



WASTE MANAGEMENT APP

# GROUP DETAILS

GROUP NAME:

**SCHYFANE**

GROUP LEAD: AJAY VISHNU E

COLLEGE: CHRIST COLLEGE OF ENGINEERING,  
IRINJALAKUDA, THRISSUR

THEME: AFFORDABLE & CLEAN ENERGY

## PROBLEM STATEMENT

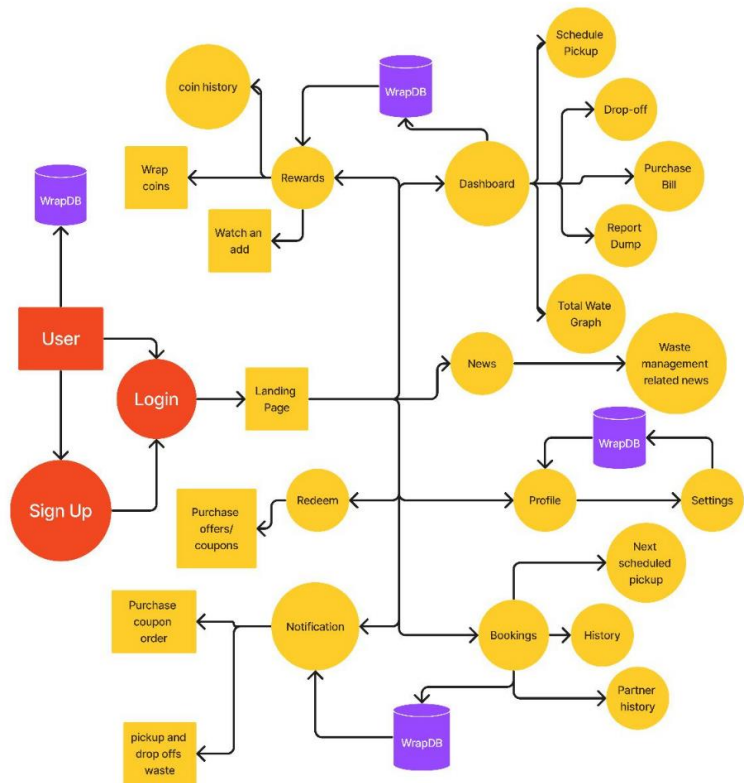
Waste management is a critical issue that affects our environment, public health, and economy. Around the world, waste is not being managed effectively, leading to pollution, environmental degradation, and public health hazards.



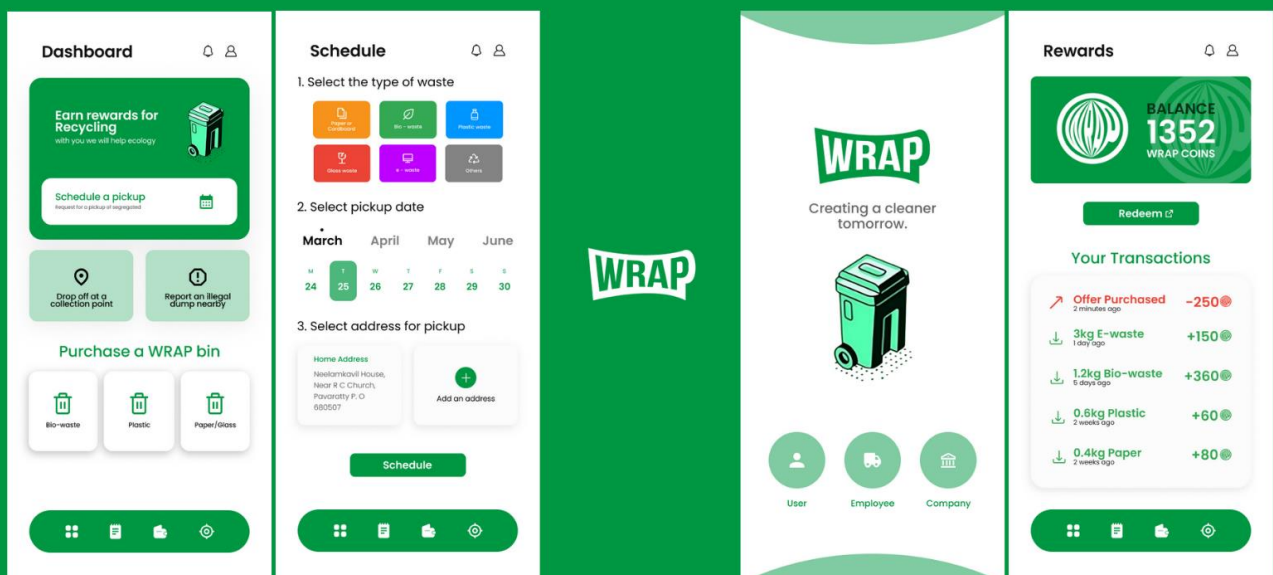
## SOLUTION

- App features new waste management system
- Target audience: rapidly growing cities
- On-demand waste pickup available with a tap of a button
- WRAP is cheaper and more efficient than traditional waste collection systems
- Promotes good environmental habits of waste sorting and recycling
- Tracks waste and impact on the environment through solid waste collection data
- Categorizes collected waste using a waste grading system
- Rewards users with WRAP coins for manipulating recyclables properly
- WRAP coins can be used to claim various deals and vouchers on partner websites
- Launching "WRAP" as a web application for collecting recyclables and providing rewards.

## DATA FLOW DIAGRAM



## UI DESIGN



## TECHNOLOGY STACKS



### Github Links:

[github.com/Amal070146/Wrap-mobile-app](https://github.com/Amal070146/Wrap-mobile-app)

[github.com/Amal070146/WRAP-Waste-Management-App](https://github.com/Amal070146/WRAP-Waste-Management-App)

## TEAM MEMBERS



**Ajay Vishnu E**  
Frontend Developer



**Enric S Neelamkavil**  
Designer



**Amal C P**  
Backend Developer



**Vaishnav M J**  
App Developer