**Presented by:** Varun Singla



**A Tech-Driven Solution for Urban Challenges**

# Janta Ka **Reporter**

**Institution & Location: Punjab Engineering College, Chandigarh**

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# Problem Statements & Stakeholder Analysis

- **Key Problems Identified:**

1. **Unhygienic Environment:** Waste mismanagement and lack of sanitation.
2. **Animal Cruelty:** No immediate reporting system for abused or abandoned animals.
3. **Unauthorized Access:** Illegal occupation of restricted areas.
4. **Crime Reporting:** Inefficient crime reporting mechanisms.

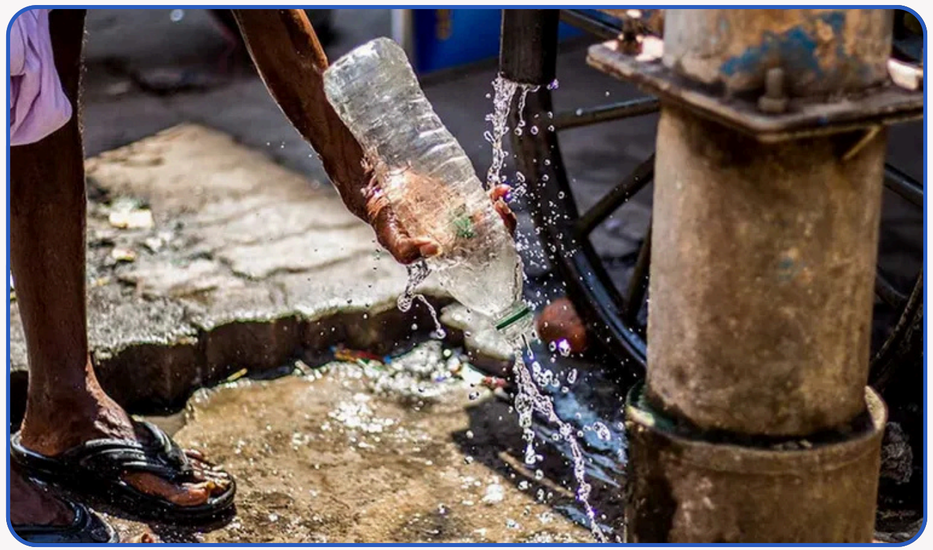
- **Stakeholders Affected:**

1. **Citizens:** Face poor living conditions and security risks.
2. **Municipal Authorities & Government Bodies:** Need efficient tools for waste and law enforcement.
3. **NGOs & Advocacy Groups:** Work towards sustainability and ethical treatment.
4. **Law Enforcement & Security Agencies:** Require fast, reliable information for action.



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# Why Focus on **Unhygienic Environments?**



- **Key Reasons for Selection:**
- **Health Impact:** Waste mismanagement leads to the spread of diseases like dengue, cholera, and respiratory infections.
- **Feasibility of Implementation:**
  - Proven models for smart waste tracking exist in cities like Singapore and New York.
- **Sustainability Factor:**
  - Clean cities promote better tourism, real estate value, and economic growth.

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# Challenges & **Mitigation Strategies**

**Potential Challenges:**
Resistance to Adoption: People may hesitate to use the app.
**Mitigation:**
Awareness campaigns and incentivization.

**Municipal Integration Issues:**
Authorities may resist adopting new technology.
**Mitigation:**
Pilot project testing to demonstrate scalability.

**Funding & Scalability:**
Scaling the platform to different cities requires financial support.
**Mitigation:**
Partnerships with Smart City initiatives and corporate sponsorships.





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# Proposed Technological **Approach**

- **Smart Waste-Reporting Mobile App:**
  - **Features:**
    i. Geolocation-based reporting: Citizens can mark waste hotspots on a map.
    ii. Real-time tracking: Users receive updates on complaint resolution.
    iii. Community-driven approach: Users can vote or comment on issues.
    iv. Incentive system: Reward points for responsible waste disposal.



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# How it **Works?**



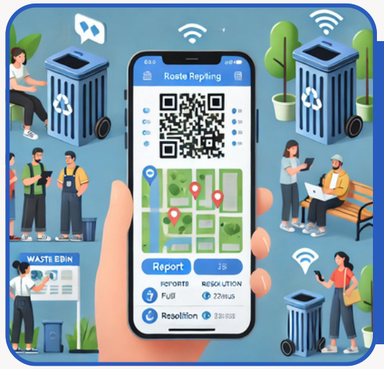

## REPORT WASTE

A person taking a photo of garbage using the mobile app, selecting waste type, and submitting the report.




## ACTION BY AUTHORITIES

Waste collectors receiving optimized routes and cleaning up the reported area.




## PRIORITIZE ISSUES

AI analyzing the waste type and urgency, with users upvoting critical issues.




## TRACK PROGRESS AND REWARDS

The app showing "Complaint Resolved" status with reward points awarded.

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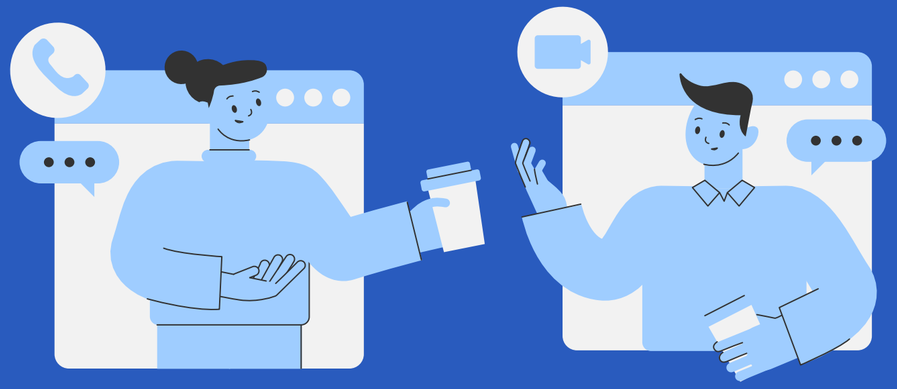
# Expected Impact **& Key Metrics**

40% reduction in unattended waste complaints (6 months).

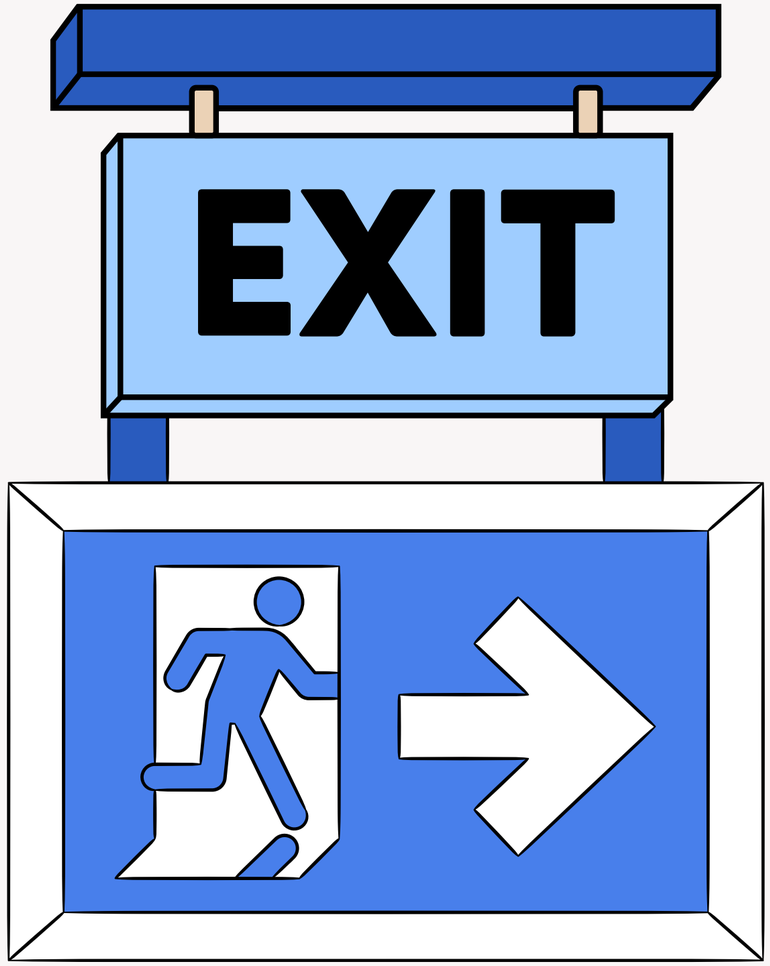
Increase in waste segregation rates (tracked via app analytics).

Rise in citizen engagement (reports filed per month).

Cleaner urban spaces → Better public health & environmental quality.



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# Conclusion

Janta Ke Reporters – AI-Powered Waste Management for a Cleaner Future!

Empowering Citizens – Easy reporting & tracking.

AI-Driven Efficiency – Faster & smarter waste collection.

Municipal Collaboration – Data-driven urban cleanliness solutions.

**Together, we create a sustainable & healthier urban environment!**

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# Thank **You!**

