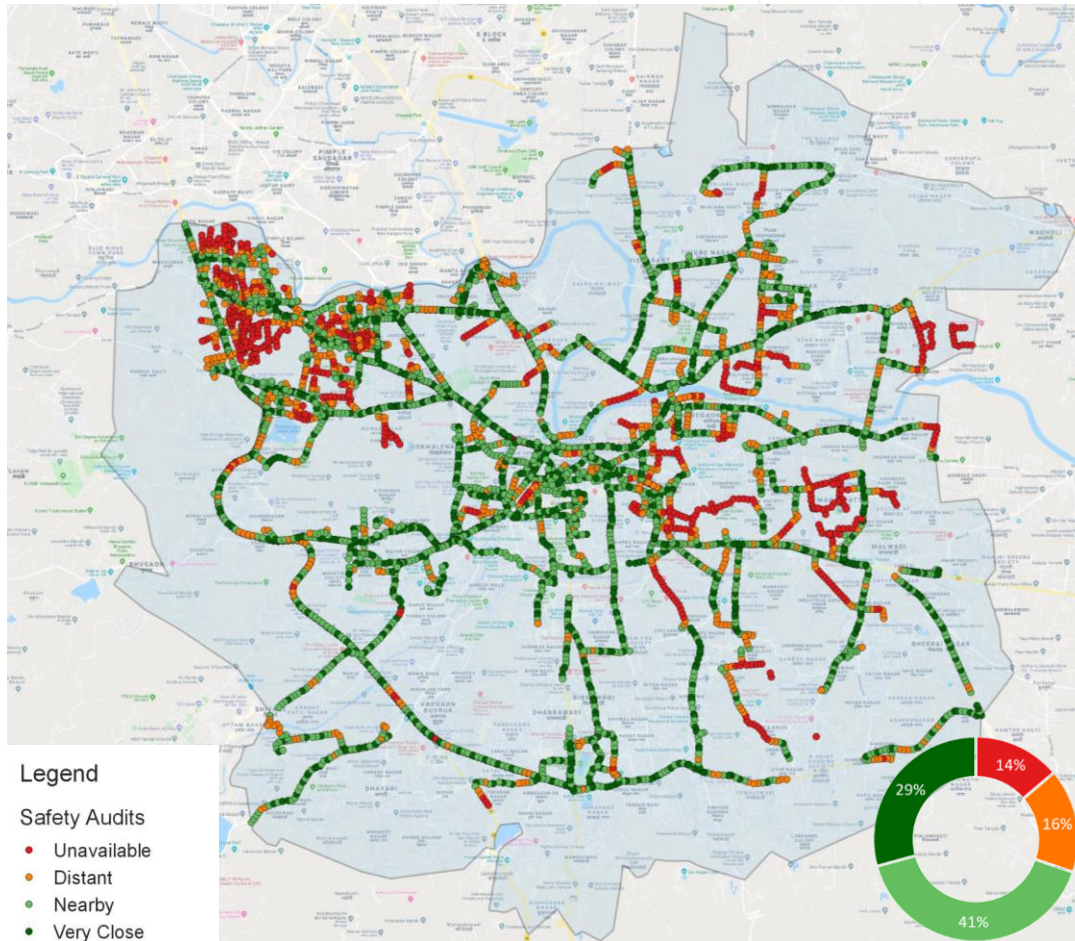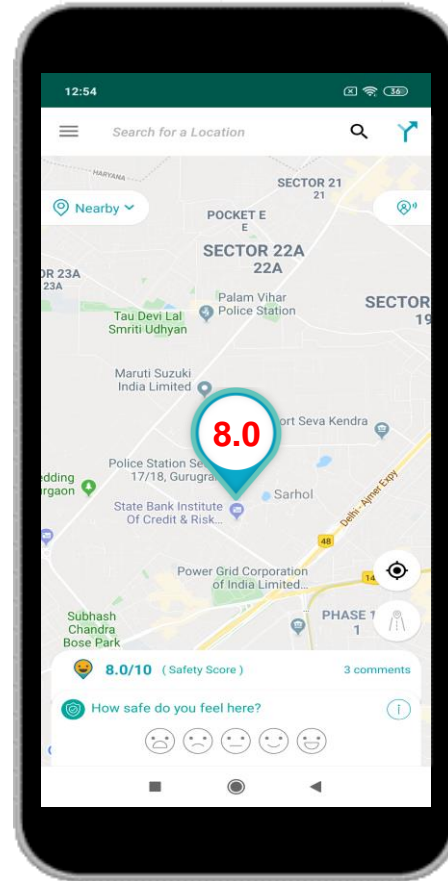- Highly Visible

7%
18%
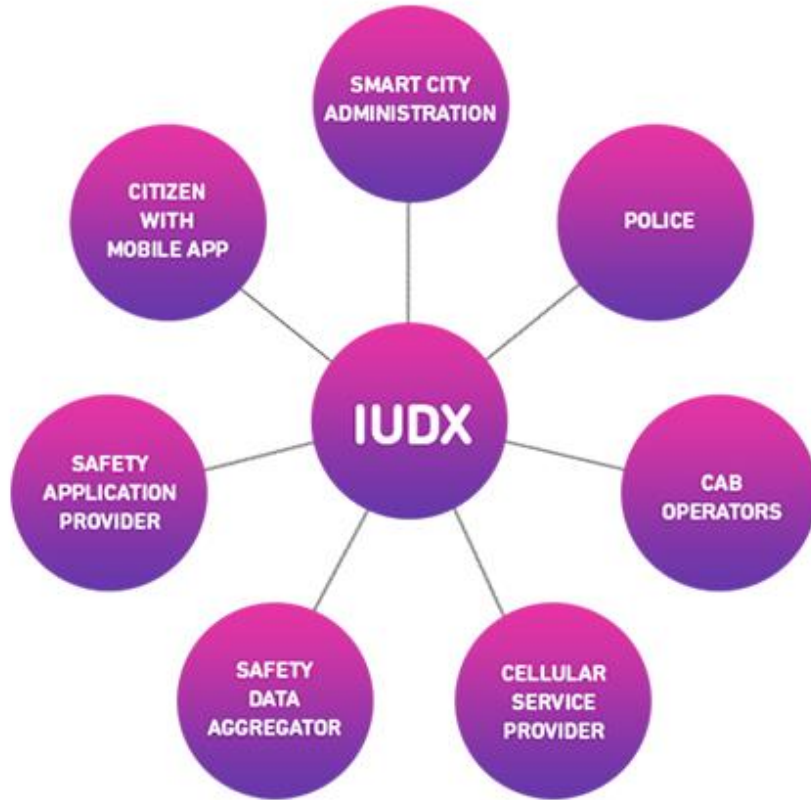52%
23%

PUBLIC TRANSPORT

Public Transport parameter indicates the ease of accessing any mode of public transport i.e. metro/bus/auto/taxi etc. and is measured in terms of the distance to the nearest mode.

Around 60% of audit points are at walkable distance from nearest bus stop.

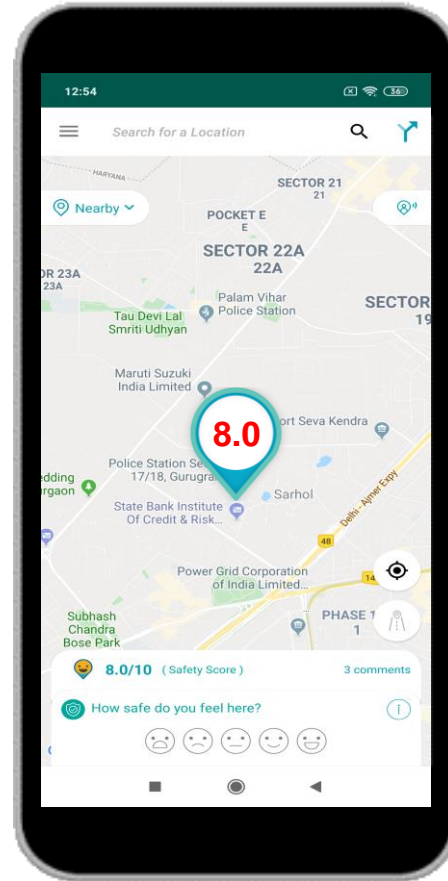Tertiary and colony roads have been rated low in this parameter.

Legend

Safety Audits
- Unavailable
- Distant
- Nearby
- Very Close

14%
16%
41%
29%

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IUDX: Women Safety

SMART CITY ADMINISTRATION

CITIZEN WITH MOBILE APP

POLICE

IUDX

SAFETY APPLICATION PROVIDER

CAB OPERATORS

SAFETY DATA AGGREGATOR

CELLULAR SERVICE PROVIDER

What is SAFETIPIN?

Safetipin is a map-based online and mobile phone application that works to make our communities and cities safer by collecting and disseminating safety-related information on a large scale through crowd sourcing and other methods.
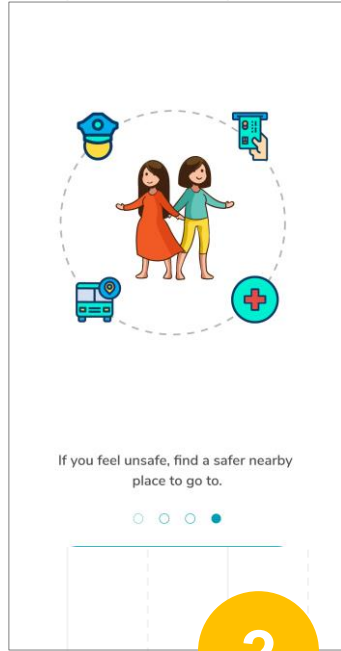
It is a free app available anywhere in the world. It is available in English, Spanish, Hindi and Khmer.
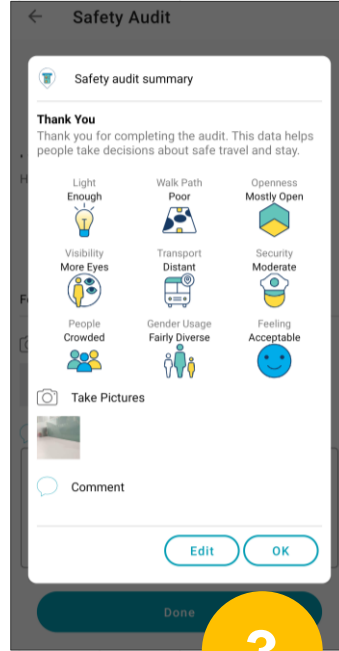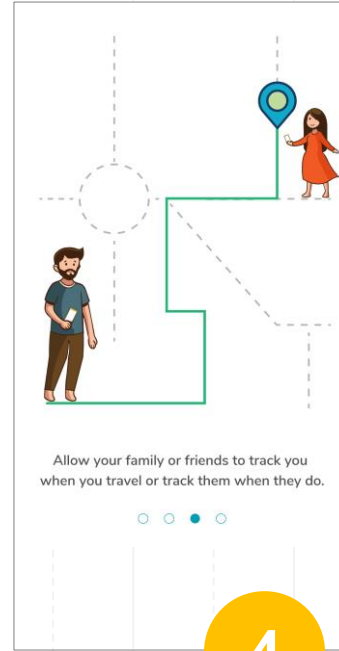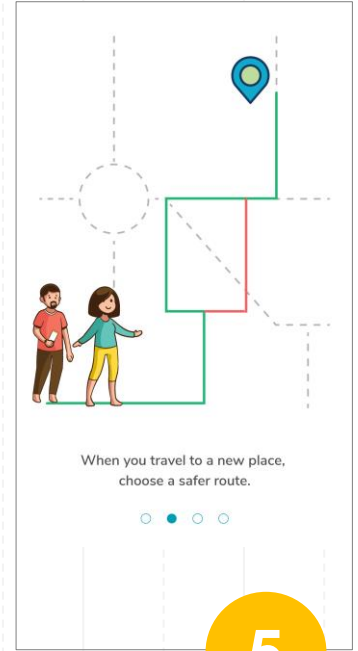

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1 Safety Score

Check out a safer place to live, rent or buy.

2 Nearby

If you feel unsafe, find a safer nearby place to go to.

3 Safety Audit

Safety Audit

Safety audit summary

Thank You
Thank you for completing the audit. This data helps people take decisions about safe travel and stay.

Light	Walk Path	Openness
Enough	Poor	Mostly Open

Visibility	Transport	Security
More Eyes	Distant	Moderate

People	Gender Usage	Feeling
Crowded	Fairly Diverse	Acceptable

Take Pictures

Comment

Edit   OK

Done

4 Tracking

Allow your family or friends to track you when you travel or track them when they do.

5 Safest Route

When you travel to a new place, choose a safer route.

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Supporting Safer Cities

1 Safety Score

2 Nearby

3 Safety Audit
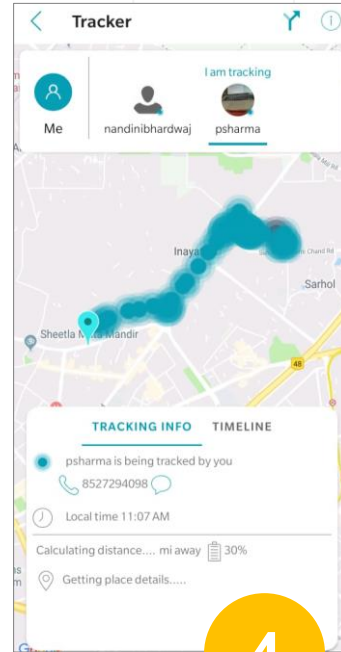
4 Tracking

5 Safest Route

SAFETIPIN
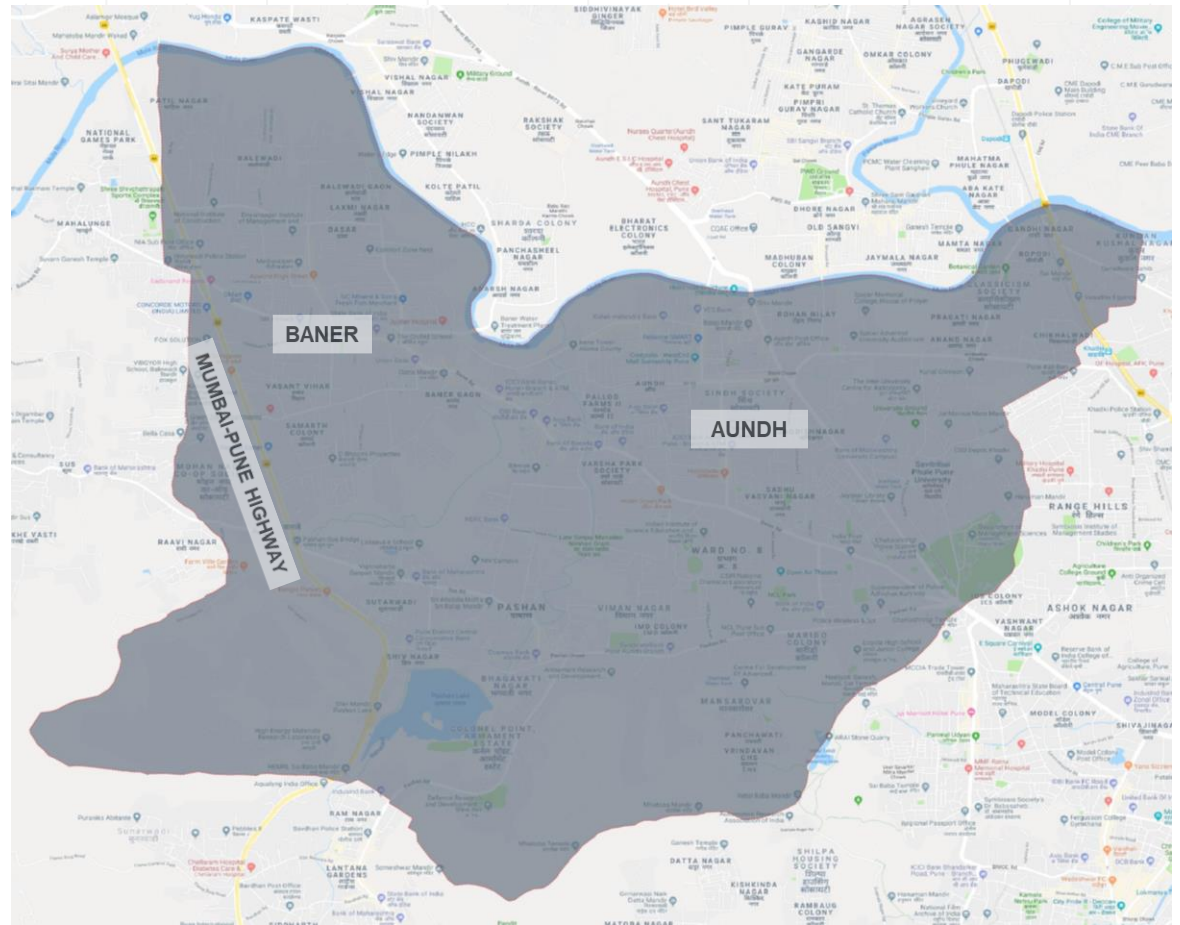*Supporting Safer Cities*
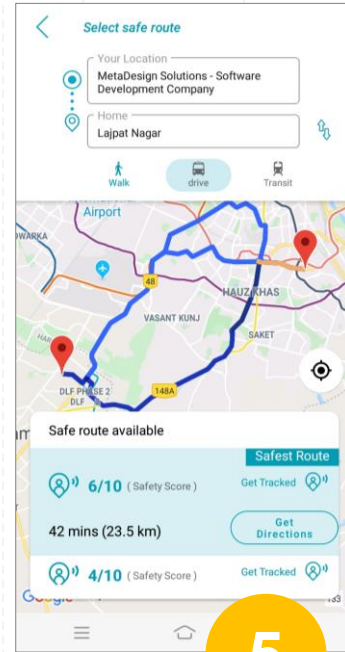
Pune: ABD
(Aundh-Baner-Balewadi)
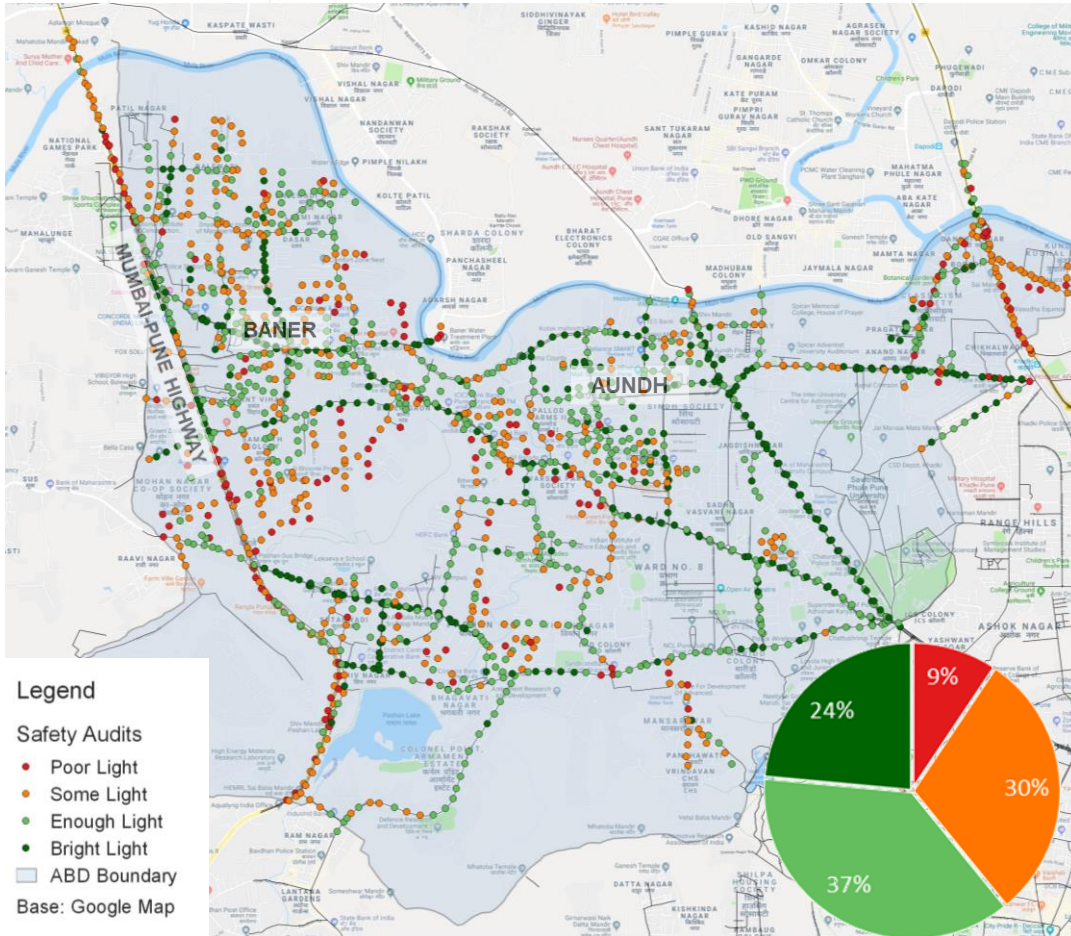
Images Collected – 10,862

Road Length covered- 160 km

Safety Audits generated – 1,564
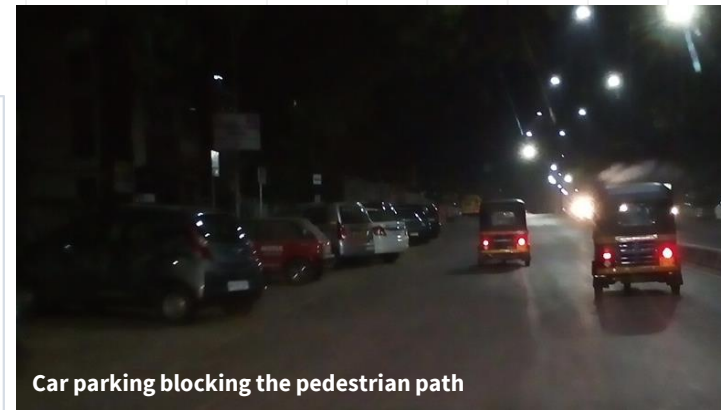
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Tree leaves hindering Streetlight at Abhimanashree Road

No Streetlight at PAN Card Club Road

Legend

Safety Audits
- Poor Light
- Some Light
- Enough Light
- Bright Light
- ABD Boundary

Base: Google Map

9%
30%
37%
24%

Narrow footpath are inconvenient for pedestrians

Car parking blocking the pedestrian path

BANER

AUNDH

MUMBAI-PUNE HIGHWAY

Legend

Safety Audits
- None
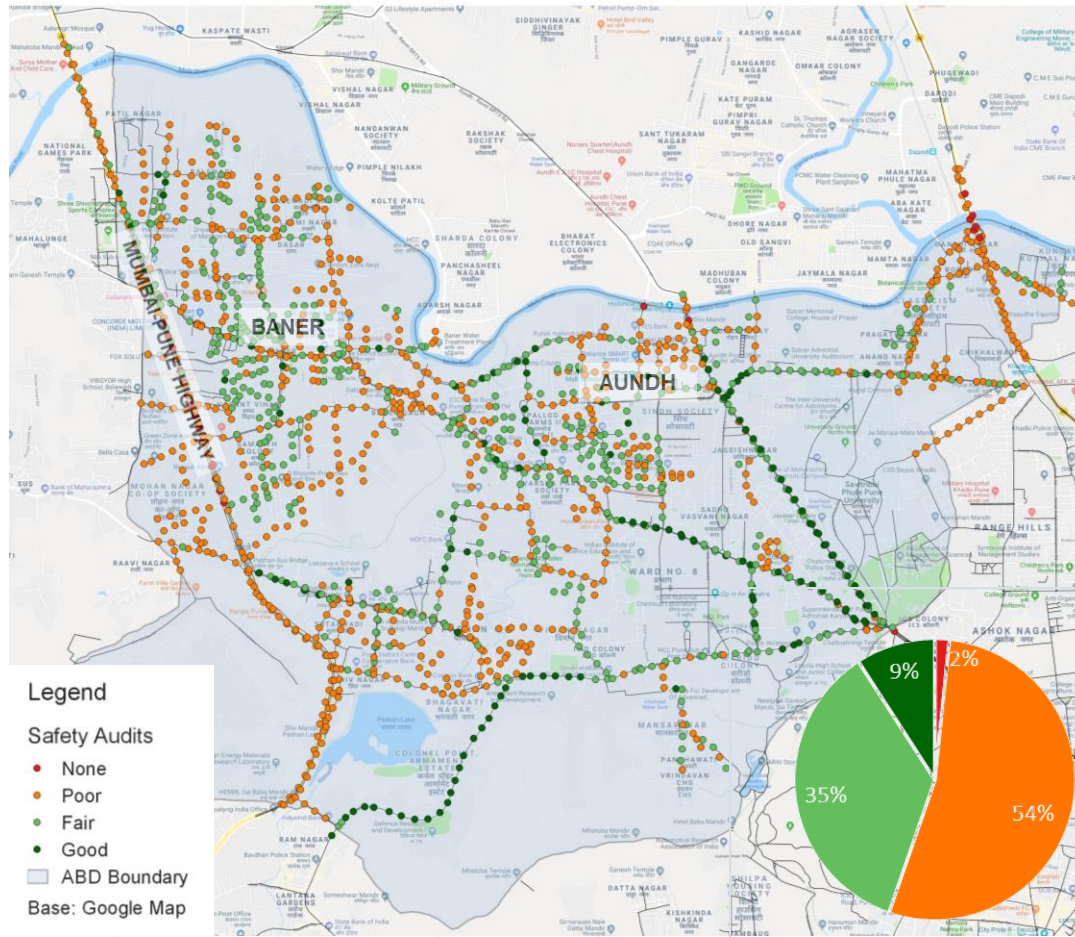- Poor
- Fair
- Good
- ABD Boundary

Base: Google Map

Pie chart: 54%, 35%, 9%, 2%

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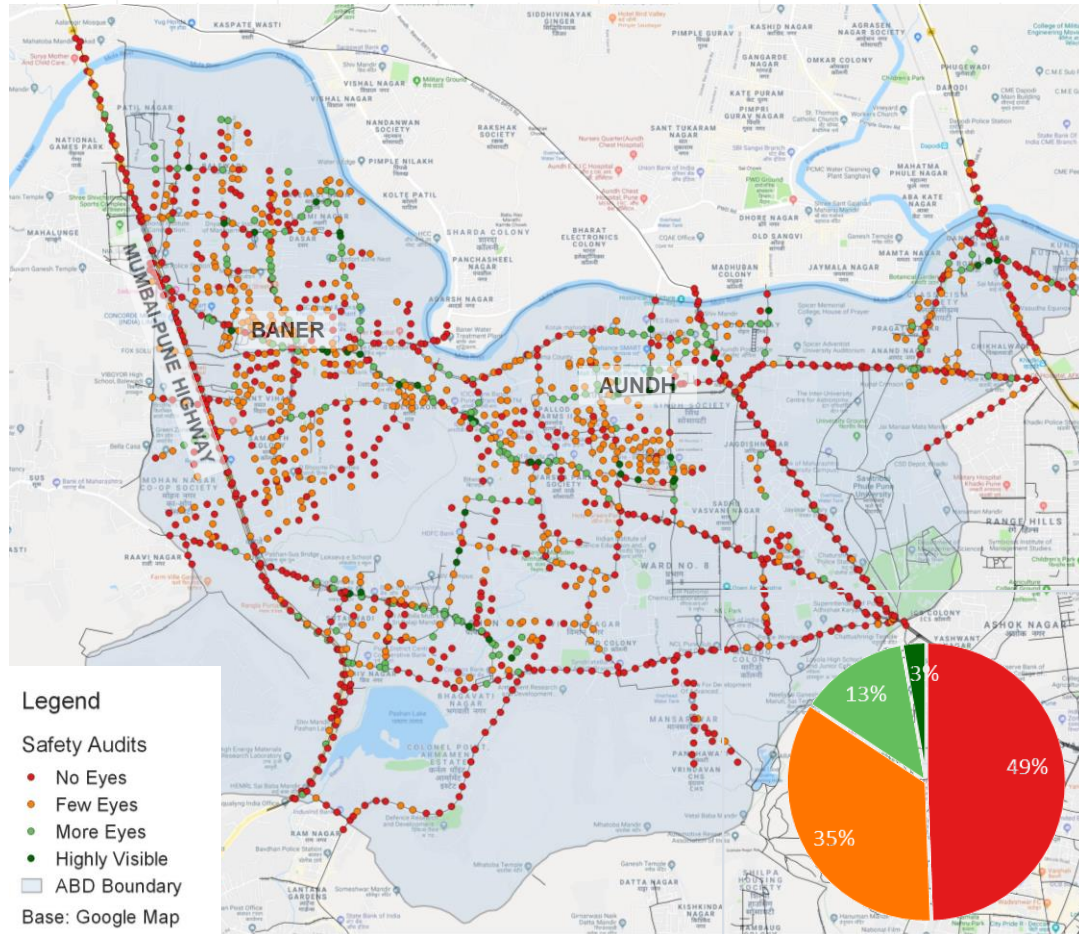
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Legend

Safety Audits
- No Eyes
- Few Eyes
- More Eyes
- Highly Visible
- ABD Boundary

Base: Google Map

Pie chart values: 49%, 35%, 13%, 3%
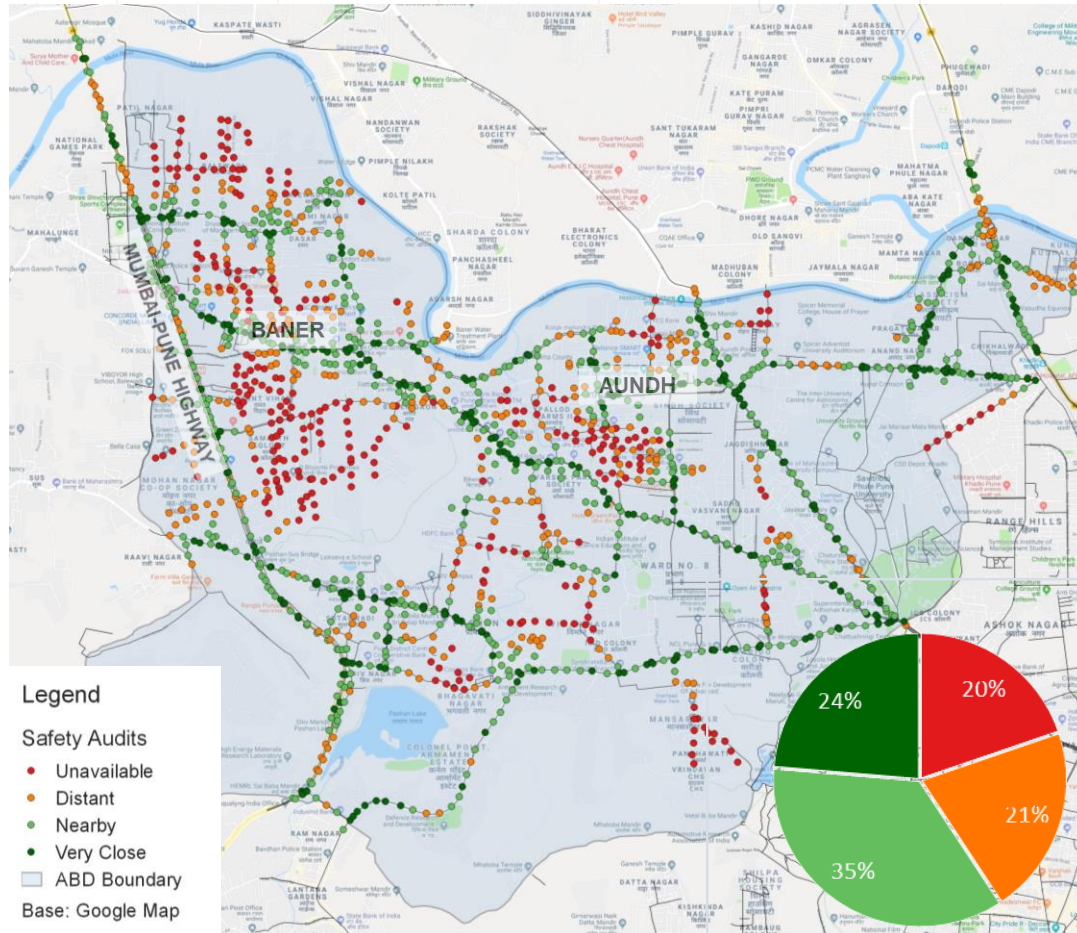
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Legend

Safety Audits
- Unavailable
- Distant
- Nearby
- Very Close
- ABD Boundary

Base: Google Map

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THANK YOU !

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ANDROID APP ON
Google play

Available on the
App Store

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