

Jaipur

A Safety Analysis Report



Cities for You(th)

Digital tools to enable youth leadership
for urban well-being

SUPPORTED BY:



LED BY:



KNOWLEDGE PARTNER:



SAARTH

Cities are spaces of opportunity, for education and employment but **lack of information, poor infrastructure, unresponsive services, and poor safety** prevent youth from accessing them.

Young people are critical for shaping the **future of our cities**.

Yet,

young people's voices remains **underrepresented** in decision making processes.

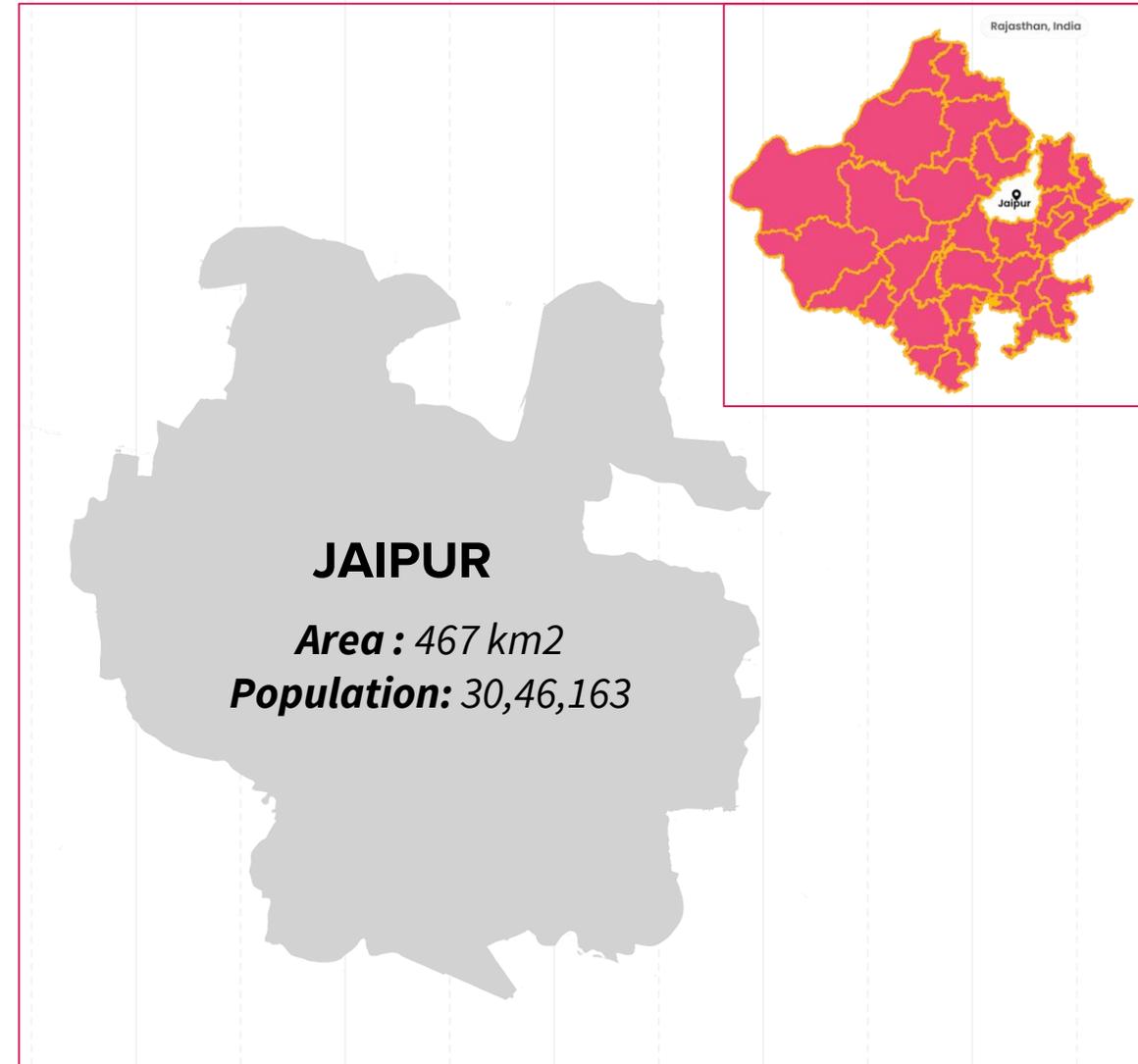


'Cities for You(th)'

Digital tools to enable youth leadership

Cities for You(th) project aims to create **meaningful inclusion** of **young people's voices** and experiences to create **youth and gender responsive cities** through **data, technology and focuses** on low income youth (especially young women) with a pilot in four cities of Rajasthan

Jaipur is one of the four city in Rajasthan, where the project is getting implemented.



Jaipur City



Jaipur is a bustling capital city and a business centre with all metropolis of modern Rajasthan but still flavoured with an age old charm that never fails to surprise a traveler. The old jaipur painted in pink can attract any visitor with admiration. It is the vibrant capital city of Rajasthan.

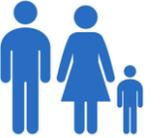
GEOGRAPHICAL AREA

467km²

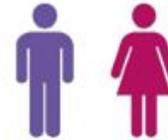


TOTAL POPULATION

30,46,163



GENDER DISTRIBUTION



16,03,125

14,43,038



YOUTH (15-19)

5,42,306

2,97,674

YOUTH (20-24)

4,86,594

2,61,331

SEX RATIO



ADULT 898

CHILDREN 854

AVERAGE LITERACY RATE



84.34 %

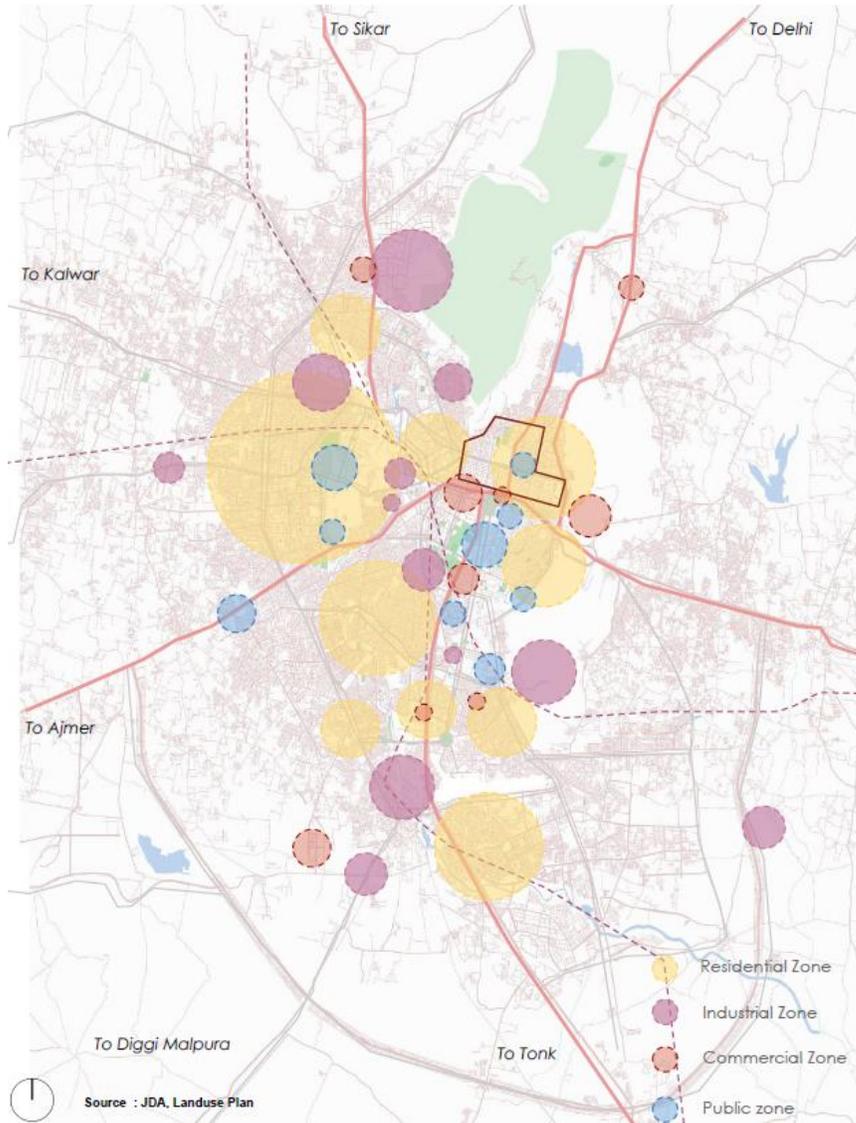
MALE

90.61%

FEMALE

77.41 %

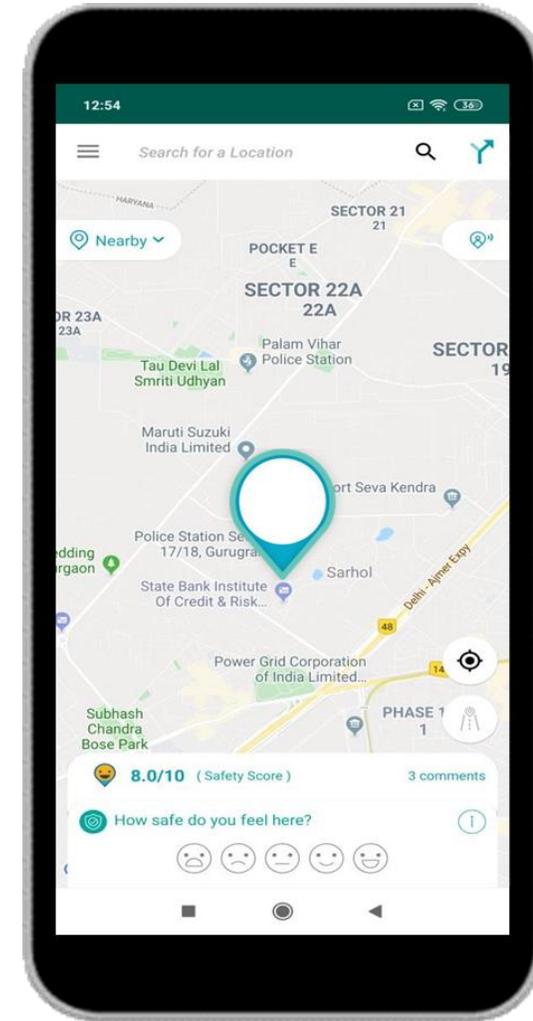
City Context



Data for Change through Digital Innovation

With a multi-pronged approach to using **data and technologies** for evidence generation and perception mapping of young people based on their experiences, the project aims to strengthen youth-led active citizenship models to ensure the rights and entitlements of young people in the city.

Safetipin is a technology platform that works to make communities and cities safer by collecting and disseminating safety-related information on a large scale through a set of map-based applications.



Tools for data collection

Mobile App



MY SAFETIPIN

Free App available for public for crowdsourced data on safety

Image Mapping Tool



SAFETIPIN NITE

Android App used for large-scale image data collection of streets in cities

Participatory tool



User Survey, City Mapping

Perspective surveys done to collect issues and concerns at community level

Crowdsourced data on My Safetipin App

SAFETY AUDIT

Mobile app to collect crowdsourced data on safety in public places. Safety Audit at a location is done based on parameters linked to built and social environment. This app has been used by young people indicating their concerns and experience in the city.

AUDIT POINTS

Each safety audit results in a pin on the specific geotagged location where the audit was performed and records the time and date along with the images taken.



LIGHT



WALK
PATH



OPENNESS



VISIBILITY



TRANSPORT



SECURITY



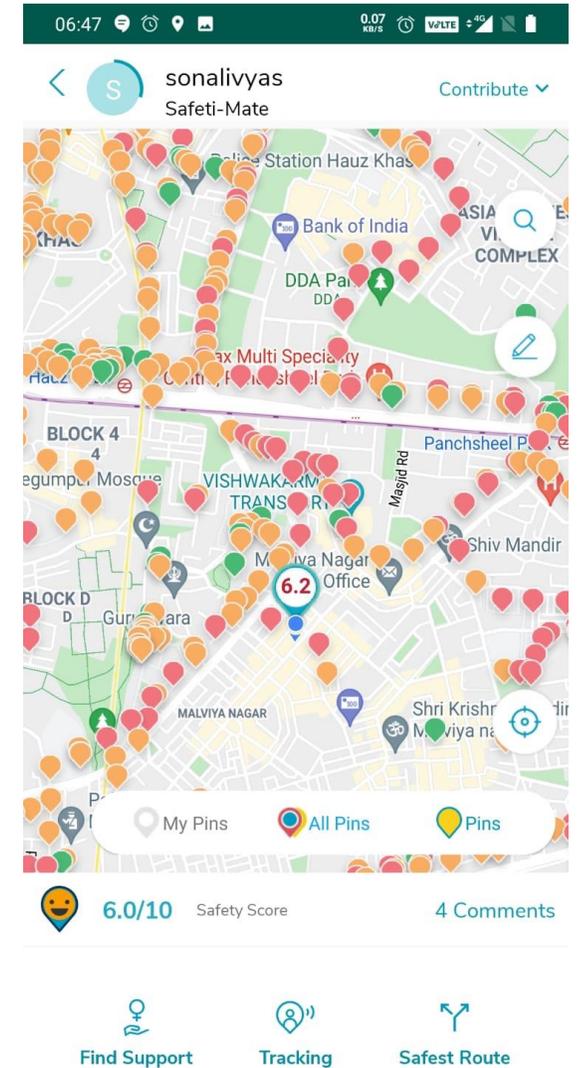
PEOPLE



GENDER
USAGE



FEELING





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.

User Surveys and Site Mapping



Shot on OnePlus
By Saagar



Shot on OnePlus
By Saagar



Shot on OnePlus
By Saagar



Shot on OnePlus
By Saagar



Shot on OnePlus
By Saagar



Shot on OnePlus
By Saagar



Shot on OnePlus
By Saagar



Data collection

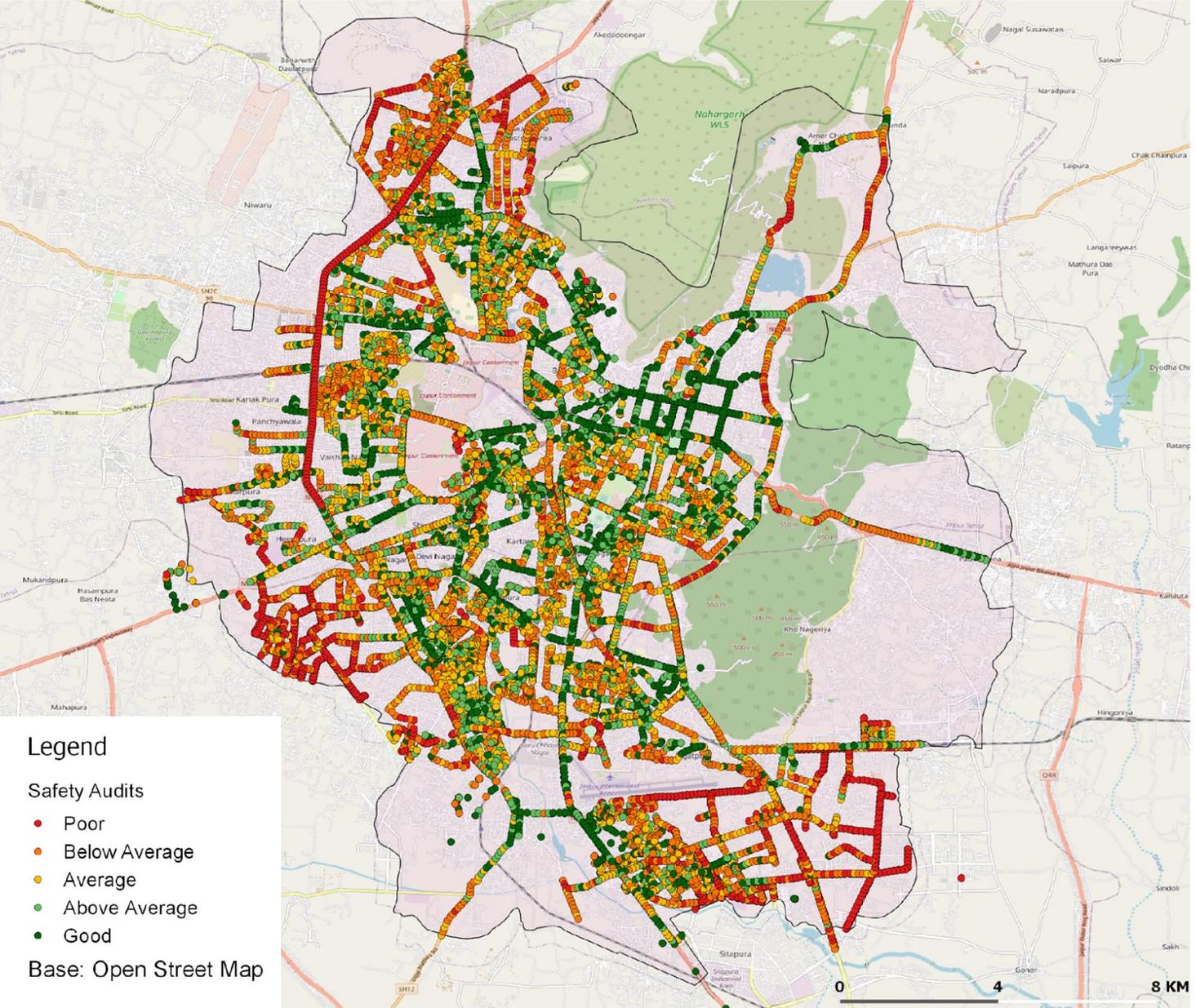
A. City-level Mapping :

Over 10,000 audit points were mapped to assess infrastructure and built environment covering 1078 km of road.

B. Safety Audits:

1500+ Safety Audits conducted by young women and men in different areas

1078 km of city road length mapped



Lighting

Streetlights on both sides of the road

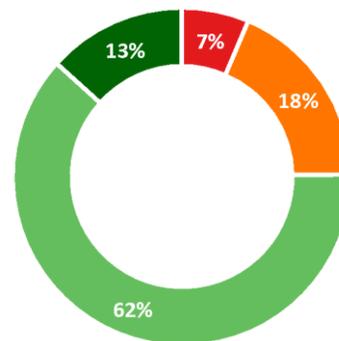


No Streetlight



“Sirf ek light lagi hai, wo bhi sirf main road pe, dono taraf ped paudhe hai, beech mein sadak.”
- Man, 27 years

“Rasta bahut sunsan hai, light nahi hai. Akele nahi nikalti, mummy ya bhai ke saath nikalti hu.”
- Woman, 21 years



■ Poor Light ■ Some Light ■ Enough Light ■ Bright Light

87% of the points with adequate street lighting were found to have a good presence of women and children

Pavement

Broken Pavement



Obstructed Pavement

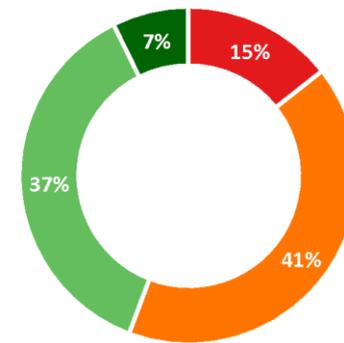


“Rasta kharab hai, dukane band ho jati hai, logo ka ana jaana bhi band ho jata hai”

- Woman, 23 years

“Humare ghar se 80 ft. road akele nahi jaa sakte. Waha se kahi bhi jaa sakti hu, par waha tak nahi jaa sakti. Raste pe chal nahi sakte, kharab or sunsaan hai”

- Woman, 25 years



■ None ■ Poor ■ Fair ■ Good

50% of the points with poor quality pavements had high usage by pedestrians

Public Transport

Bus shelter with signage

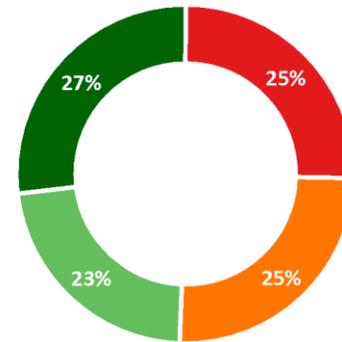


No bus shelter or signage



“Daily aana jaana asan nahi hai, bus stop door hai. Private college mein bas paper dene jana hota hai.”
-Man, 19 years

“Din mein 3 baar bus aati thi, to wait karna padta tha.”
- Woman, 26 years



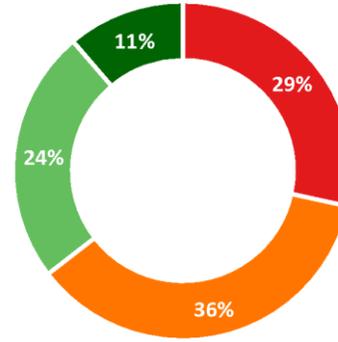
■ Unavailable ■ Distant ■ Nearby ■ Very Close

50% of the city has public transport within 5 minutes walking

Out of 393 audited bus stops, only 15% have a bus shelter

Natural Surveillance & Gender Usage

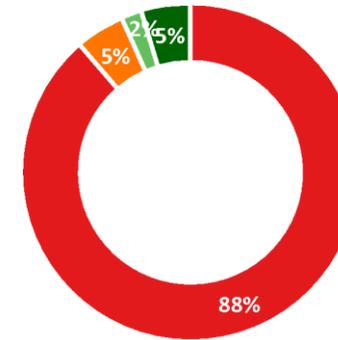
Poor visibility



■ No Eyes ■ Few Eyes ■ More Eyes ■ Highly Visible

“Lambe raste se jaati hu kyuki chhota rasta kharab hai. Din mein aur log hote hai, raat mein koi jata nahi.” - Woman, 25 years

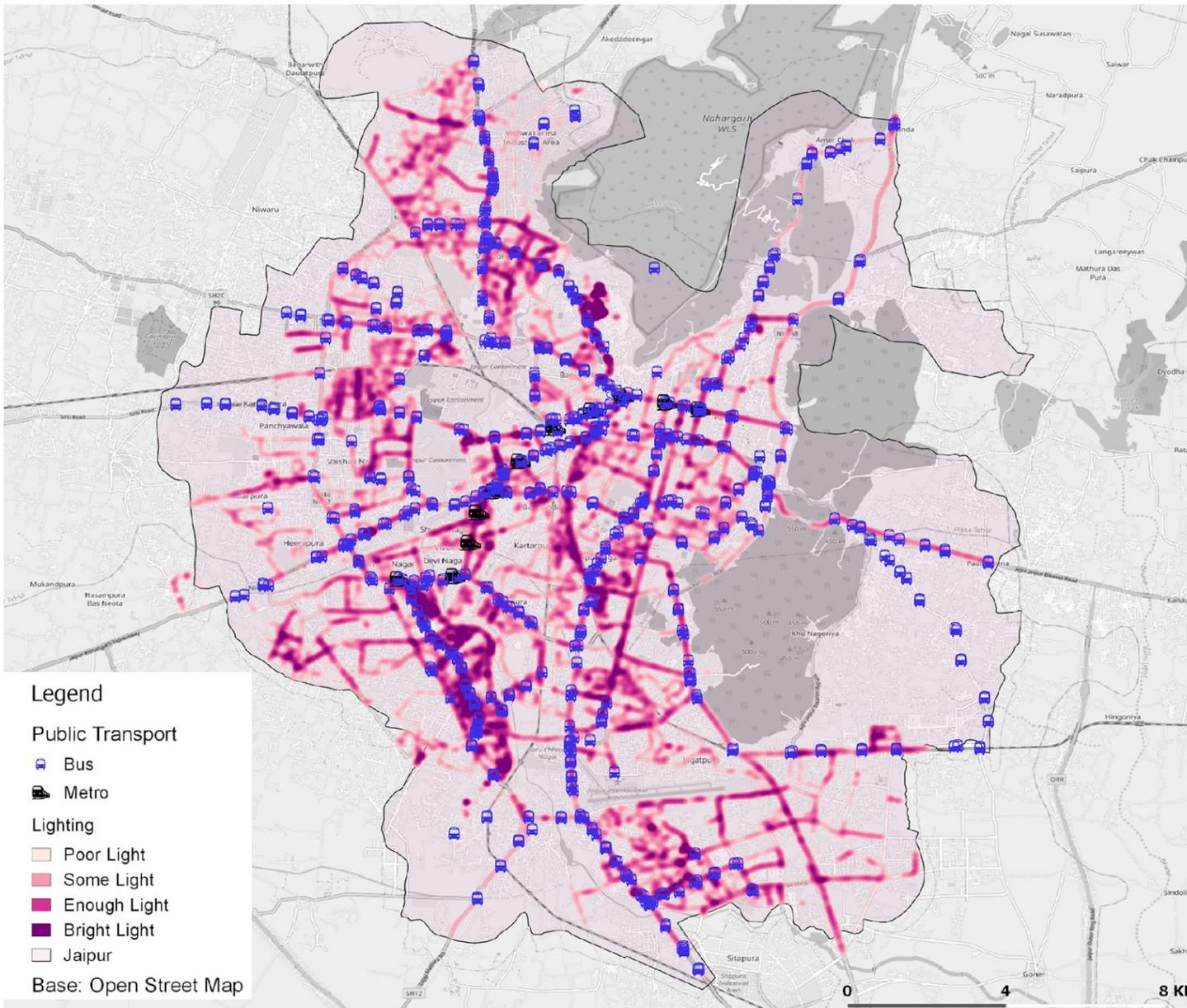
No presence of women & children even in a residential area



■ Not Diverse ■ Somewhat Diverse ■ Fairly Diverse ■ Diverse

“Coaching ke 100 m pe ek daaru ki dukaan hai, log waha baith ke peete hai, unn area mein jaa hi nahi sakte” - Woman, 19 years

Correlation between street lighting conditions and bus stop locations

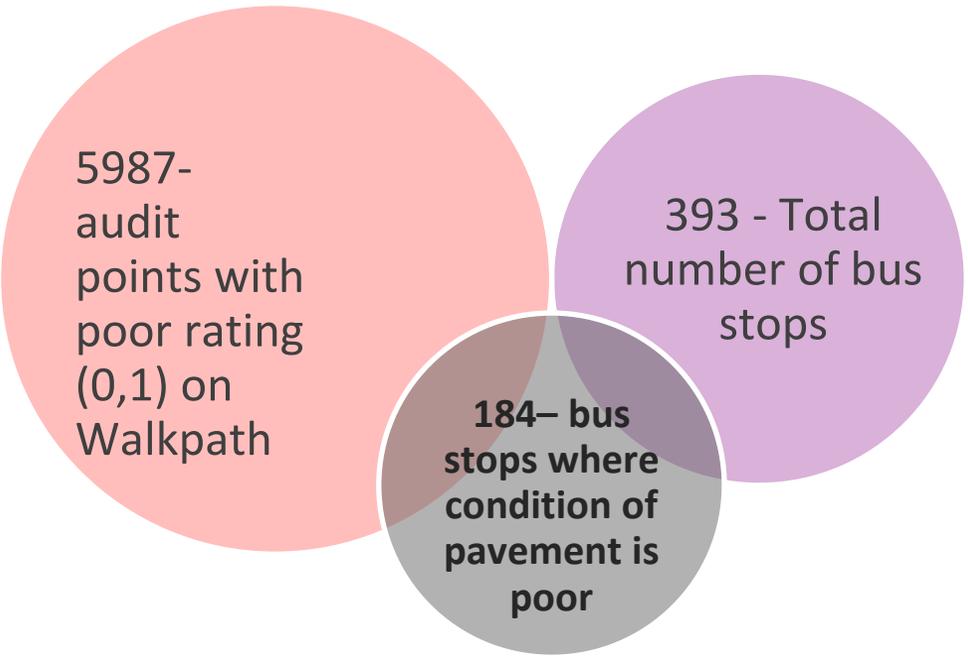
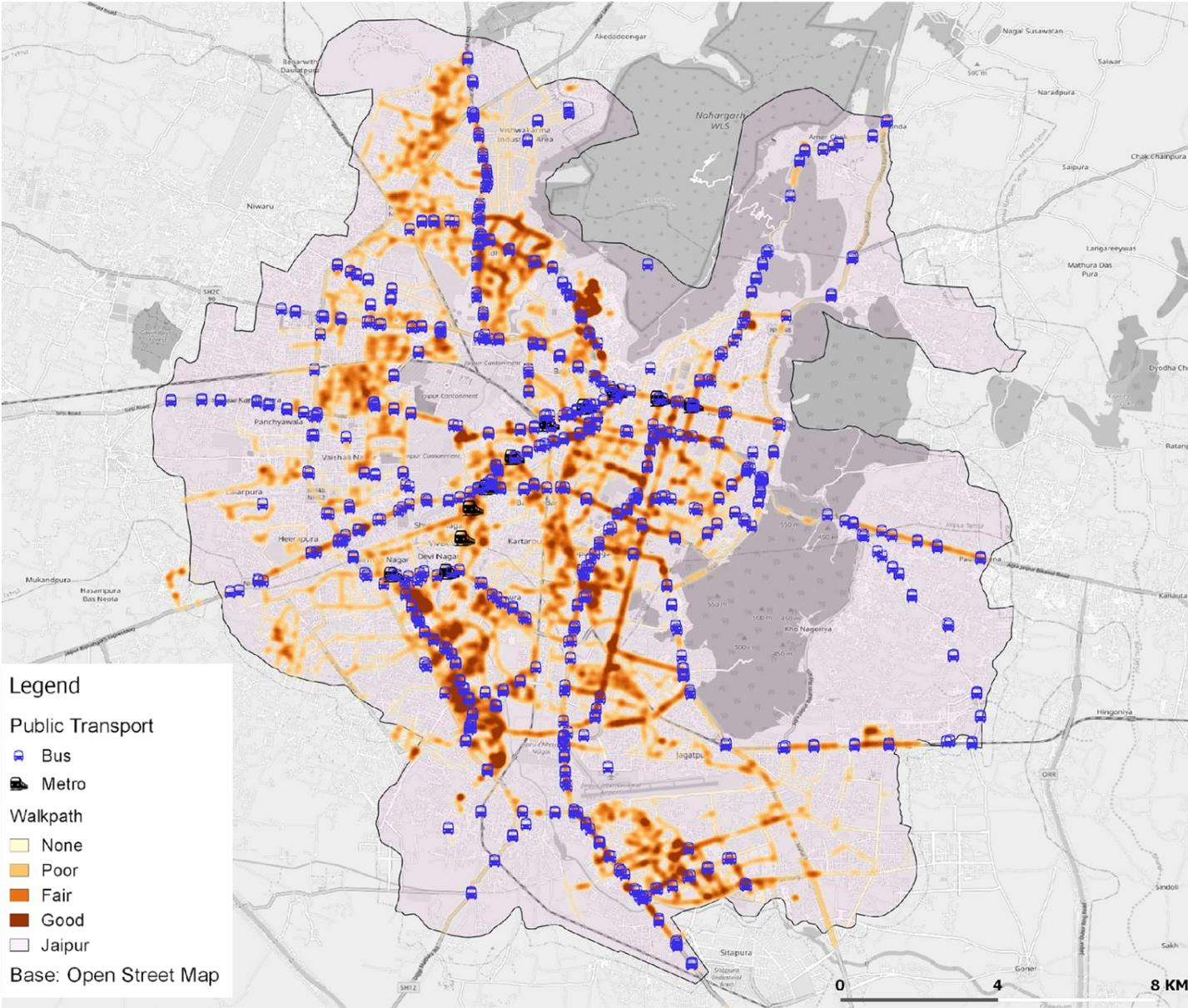


2661 audit points with poor rating (0,1) on Lighting

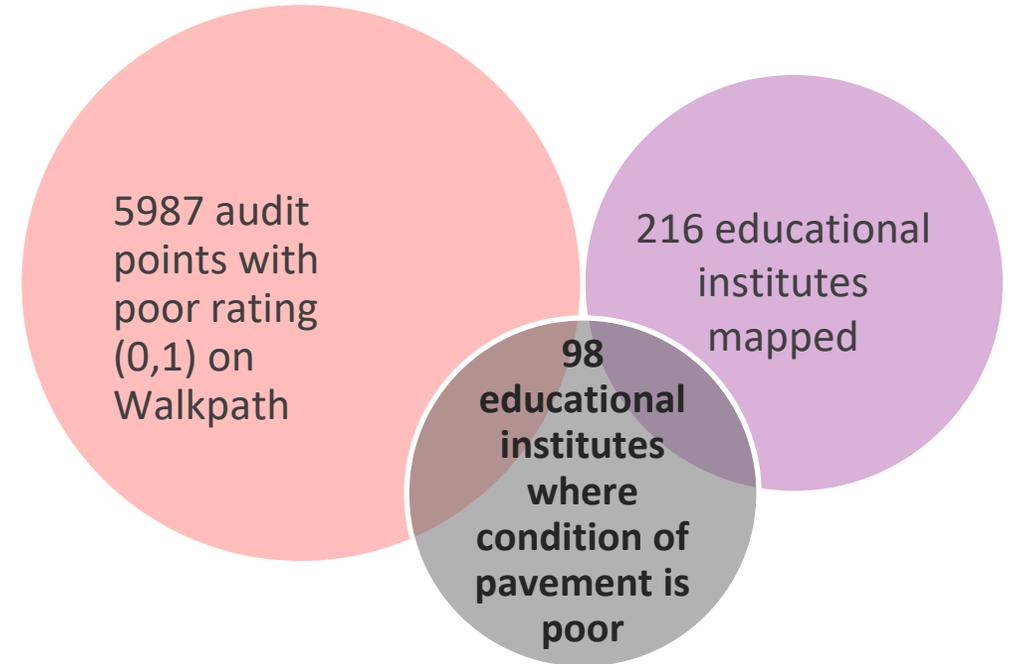
393 - Total number of bus stops

49 – bus stops where lighting is poor

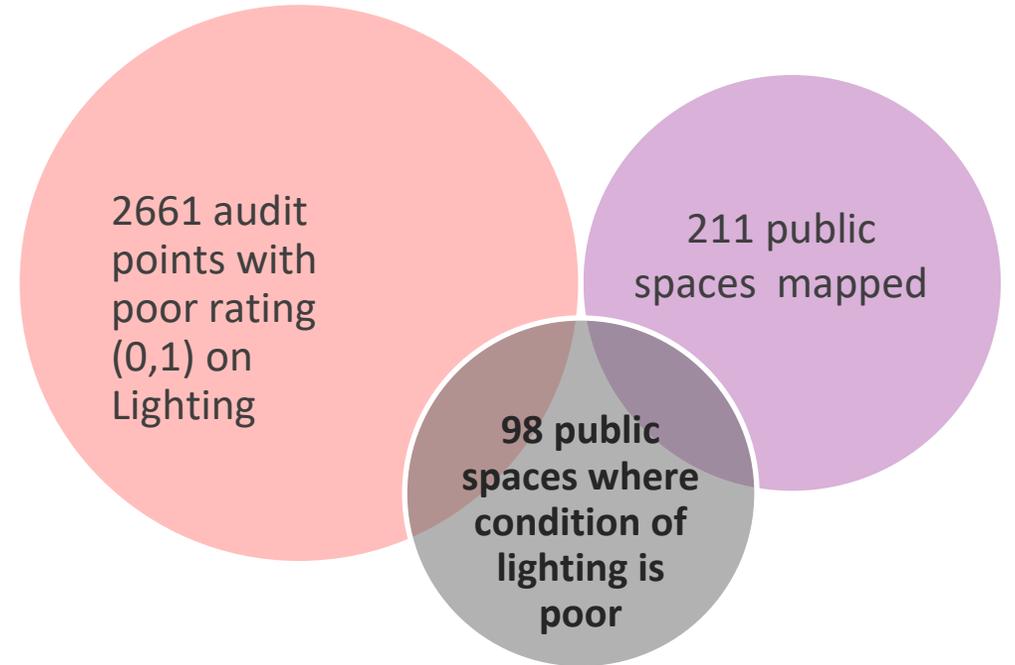
Correlation between pavement conditions and bus stop locations



Correlation between pavement conditions and location of educational institutes (Colleges)



Correlation between street lighting conditions and location of public spaces (cultural places, forts, lakes & parks)



Recommendations



LIGHT

- Only 25% of the city has no or very poor street lighting.
- Of the areas mapped, 18% of colleges, 12% of bus stops & metro stations and 21% of public places **do not have adequate street lighting** around them. Provide well-lit streets to improve the perception of safety among people, especially girls and young women.



WALK PATH

- 56% of the city has discontinuous, broken and obstructed pavements.
- Of the areas mapped, 45% of colleges, 47% of bus stops & metro stations and 49% of public places **do not have proper pavements** around them. Provide walkable pavements to enhance access and reach to opportunities and resources in the city for young people and others.



TRANSPORT

- 85% of the bus stops studied do not have bus shelters and signage. Make bus shelters with proper signage, lighting and seating for waiting to enhance safe access to public transport.

Safety with Simplicity.
I no longer need to worry
about late night commute
with Safetipin.
(Priyanka Kulkarni,
User)

A handy tool for safer
routes especially for
women.
(Host Cryce, User)

THANK YOU !



Scan the QR code to visit our website

citiesforyouth.safetipin.com