

Mobile Application Based on Swach Bharat

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Abstract

People got much bonded to mobile phones, specifically smart phones which became a part of their daily life. Smart phones provide access for apps which make things much easier. People respond better if there are easy means to report a problem rather than getting irritated by the traditional methods. Our main aim is to make the reporting of problem to the Municipal corporation much easier. User report a problem like garbage disposal, drainage overflow, pothole on the road, drainage blocked. The concerned authorities to get to know about the problem and thus process and resolve them. The municipality to know the exact location of the problem. The users to receive an acknowledgement after the reported problem get resolved. People posting and getting updated about the ongoing events.

Keywords: android, Clean India

I. INTRODUCTION

This app is as both the abstract state of being clean and free from dirt and that process of achieving and maintaining that state[1][2]. On practical level, cleanliness has been related to hygiene and disease prevention. Cleanliness differs from purity which is a physical, moral, or ritual state of freedom from pollutants.

A. Purpose

Using this application, communication between user and the municipality and specification of the new method adopted. It give the acknowledgement about the complaint registration. Each the process can update the status to the user. It specify the exact location of the reported problem and technology to be used to implement it.

B. Scope

The main aim is to make the reporting of problem to the Municipal Corporation much easier. People respond better if there are easy means to report a problem rather than the traditional methods. An acknowledge system which informs the user that the complaint has been registered, about the action taken by the Municipal corporation and a final acknowledgement after the problem get resolved.

C. Existing System

In the existing system, a lot of time is spent in communicating with the municipality. The traditional system is to approach the municipality personally and register a complaint or report a problem. A better approach has been initiated in the past decade where the problem is reported is reported and the complaint is registered with a phone call.

D. Proposed System

The major activities of the system are to receive various types of grievances from citizens, facilitate speedy processing of grievances received, updating the status of grievances as and when required. User-friendly menu based access to the processes in the app with different access paths to different users (i.e. normal users (citizens), representatives and municipal authority) to ensure easier access and security.

II. RELATED WORKS

A. Swachh Bharat [Clean India] Mission – An Analytical Study

This Paper was published in Rexjournal (ISSN 2321-1067) Renewable Research Journal by Thakkar, Priyanka. This paper discusses about pros and cons of the missions of Clean India. The author is of view that there is, first, foremost, fundamental and requisite need of **Physical-cum-Mental-cum-spiritual Unified practice-based and mastery making Education System** not only efforts, which Modi intend, but for all other problems and threatening issues in the universe in additional to all kind of development of human individual as well as social - economic-political systems in the world [3]. Another praiseworthy and strengthening feature of these programs is that it uses also 'social media' at high level.[6] As there is growing popularity of android phones than any other phone, development of application using android OS is better option.

B. Cityzen: An Application To Address Civic Issues

This Paper was published in International Journal of Modern Computer Science (IJMCS) ISSN:2320-7868 by Vibha M J,Rohit Vibhu C,Sanjana S,Senthan Reddy T Venugopal K R , Srikantaiah K C from Bangalore. Today, We are facing many civic

issues especially in populated cities. This leading to increasing number of complaint registries[6].

This application provides a way of for people who are facing problems due to civic issues like garbage dump, sewage leak, potholes etc.To register a complaint using image which are automatically geo-tagged.

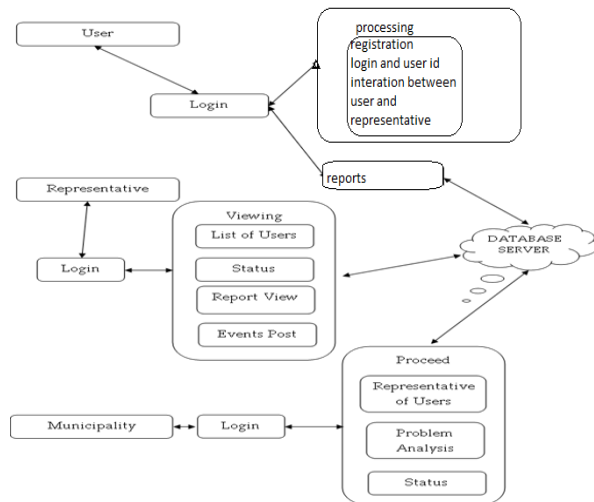
C. Application On E-Governance For Solid Waste Management

This Paper was published in International Journal of Computer Science Engineering (IJCSE) ISSN: 2319-7323 by Ilangovan,

P. Meena K fromTanjore.[7].This paper proposes an idea of linking problem with information and communication technology by a system that assists the solid waste management and monitors the dump bins using GPS[6]. India is one of the developing nations with a population of over 1.21 billion which covers the 17.5% of world population. The town corporations are facing a big problem in managing the municipal solid waste management in a hygienic way [1][4]. However, inadequate facilities to process the solid waste remain big challenges. Surveys indicate that conditions in cities has not improved substantially. Currently, about 80% of the total 1.7 lakh tones of waste generated daily is dumped without processing. This paper analyses the role of the media, a key player in the campaign, in taking the message to the people, and impact of the campaign on the public attitude towards cleanliness.

III. SYSTEM ARCHITECTURE

User is used in our application for login and sign up. The logged in user is created when the user logs successfully.Database Server stored the retrieve details of grievances. Representative has unique login to view the problem and they can inform the municipality government and the governing bodies will rectify the problem and update the status through mobile phones.



The overall system design consists of following modules:

A. User interaction module

User has to register first before logging in to report a problem. During the registration process, the user has to provide certain details. Especially specifying the location is very important. The details of the user will be stored in the corresponding database. After registering, the user will have to login with the user name and password provided during registration. Each area will have a representative and he is responsible for handling the user details and the problems reported by him.

B. Representative module

Representative cannot register by himself. It is the responsibility of the municipality to register him before making him a representative. The representative will be given a unique ID by the municipality. He will have to use this ID to provide username and password which will later be used to login and carry on his operations.

C. Municipality module

The admin will have his own unique ID assigned by the Municipality. He should use this ID to provide username and password while registration. He uses this username and password to login and carry on his operations. He is responsible for the complaints forwarded to him, updating the status of the problem to the representative, maintaining the list of representatives, adding representatives if necessary.

IV. REQUIREMENTS ANALYSIS

Hardware Specification

- RAM -256 MB(minimum)
- Hard disk -20 GB(minimum)
- Operating system -Windows-7/8/10(32 bit)
- Processor -Intel(minimum 2 GHz)
- Android mobile phone

Software Specification

- Front end -Android
- Tools -Android eclipse(ADT Bundle),Net Beans7
- Database -MySql

V. BENEFITS OF PROPOSED SYSTEM

1. Updating the status of processing.
2. Acknowledgement about the complaint registration.
3. It provides security.

VI. CONCLUSION

This project ensures the ‘user friendly’ property and provides secure access to different levels of users. By assigning priority to grievances and processing accordingly, the project tends to overcome the criticism of disordered functioning. Some advantages of developing in android are (a) open source framework. (b) Uses of tools are very simple. (c) Better availability of apps. (d) Great social networking integration.

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