

**Shree Siddheshwar Devasthan Solapur.**

# **Shree Siddheshwar Women's College of Enginnering, Solapur.**



**A Project  
On**

**“SWACHH BHARAT ABHIYAN (SBA ) - Innovation of  
Technology Towards Live Tracking ”  
Computer Science & Engineering (CSE)**

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## Introduction

Now a days wastage pollution will increase at associate degree dread rate everywhere the globe. It's the foremost reason behind pollution. The center of a town depends on its purification of Air, cleanliness of the roads and highways and overall it's close atmosphere.

We are developing the android application using android studio and WAMP server.in this system the main three module such as following:-

1. User
2. Admin(Municipal corporation)
3. Driver

## **An Overview of SBA-GPS Tracker**

Today Indian government is very actively promoting **Swachh Bharat Abhiyan**. But managing the improving solid waste has been the biggest concern for Municipal Authorities. This solid waste is creating serious health issue and also distributing the Balance of the environment. The traditional way of managing and monitoring the waste collection from bin to bin and doing everything manually. Thus the need of robust **Solid Waste Management System** arises, where an authority can get information right from the Filling of garbage bins, Picking up of bins by the waste collecting vehicles and movement of those vehicles to the waste dumping sites.

## **Objective of SBA-GPS Tracker**

For making Smart City Municipal Corporation needs a smart solution also. We at convex icon has develop and advance smart city where in with help Of GPS Tracker GPS tracker remote monitoring of whole waste collection process can be done. The waste collection vehicle will be fitted with GPS devices.

General objectives of project are defined as:

1. To be able to determine the efficiency in tracking bin data.
2. To be able to determine the usefulness of capturing location .

## Methodologies of SBA-GPS Tracker

In this system there are main three module such as following:-

1. User
2. Admin(Municipal corporation)
3. Driver

### 1. User

In this module user register the android application. The filed of registration is such as below:-

1. Name
2. Password
3. Phone number
4. Address

User filed this field . this information is save in database. After registration user login the application. Then user view driver location and time.



## 2. Admin (municipal corporation )

In this module admin register the application the filed is given below:-

1. Name
2. Password
3. Phone number
4. Address

Admin using this filed register the application. After registration admin login the application. after that admin can see the driver location ,add the driver, remove driver.

## 3. Driver :-

In this filed driver login the application . admin give the login details of the driver . after login driver routes ,area, garbage container position can be check . also in that garbage container is full ,half or empty this type of information is send to the admin.



## Block Diagram

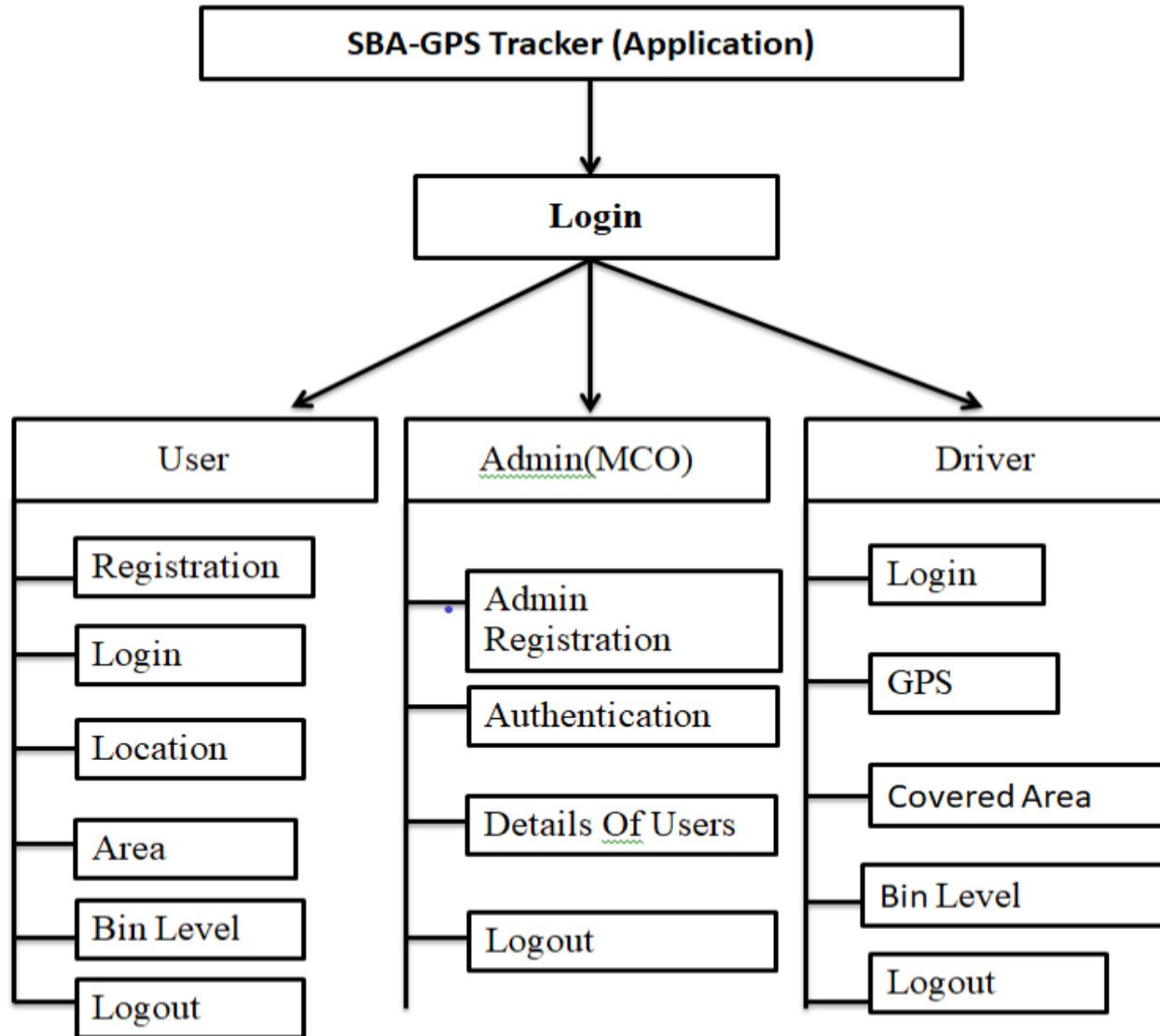


Fig: Working Model of SBA-GPS Tracker



# System Design Of SBA-GPS Tracker

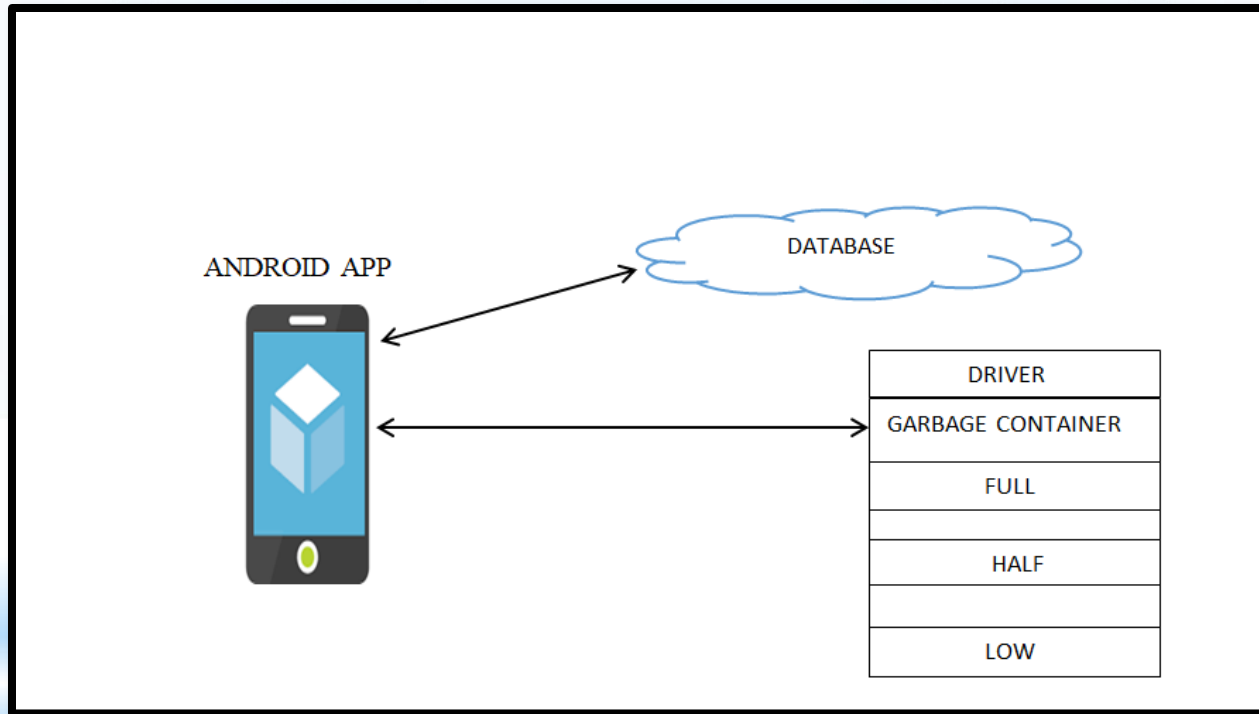
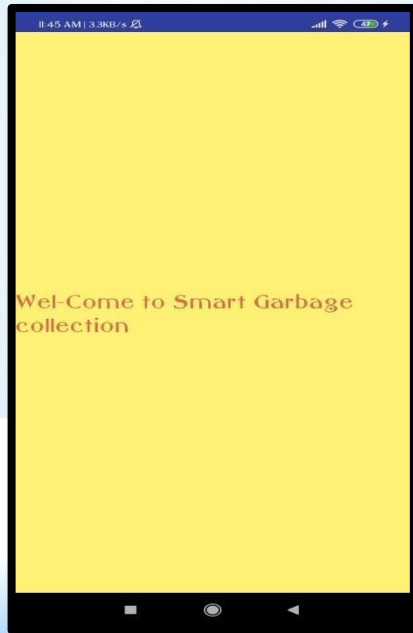


Fig. system architecture

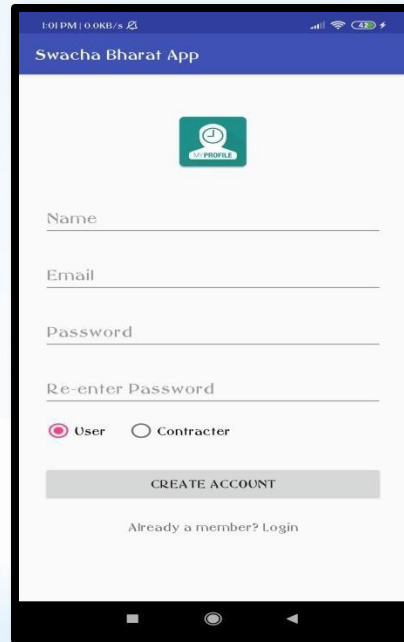
## Components Required

Sr.no	Name of Resources	Specification	Quantity	Remark
1	Laptop	i3 Processor RAM=8GB	1	-
2	Android Phone	RAM=4GB	1	-

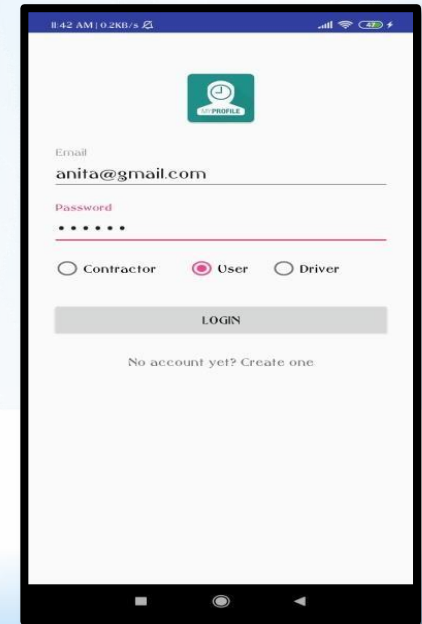
## Result :



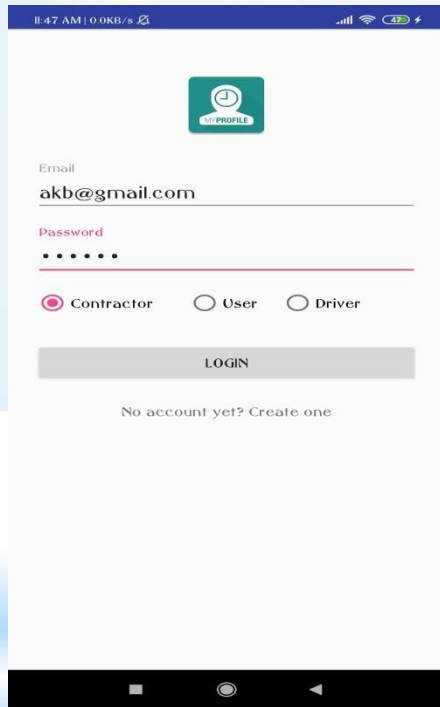
**Fig: First Page of Application**



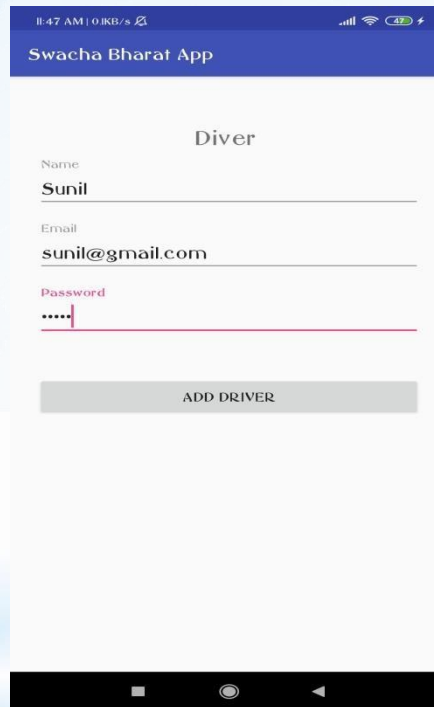
**Fig: Registration Page**



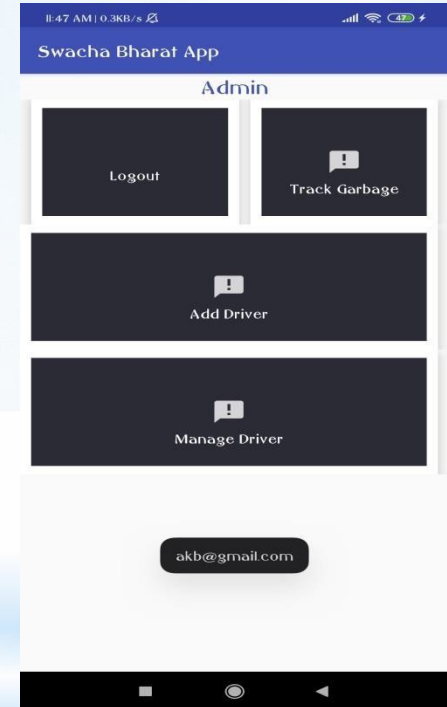
**Fig: Login Page of user**



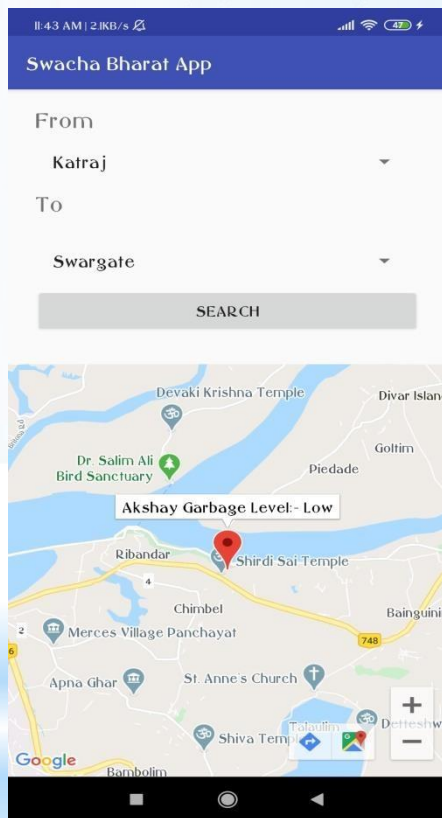
**Fig: Login Page of Contractor**



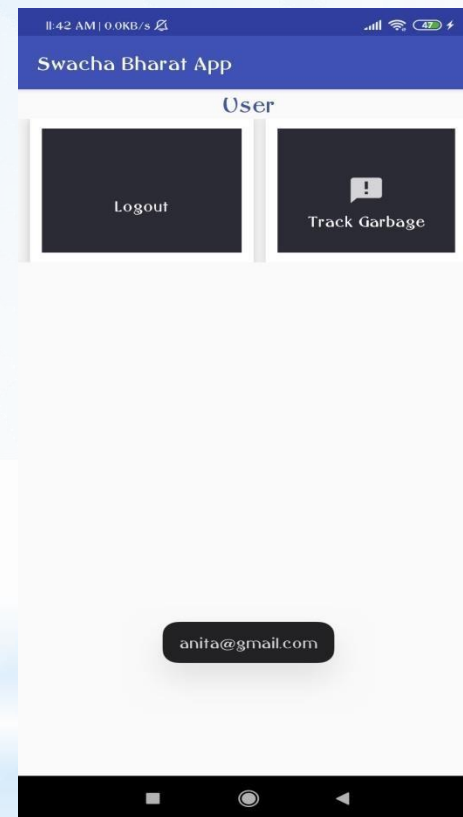
**Fig: Login Page of Driver**



**Fig: Admin Page**



**Fig: Tracking Page**



**Fig: Logout Page**

## **Scope of Project**

- In a future there is no doubt, In addition to above features we can also add extra future like Whether the mobile get switched off of the driver the admin and the user could not connect to him/her So we can Attach the sensor to the Garbage Vehical so that if the driver mobile get off then also the admin and user can view him.

## **Conclusion**

This project is implemented for society to track the location of garbage vehicle and level bin and Admin take continuously updates of the driver. The technologies which are used in the proposed system are designed in such a way that operators and citizens both will find it user friendly to monitor the garbage information of various places.

This Concept based on software project which used is the one that will be great service to the world and make it a better place to live in.



## Appendix

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**Thank You**