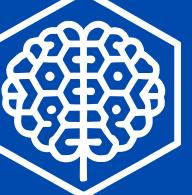
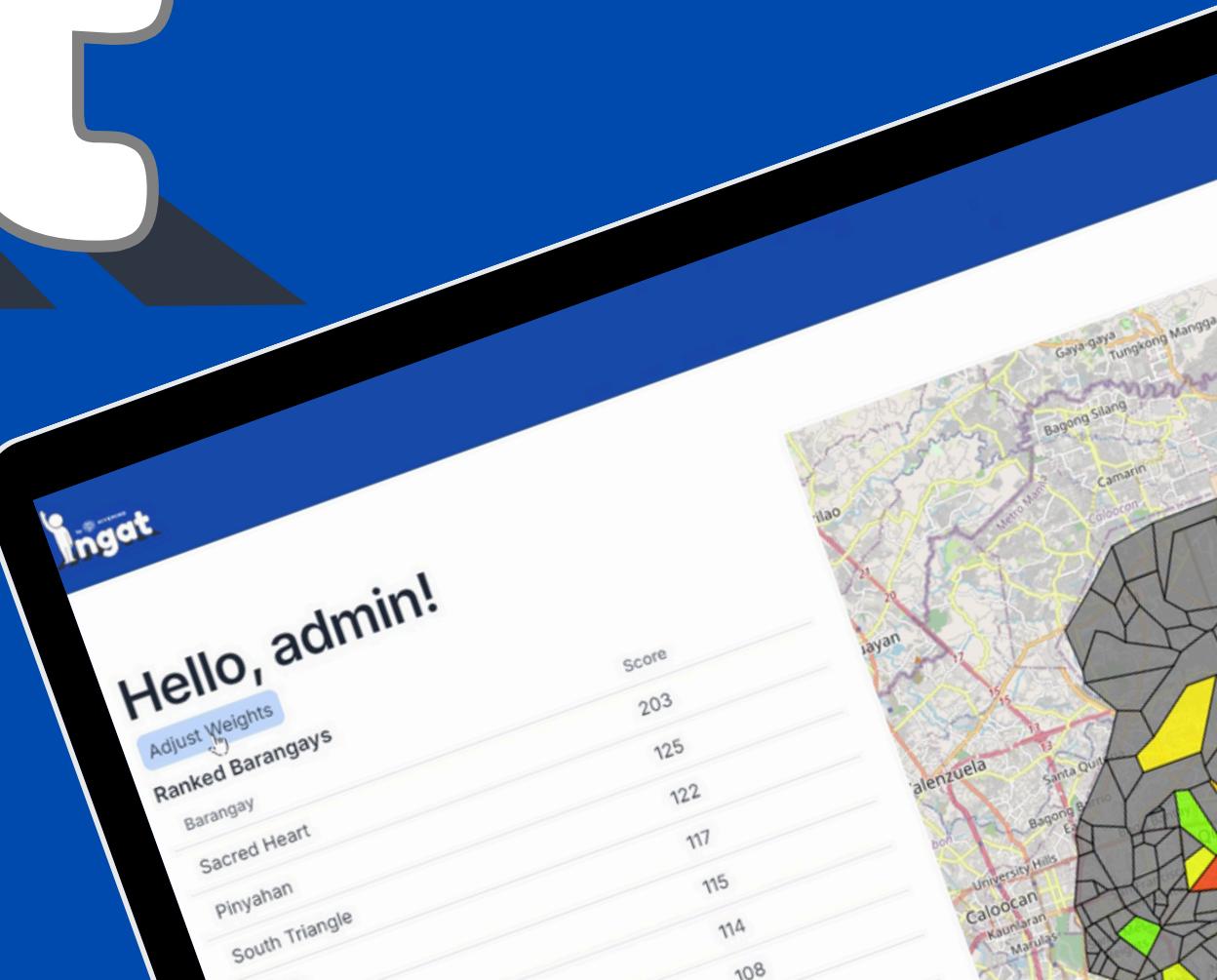


by  HIVEMIND

# ingat



# CAR-CENTRISM

The Bane of Filipino  
Urban Cities

IN 2022,

**13,889,136**

registered cars

**~1,600**

registered cars per hour

Source: International Trade Administration (2023)



**9 out of 10 people**  
considers walking if walkability is improved

Source: International Research on Placemaking and Urban Sustainability (2021)



English ▾



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## Philippines' car-centric society: Time to switch lanes

Metro Manila's road congestion woes can be solved. But they have been hampered by slow implementation and weak political will.



Campus of Cars

STUDENTS

TRANSPORTATION

### In Hopes of a Less Car-Centric Campus

Until the government itself can alter not only its projects but also its goals to be more people-focused, local communities will likely remain car-centric.

Spotlight

### 57,000 pedestrians hurt in PH road accidents in a decade: DOH

Katrina Domingo, ABS-CBN News

Published May 04, 2021 06:39 PM PHT



by  HIVEMIND

# ingat



The screenshot shows a map of Quezon City with various streets, landmarks, and infrastructure like EDSA and MRT lines. Overlaid on the map is a "Submit Feedback" form. The form includes fields for "Street: East Avenue", "Barangay: Diliman", "City: Quezon City", "Category" (a dropdown menu), and "Message" (a text area with a character limit of 0/240). Below the message area is a "Cancel" button and a blue "Submit" button.

The screenshot shows the Ingat admin dashboard. At the top, it says "Hello, admin!" and has a "Go to user" button. Below that is a section titled "Ranked Barangays" with a "Adjust Weights" link. The table lists 15 barangays with their scores:

Barangay	Score
Sacred Heart	203
Pinyahan	125
South Triangle	122
Cubao	117
Doña Aurora	115
Loyola Heights	114
Kamuning	108
Vasra	107
Batasan Hills	104
Tandang Sora	103
West Triangle	102

To the right of the dashboard is a map of the Metro Manila area, specifically showing Quezon City and surrounding areas. The map features a large, stylized brain graphic overlaid on the barangay boundaries, with different colors (grey, yellow, green, red) representing different data points or clusters.

# HOW DO WE USE THE DATA?

## GATHERING

Submit Feedback

Street: East Avenue  
Barangay: Diliman  
City: Quezon City

Category  
Select a category

Message  
Describe the issue... 0/240

Cancel Submit

## SUMMARIZING

User Reports

Overall

Reports for Overall

**Summary**

1. Overview

This report summarizes citizen feedback concerning various aspects of Quezon City's infrastructure issues impacting the quality of life for residents and necessitates immediate attention from the Local Government Unit. The feedback covers a wide range of concerns including road congestion, cleanliness, safety, accessibility, and waste management.

2. Key Findings

Several key trends emerge from the data:

- Lack of Infrastructure and Maintenance:** The most prevalent issues relate to poor infrastructure and maintenance, including uneven sidewalks, overflowing garbage bins and widespread littering, insufficient street lighting, and damaged drainage systems leading to frequent flooding. The absence of adequate bike lanes and pedestrian walkways is also a concern.
- Safety Concerns:** Citizens consistently express concerns about safety, citing aggressive driving, illegal parking, and the presence of stray animals and petty crime (snatchers and thieves).
- Accessibility Issues:** The lack of accessibility for persons with disabilities is a recurring theme, with many reporting difficulties navigating city streets without ramps.
- Inadequate Waste Management:** The overflowing garbage bins and pervasive littering point to a significant issue of environmental hygiene.
- Noise and Air Pollution:** High levels of noise pollution from traffic and construction, along with significant air pollution, are major concerns for residents.
- Lack of Urban Amenities:** The absence of sufficient public restrooms, benches, and shaded areas is a common complaint.

3. Implications for LGU and Urban Planning

The data underscores the need for comprehensive improvements in Quezon City's urban planning, including:

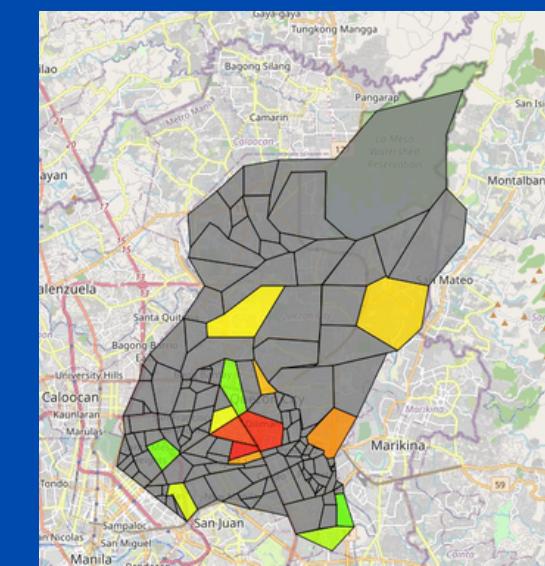
- Public Health:** Poor sanitation, air pollution, and lack of weather protection can negatively impact public health.
- Economic Development:** Damaged infrastructure and safety concerns can deter investment and hurt the local economy.
- Social Equity:** The lack of accessibility for PWDs and inadequate public amenities disproportionately affect marginalized communities.
- Environmental Sustainability:** Poor waste management and inadequate drainage contribute to environmental degradation.

4. Recommendations

## CATEGORIZING

Ranked Barangays	
Barangay	Score
Sacred Heart	203
Pinyahan	125
South Triangle	122
Dohà Aurora	115
Loyola Heights	114
Kamuning	108
Vasra	107
Cubao	103
Tandang Sora	103
West Triangle	102
Batasan Hills	96
Project 8	93
Ugong Norte	92
UP Village	90
Bagong Pag-asaya	89
Dohà Imelda	89
Balintawak	80
Santo Domingo	77
Bagumbayan	76

## VISUALIZING



Nextjs + Heroku X +

localhost:3000

Search... Admin access

# ingat

Submit Feedback

Loading location details...

Category

Select a category

Message

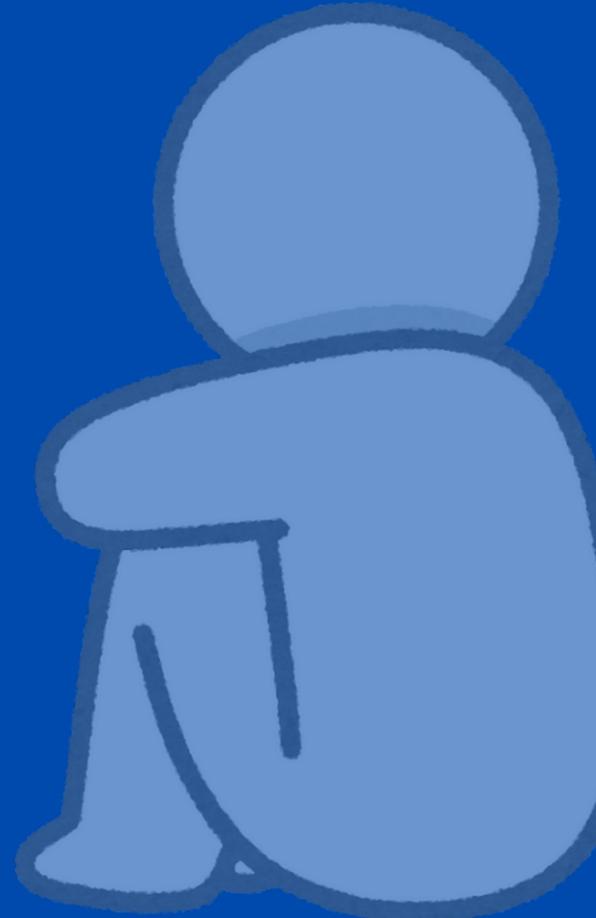
Describe the issue...

Cancel Submit

# LACK OF USER INCENTIVES



# TRANSPARENCY



**ingat**

News I'm an admin

## QC GORA lane encourages walking

May 27, 2021, 8:17 pm

Share Share 79

MANILA – A 5.39-kilometer redeveloped pedestrian corridor, dubbed the Green, Open, Renewable, Access (GORA) lane, was launched in Quezon City on Thursday for safe and walkable streets.

Mayor Joy Belmonte said in a statement that the GORA lane is the first of its kind in QC.

"Our residents deserve more open space than ever and our recovery will come to life on these streets," Belmonte said.

The GORA lane that passes through Doña Hemady Avenue, Scout Tobias Street, and Mother Ignacia Avenue is expected to provide residents with access to the city's three major roads, namely Aurora Boulevard, Quezon Avenue, and Edsa.

Belmonte highlighted the significance of having an active mode of transportation that includes walking, especially now that public transportation and mobility are still limited because of the coronavirus disease 2019 pandemic.

She added that through the project, the city government hopes to encourage its citizens to walk more and "go places" through a network of sustainable, walkable, safe, accessible, and beautiful streets.

Belmonte expects that the redeveloped pedestrian corridors will help boost economic activities in the city by connecting commercial areas such as those on Gilmore Street, Tomas Morato Avenue, and Timog Avenue.



**GORA LANE.** Quezon City's redeveloped pedestrian corridor dubbed as the Green, Open, Renewable, Access (GORA) lane is launched Thursday (May 27, 2021). The project aims to promote walking among its constituents, Mayor Joy Belmonte said in a statement. (PNA file photo)

Feedback:

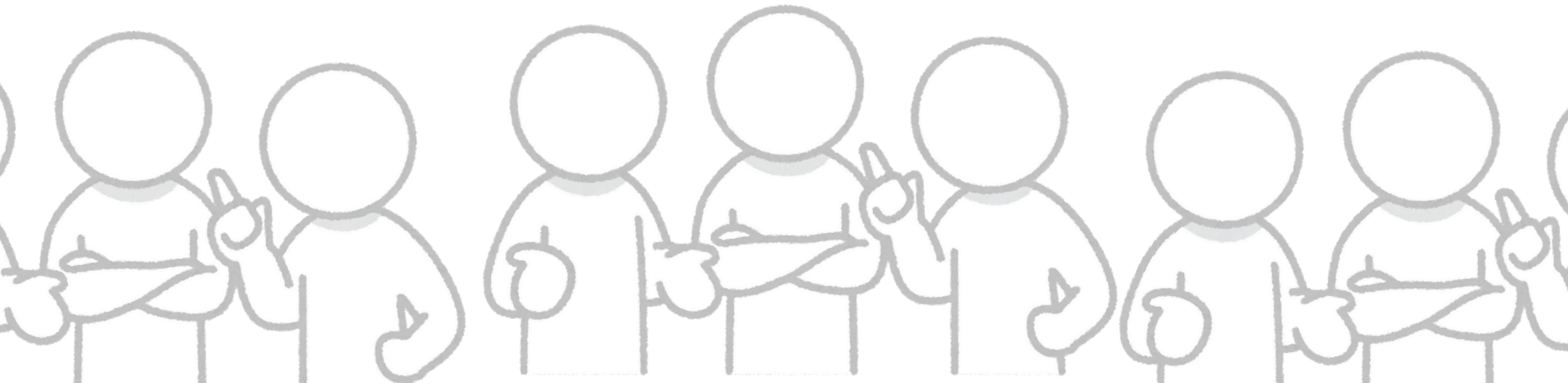
Key Performance Metric

**PARTNER WITH AT LEAST  
3 URBAN PLANNING AGENCIES**



**RECEIVE  
100 COMPLAINTS  
WITHIN 6 MONTHS**

Key Performance Metric



**Key Performance Metric**

**ACTIONABLE SUMMARIES FOR  
90% OF CASES  
WITHIN 24 HOURS**

## Other Key Performance Metrics

**QUARTERLY LGU  
SYSTEM ADOPTION**

**CONSISTENT 500  
MONTHLY ACTIVE USERS**

**CATEGORIZED 80% OF  
RECEIVED COMPLAINTS**

**INFLUENCED THREE URBAN  
PLANNING INITIATIVES**

**QUEZON CITY**



**BARANGAY**

**COMPLAINTS**

QUEZON CITY

BARANGAY



COMPLAINTS

**1-2 MONTHS**

ORIENTATIONS. PARTNERSHIPS. LAUNCH

**3-4 MONTHS**

ADOPTION. CATEGORIZING. ACTIONABLE DATA

**5-6 MONTHS**

DATA MILESTONE. MORE PARTNERSHIPS. OPTIMIZATION

**7-9 MONTHS**

USER EXPANSION. SUPPORT INFRASTRUCTURES

**10-12 MONTHS**

MORE USERS. MORE PARTNERSHIPS. KPI STANDARDS

**TIMELINE**

**FUTURE PLANS**

**EASIER BUDGET  
ESTIMATION**

**WALKABILITY  
SCORE OF AREAS**

**USER  
VERIFICATION**

**PEDESTRIAN-BASED  
ROUTING**



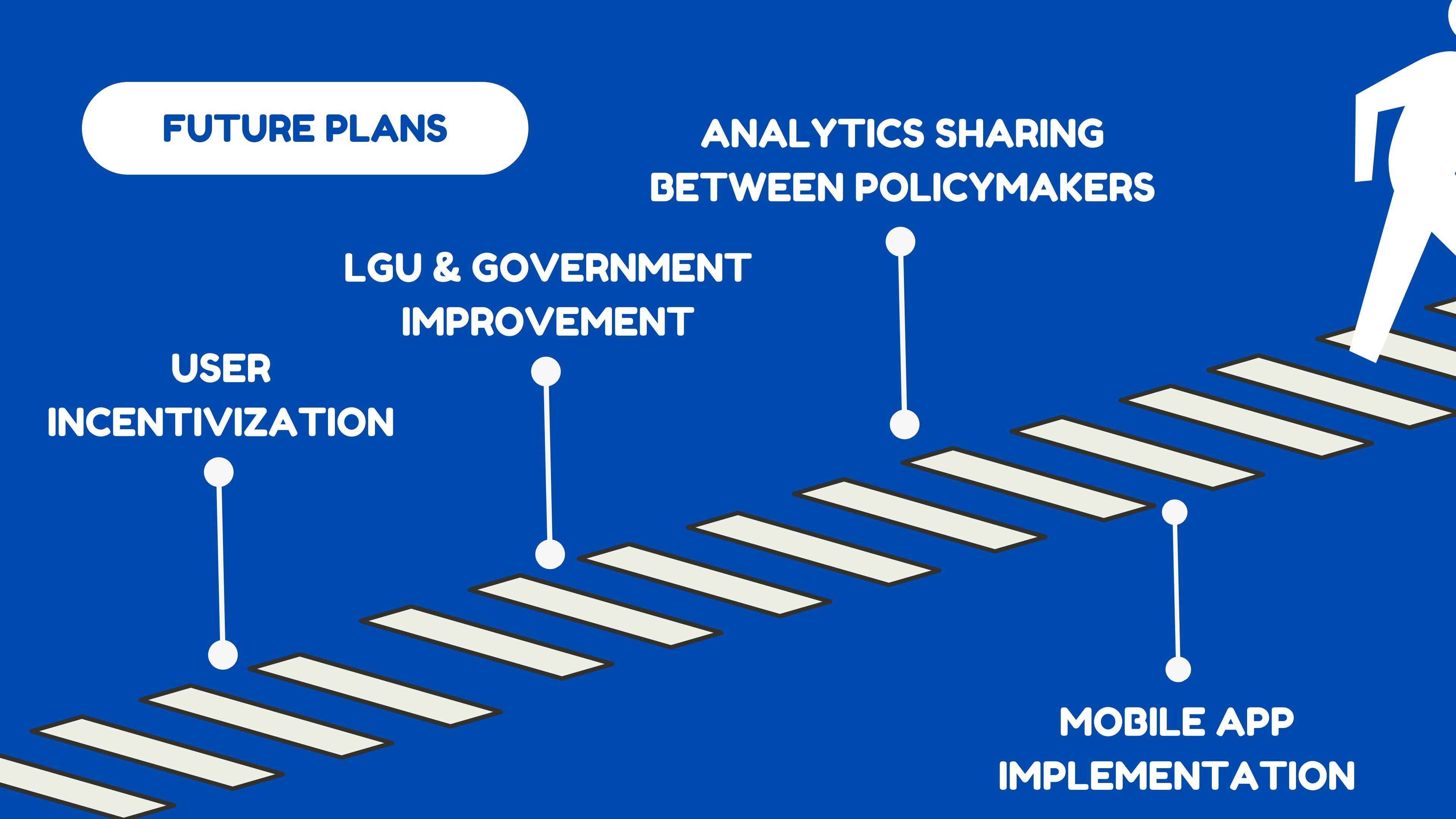
**FUTURE PLANS**

**ANALYTICS SHARING  
BETWEEN POLICYMAKERS**

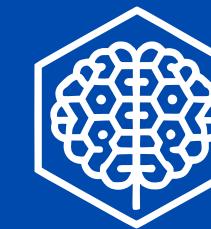
**LGU & GOVERNMENT  
IMPROVEMENT**

**USER  
INCENTIVIZATION**

**MOBILE APP  
IMPLEMENTATION**



# Meet the Team



HIVEMIND



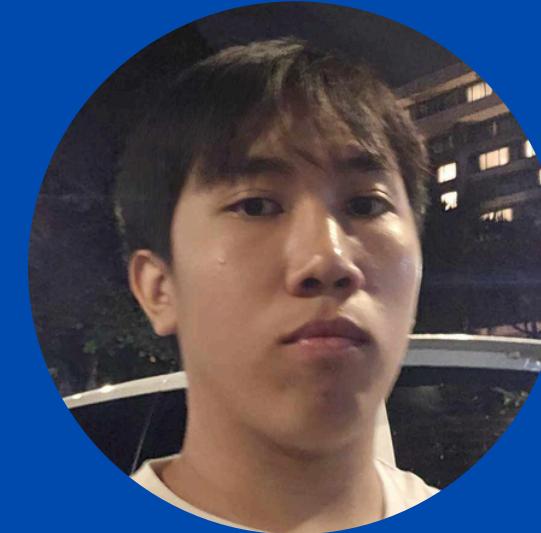
Aui Noichi Malco



Andrae Mapute



Kaye Pabico



Erix Reyes



Johndyle Yasis

University of the Philippines - Los Baños

BS Computer Science

# Your voice

for safer paths

to share

Your voice

for safer paths

+  
to share

Your voice  
for safer paths

to share

Your voice  
for safer paths

to share



by HIVEMIND

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# REFERENCES

Obinguar, D. D., & Iryo-Asano, M. (2021). Macroscopic analysis on the frequency and severity of pedestrian crashes on national roads in Metro Manila, Philippines. *IATSS Research*, 45(4), 521–529. <https://doi.org/10.1016/j.iatssr.2021.06.003>

Domeneghini, J., Macke, J., & Sarate, J.A. (2022). Walkability Drivers for Sustainable Cities: a Pedestrian Behavior Survey. *Journal of Sustainable Architecture and Civil Engineering*.

Philippine Automotive Aftermarket. (2023, September 28). International Trade Administration | Trade.gov. <https://www.trade.gov/market-intelligence/phillipine-automotive-aftermarket>

AlQahtany, A., Abdelhamid, H. T., Shinawi, A., AlQahtani, A., & Alshabibi, N. M. (2021). Assessing the relationship between sidewalk walkability and pedestrians' travel behaviors in hot arid regions: Khobar, Saudi Arabia. *Journal of Urbanism: International Research on Placemaking and Urban Sustainability*, 17(1), 137–163. <https://doi.org/10.1080/17549175.2021.2013931>

<https://github.com/faeldon/phillippines-json-maps>

<https://leafletjs.com>