



# ECOREVOLVE

Revolutionizing Waste Management  
and Recycling

Presented By team:  
Catalysts

Team Members :  
Shreya Gupta (2200290100157) (CSE)  
Gaurav Gupta (2200290120070) (CS)



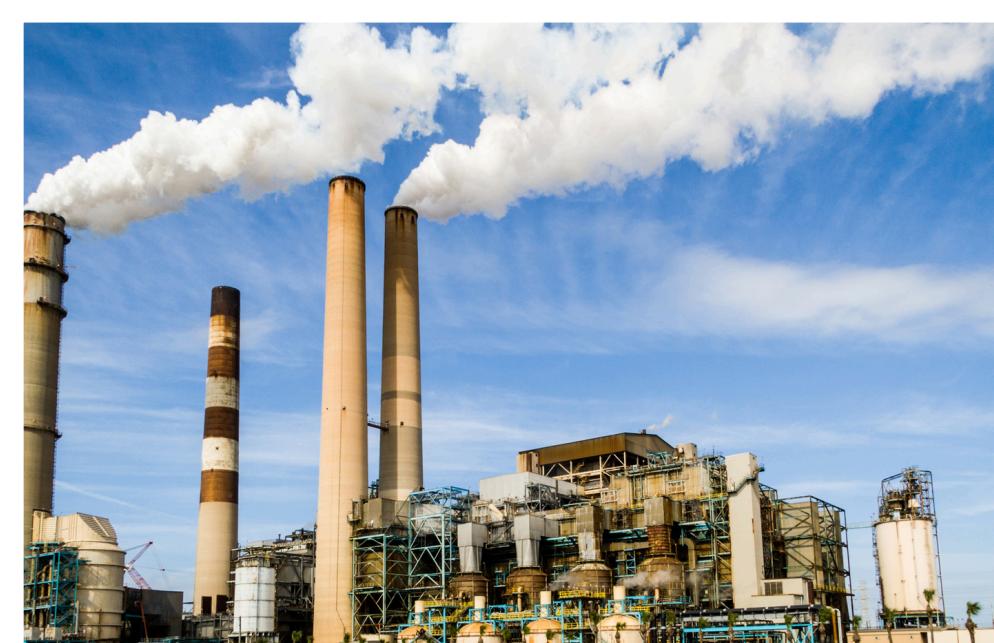
## MISSION

Revolutionize waste management through technology and collaboration, fostering sustainability and a circular economy.



## OVERVIEW

Our project Ecorevolve aims to Revolutionizing Waste Management and Recycling process through an AI powered platform connecting industries and waste management for efficient resource exchange and transforms industrial waste into valuable raw materials for use in diverse industries, fostering sustainability, reducing environmental impact, and promoting a circular economy.





# FEATURES

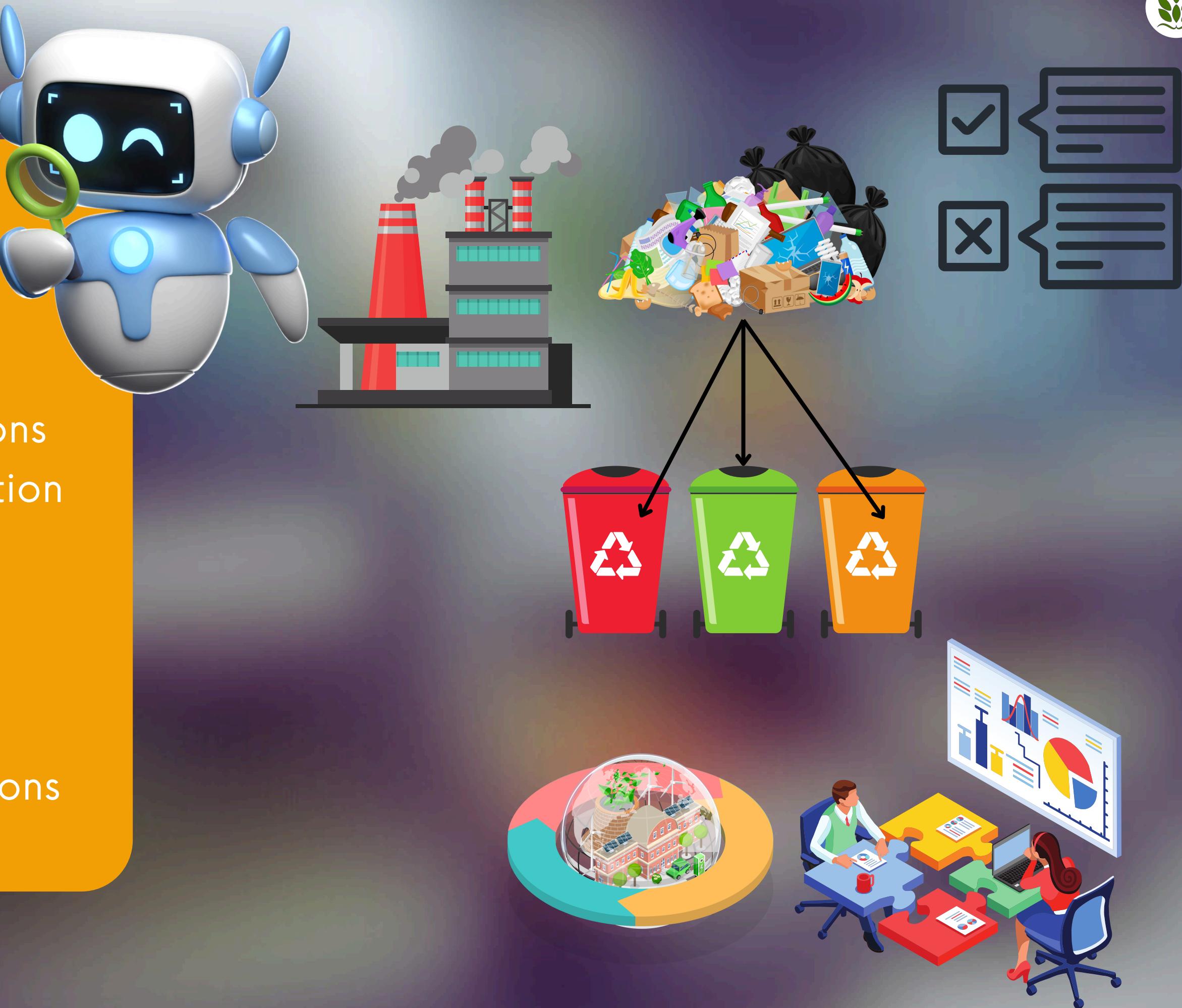


- AI-Powered Resource Exchange Platform
- Efficient Communication Tools
- Feedback and Ratings System
- Notification System
- User Profiles and Dashboard
- Public Showcase and Tours
- Recycling Center Locator
- Data Analytics



## ML MODEL

- Intelligent Waste Search
- Waste Utilization Suggestions
- Waste Recycling Optimization
- Environmental Impact Assessment
- Predictive Waste Trends
- User Behavior Analytics
- Collaborative Waste Solutions





# Technology Stack

1. Google Maps API
2. AWS
3. React.js
4. Node.js
5. Express.js
6. MongoDB
7. AI-powered Insights





# Try Our Great Website

Website Interface

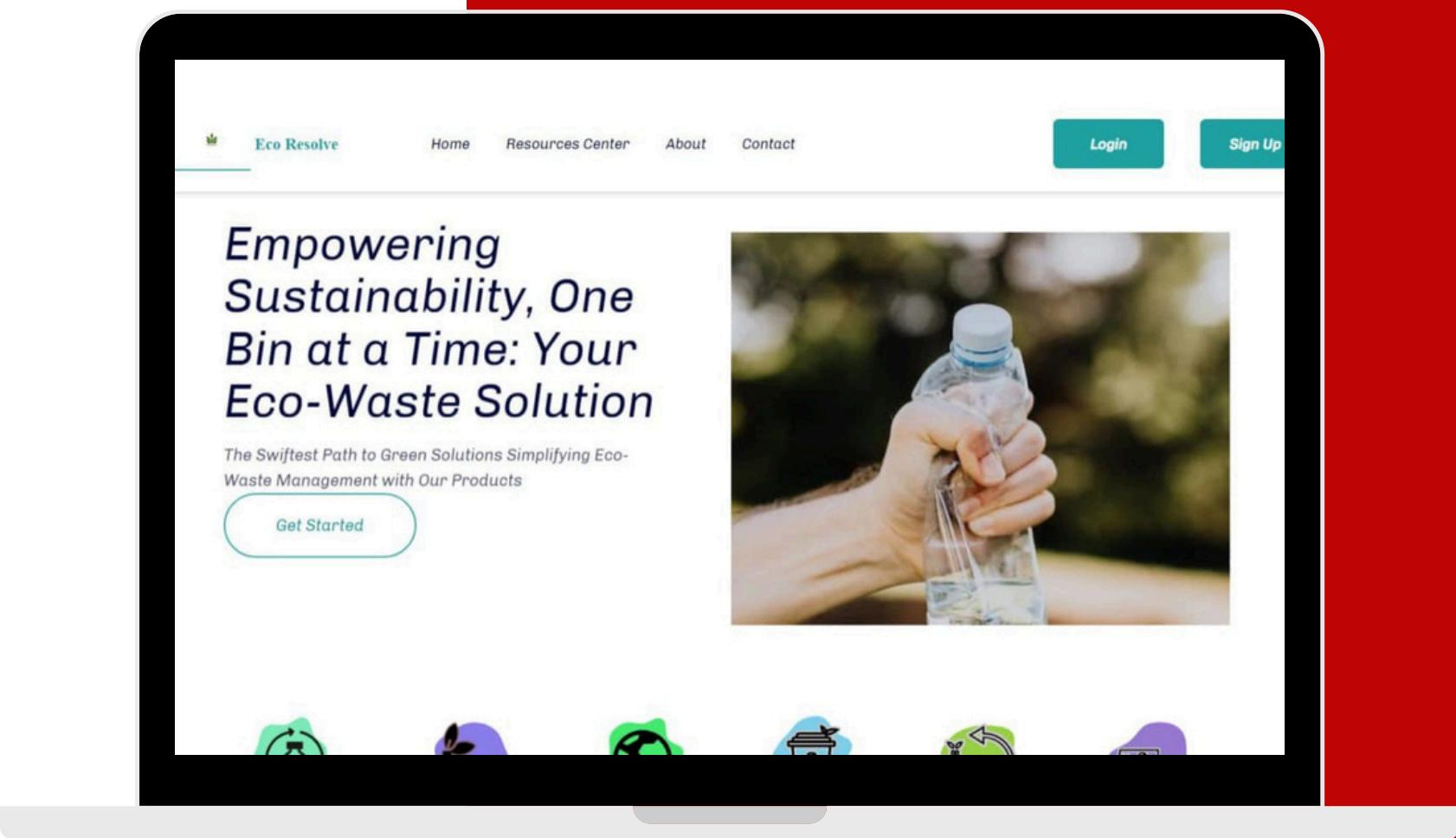


67%

Speed

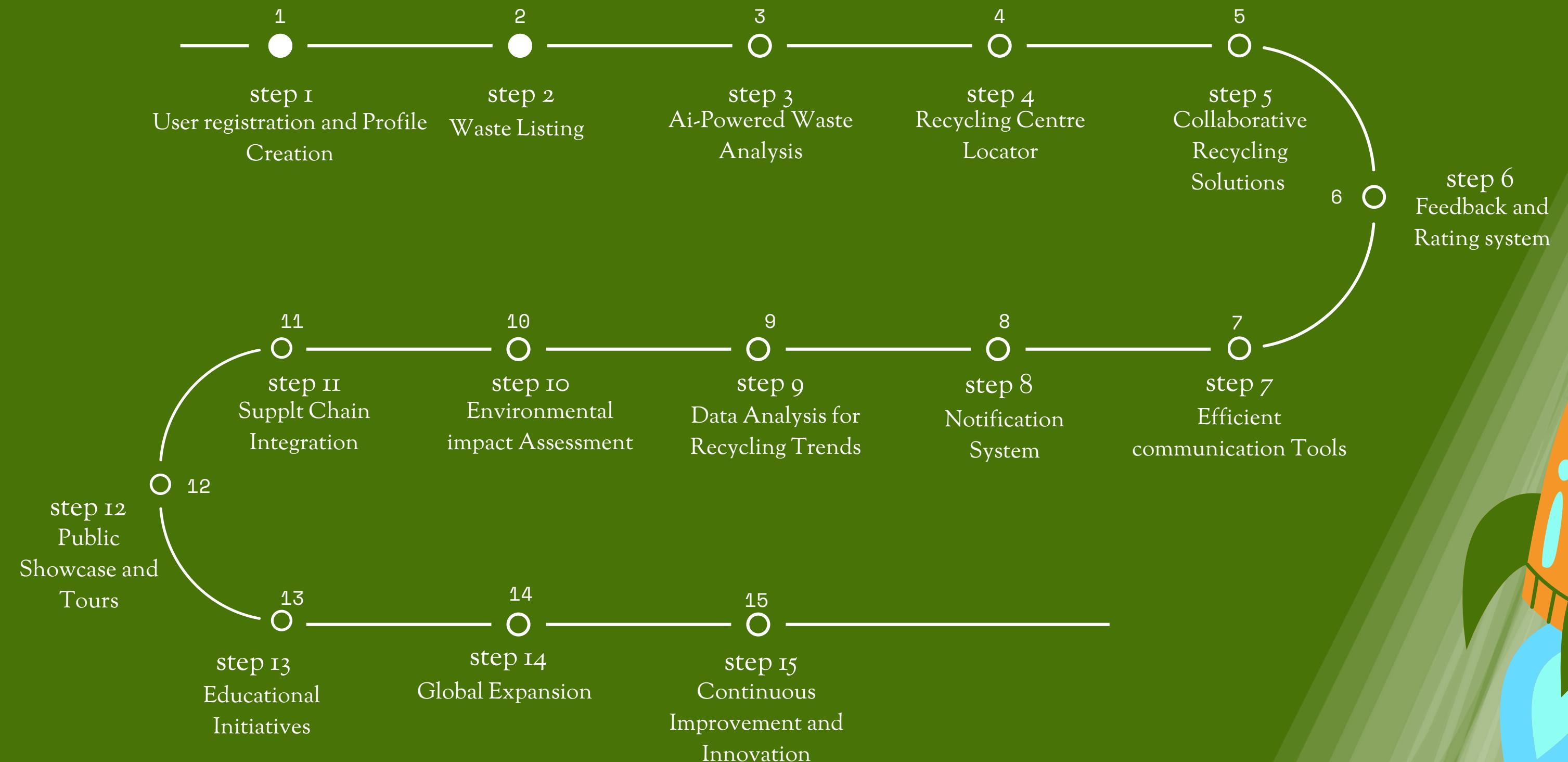


82%





# Working Process





**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



**13** CLIMATE  
ACTION



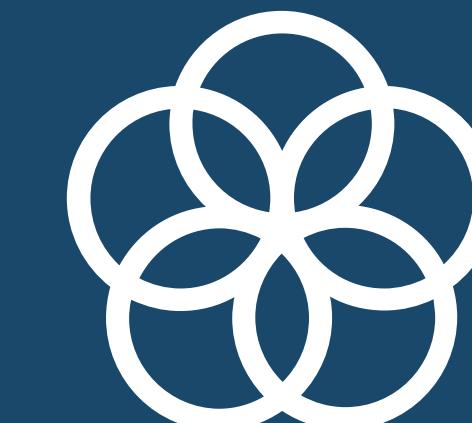
**11** SUSTAINABLE CITIES  
AND COMMUNITIES



**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



**17** PARTNERSHIPS  
FOR THE GOALS



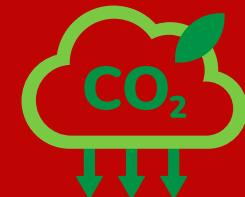
SDG's



# Benefits and Impacts

## Environmental Impacts

- Reduced Waste
- Circular Economy
- Lower Carbon footprint



## Sustainable Practices

## Economic Benefits

## Technological Innovation

## Collaboration and Networking

- Industry Collaboration
- Global Impact

# Conclusion



EcoRevolve is a groundbreaking solution combining technology and sustainability. By reducing waste, promoting a circular economy, and fostering industry collaboration, it aligns with global sustainability goals. The integration of AI and Google technologies enhances efficiency, making it a catalyst for positive change. As we move forward, EcoRevolve invites collaboration to drive meaningful and scalable impact in waste management. Thank you for your attention and commitment to a more sustainable future with EcoRevolve.





THANK YOU