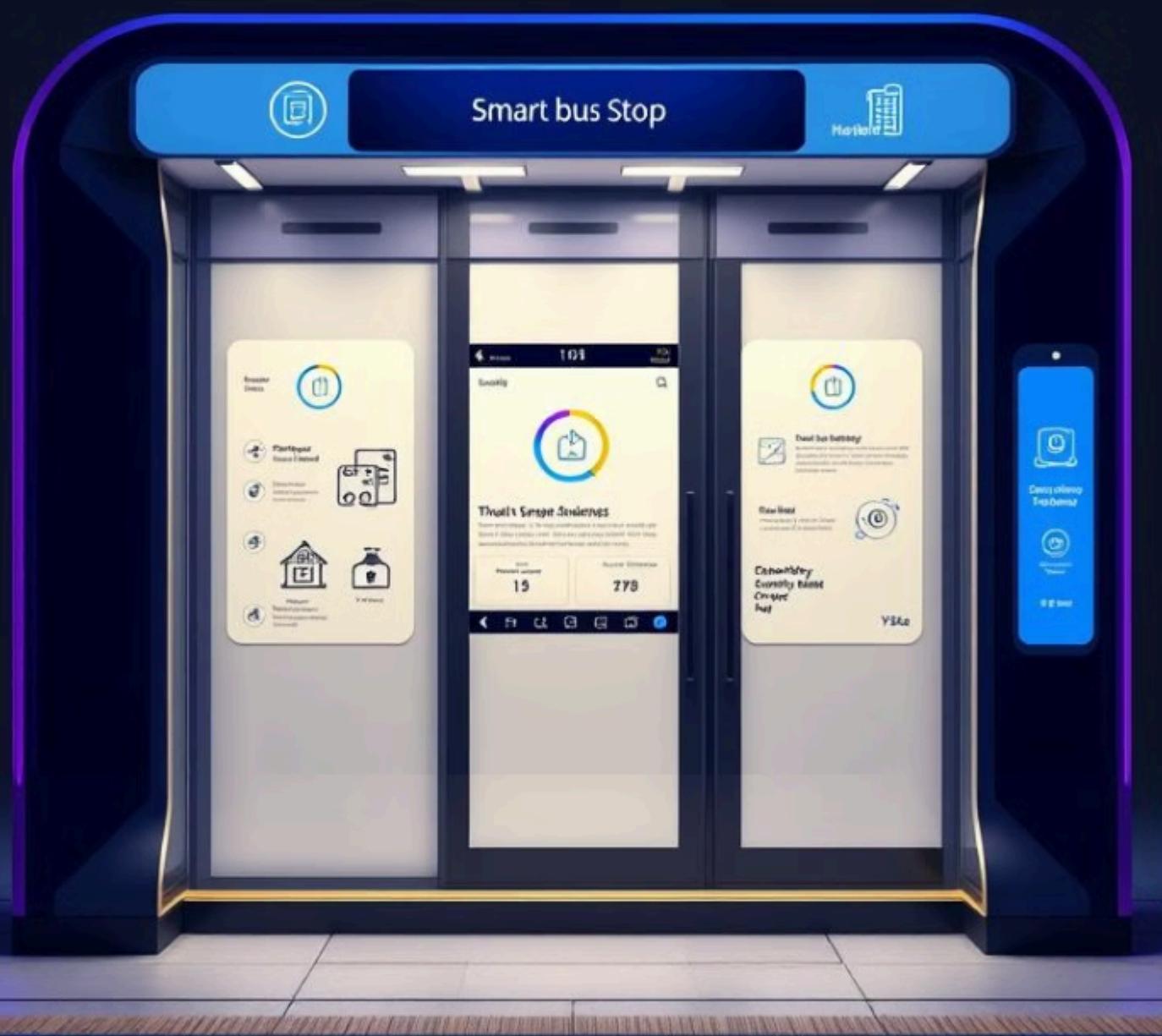


Smart Bus Stop: Reimagining Public Transit



A modern, tech-inspired vision for public transit. Seamlessly integrating technology for an improved commuter experience. Project by [Team Circuit 25](#), Dwarkadas J. Sanghvi college of engineering.

TEAM MEMBERS

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The Commuter's Dilemma & Our



The Problem

- Overcrowding
- Lack of Real-time Tracking
- Inefficient Ticketing



Our Solution

Smart Automation for a Seamless Transit Experience with the help of machine learning And IoT.

Core Features: Intelligent & Connected

Live GPS Tracking

Know your bus's location in real-time.

Bus Recommendations

Intelligent route suggestions.

Smart Bin System & surveillance

Efficient waste management and cctv surveillance

RFID Ticketing & Seat Availability

Seamless boarding experience.



Technology Powering the Future of Transit



GPS

Precise location tracking.

RFID

Contactless identification.

IoT

Interconnected devices.

These technologies work together to create a smart and efficient bus stop system.

Live GPS Tracking: Know Your Bus's Location



Real-Time Bus

Track buses on your phone.



Accurate ETAs

Know exactly when your bus will arrive.





Bus Recommendations: Smart Route Suggestions

Optimal Routes

Suggests the best bus route according to current location.

Customizable Preferences

Prioritize routes by time.

Real-Time Updates

Adjust to delays.

Smart Bin System: Clean and Efficient Waste Management



Smart Sensors

Monitors fill levels in real-time, optimizing waste collection schedules.



Automated Alerts

Sends notifications to waste management when bins are full.

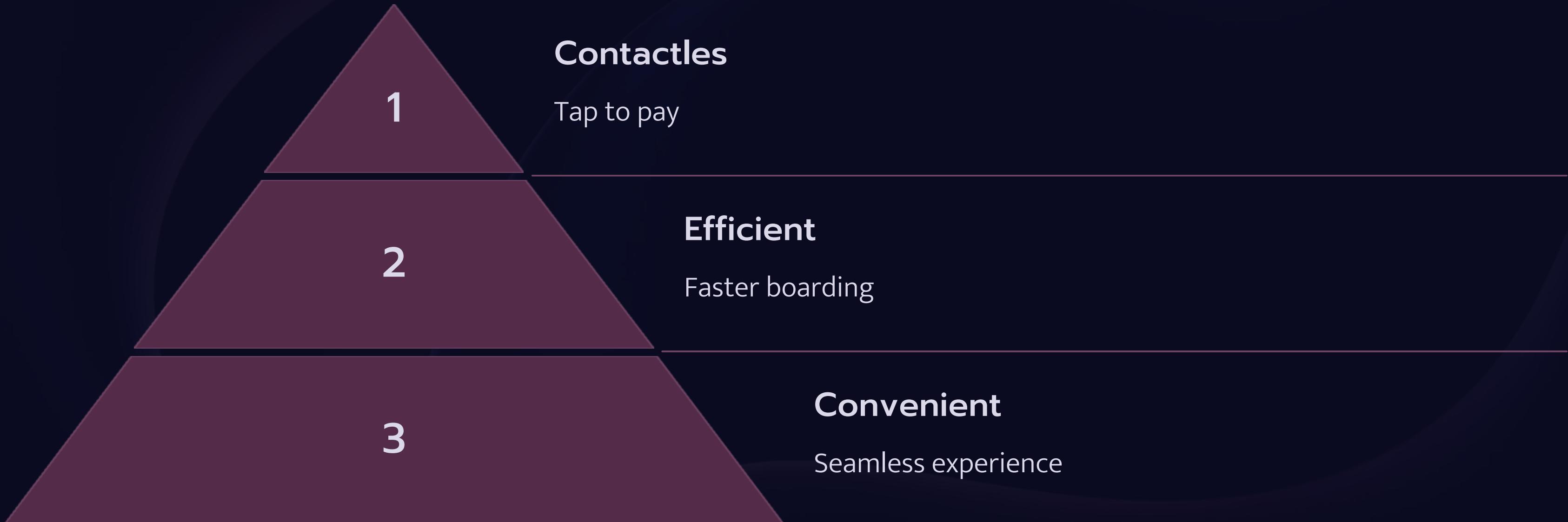


Efficient Collection

Reduces waste overflow and optimizes collection routes.

Our smart bin system revolutionizes waste management with real-time monitoring, automated alerts, and optimized collection routes.

RFID Ticketing & Seat Availability: Seamless Boarding Experience





Future Scope: Expanding the Horizon

AI Integration

Optimized route planning and predictive maintenance.

Metro Expansion Integration

Seamless multi-modal transit options.

Data-Driven

Continuous improvement based on usage patterns.



Conclusion: Transforming Transit, One Stop at a

Smart Bus Stops make public transit cleaner, cheaper, safer, more convenient.

- Improved Commuter Experience
- Reduced Congestion
- Sustainable Urban Development

THANK YOU

Team:- Circuit UNO