Society Management System with Waste Control System

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ABSTRACT

I.INTRODUCTION

Society Management with Waste Control Systems develops all activities and actions which required to manage different tasks taking place in the Society. One of the main goal of our system is Waste Disposal Methodology properly followed by every member of Society or not. Management can keeps proper control on different issues going around in society. People of society face many problems regarding like waste collector who is not giving proper service every day. So, increasing of waste causes problems like diseases and quarrel takes place between people. To avoid such issue we design or develop our projects by making such application which will control on Dry & Wet Waste with Alarm System. As well as Management regarding Maintenance, Booking, Rental or Owner etc. have all data related to society Members.Further information explained in proposed system

II.EXISTING SYSTEM

A combination of website called Apartment ADDA, founded in 2008, tries to serve similar functionality but in an inconvenient fashion. It uses cloud platform, SMS gateways and individual web portals for each housing society. This clearly means that majority of the functionality is not applicable to the managing committee members, including acceptance of maintenance bills. Another impractical function is the visitor and attendance tracker which is accessed only by the admin, who would then have to monitor the visitors as well. It also doesn't have waste management system.
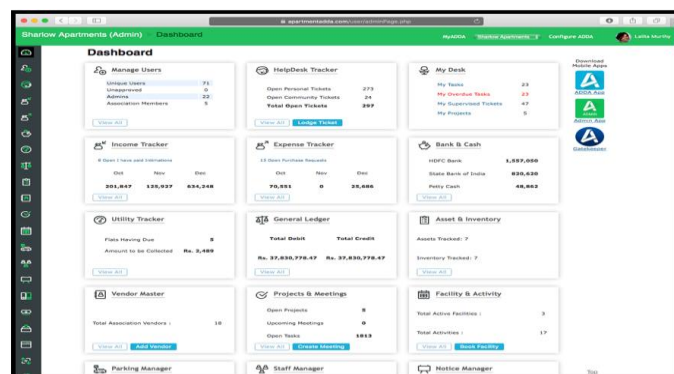

Figure 1 : Apartment Adda Dashboard

III.PROPOSED SYSTEM

To overcome disadvantages in existing system an application is going to be developed which has a log in account it will contain dashboard/control panel, upcoming booking events log, and visitors information. It will have updates of expenses done for society. This will also give information about maintenance and meetings conducted. In administration panel three people namely Chairman, Secretary and the Treasurer will be given the highest priority. This software will also have a hardware section connected to it which will perform the Waste Management System. This hardware system is going to solve the problems of people. We are going to make the dustbin alike an alarm alert which will sound an alarm for a specific time slot when the dustbin is full. In addition to this it will send a notification to the administrator notifying him that the garbage was not collectedon that day. The alarm will also sound if someone throws the WET WASTE in the DRY WASTE DUSTBIN in additional to which from which floor of the building is the wet waste thrown will be notified. Including this waste management system in our application, waste will be collected on time and problems related to waste management will be solved for people as well as workers working.

IV.MODULE SPECIFICATION

- **Admin:**

Admin has the rights to add members, add events, add income & expensive of society. Admin can make changes in all the management process of society. Admin gets all the notifications related to waste management system. All rights to make changes related to society management and waste control can be done my admin.

- **User:**

User has the rights to view members, view events, view income & expensive of society. Member can view all the management of society. Members get all the notification related to society management.

V.WORKING OF THE SYSTEM

Database Operation: The users will initially register themselves on the application by entering their respective details. This will include specifying whether the user is a resident or a managing committee member. Only after registration, the users can login with their respective credentials

Frontend Operation: Users of a housing society would initially install the Androidapplication on their devices. They will then login with theircredentials that were saved at the time of registration and canaccess the system's features.
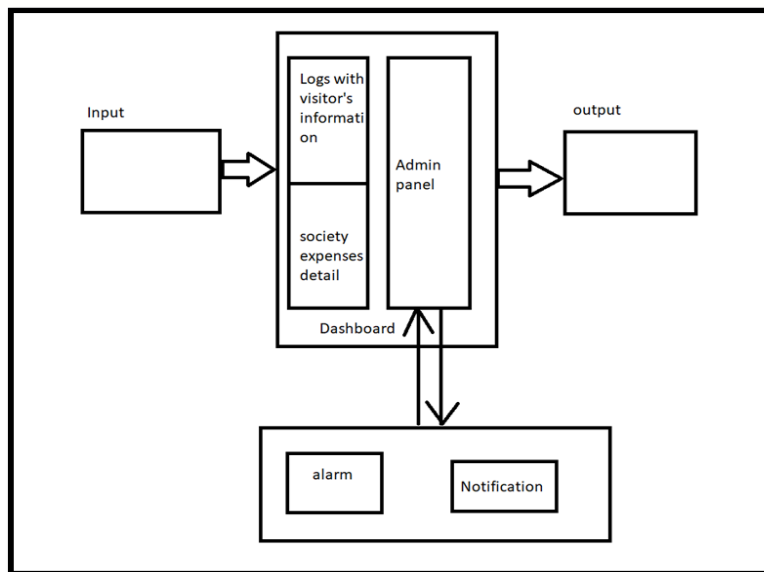
Figure 2: Block diagram of Proposed system

VI.MERITS OF PROPOSED SYSTEM

- Keeps surrounding clean, fresh and disease free
- Cost effective
- No risk of pollution
- Simple method and convenient to use
- Requires minimum space
- It will help in the **BETTER** and **EFFECTIVE FUNCTIONING** of a Housing Society
- There will be less of **PAPER WORK**
- Less **MANPOWER REQUIRED**

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