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DEVELOPING TO DEVELOPED (D2D) WEB APPLICATION USING ANDROID

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Abstract-**In India a Municipal Corporation is a local government body that administers a city of population 300,000 The Municipal Corporation consists of members elected from the wards of the city. The Mayor and Deputy Mayor are elected by the public .The Municipal Corporation is responsible for roads, public transportation, water supply, records of births and deaths (delegated from central government Births and Deaths Registration Act), sanitation that includes waste management, sewage, drainage and flood control, public safety services like fire and ambulance services, gardens and maintenance of buildings.All municipal acts in India provide for functions, powers and responsibilities to be carried out by the municipal government. People got much bonded to mobile phones, specifically smart phones which became a part of their daily life. So to draw peoples' attention and create necessary awareness, building an app for every campaign and mission is advisable .Since people got used to working with apps, building apps to make people respond to such issues is a better solution. Early this month, the central government kick-started an ambitious Digital India initiative, which includes digital infrastructure, digital literacy and delivery of service digitally.The app aims at providing an opportunity for users to report a problem like garbage disposal, drainage overflow, pothole on the road, drainage choked/blocked, missing manhole cover and drainage line damaged for the concerned authorities to location of the problem. For users to receive an acknowledgement after the reported problems get resolved for people posting and getting updated about the ongoing events.**

I INTRODUCTION

Swachh Bharat Mission is a national campaign by the Government of India, covering 4,041 statutory cities and towns, to clean the streets, roads and infrastructure of the country.

The campaign was officially launched on 2 October 2014 at Rajghat, New Delhi, where Prime Minister Narendra Modi himself cleaned the road. Modi said that the best memorial to Mahatma Gandhi would be to achieve a "Clean India" by 2019, his 150th birth anniversary. It is India's biggest ever cleanliness drive and 3 million government employees and school and college students of India participated in this event. The mission was started by Prime Minister Modi, who nominated nine famous personalities for the campaign, and they took up the challenge and nominated nine more people and so on. It has been carried forward since then with people from all walks of life joining

In this paper Developing to Developed, it is small step towards developed country.Now a days having a smart phone is a necessary thing. So using our phones,the user can download this app through playstore.Here the user should register him using his IP address.The problem should be posted through this application and the representative view the complaints and take the necessary steps to solve it. The main advantage is the user can view or monitor the status of the complaint. Here the location can be exactly trapped using GPS (Global Positioning System.

II RELATED STUDIES

The heart of a city depends on its purification of air, cleanliness of the roads and highways and overall it's surrounding environment. But if the condition disrupted, then the people live in the city have to pay for this. Different kinds of diseases spread out in an epidemic form and it is becoming tougher to lead a healthy life. However, people can ignore this condition by raising their hand to build up a healthy city. So we constructed a system for integrating the citizen and authority in a common platform and work in together to make the Dhaka city healthier.

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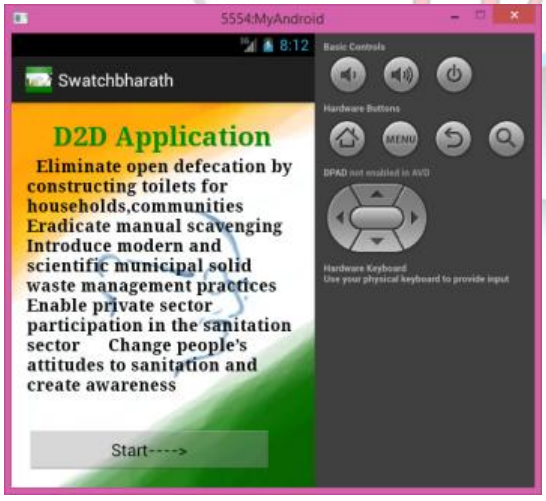
The system is an android based application where the user himself can contribute to clean his city, notify volunteer to come forward or can inform city corporation. The amenities of this application are - it ameliorates the user to detect nearby dustbins location with path, helps to see available volunteer on the map, notify them using google push service notification

Initiallya 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 and the complaint is registered with a phone call.

Even though the conventional system transformed into a flexible one which uses computers to record the transactions, the number of computers and the people required to operate them is comparatively higher.The acknowledgement system is not fully implemented. Only acknowledgement after the complaint is registered is received. The process of analysis of the performance is limited to municipality. There is a need for an integrated automated system, which has some centralized control over the entire process

III DEVELOPING TO DEVELOPED (D2D)

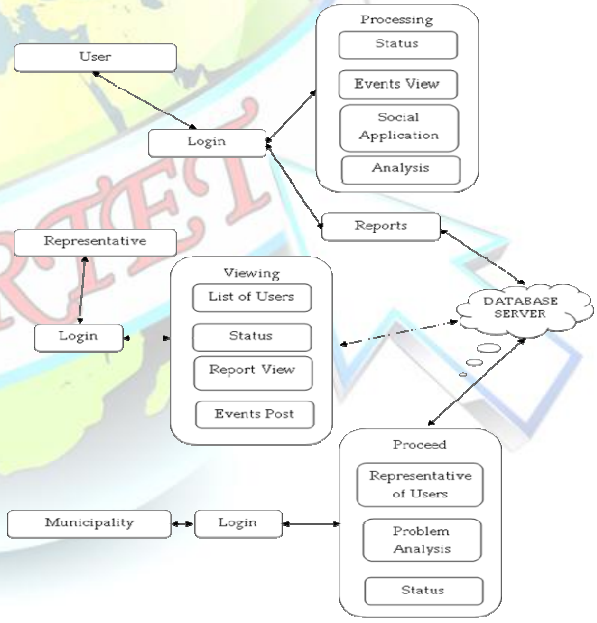


It is an application which solves the municipal corporation area problem by the common people .It pays the way for digitalization .Because people are feeling smartphone are the necessary thing .so keeping in that mind this application was developed.

Here the public can complaint their area problem (garbage overflow, drainage overflow, pothole road etc…). The people also interact with each by posting their events so that others can come know about

the problems. It will very useful for the government to monitor the area sanitation.

IV ARCHITECTURE



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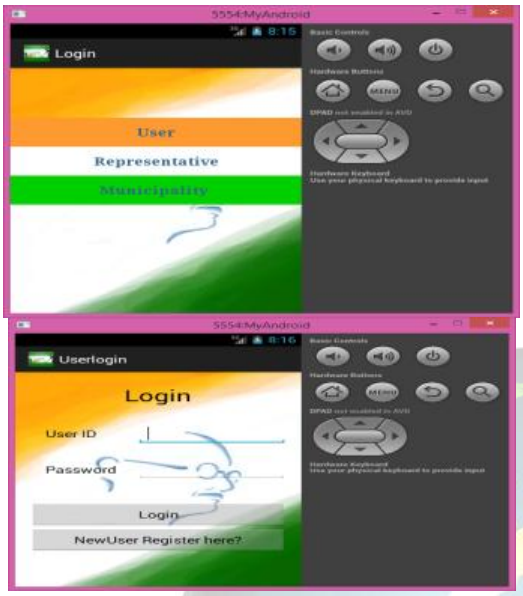
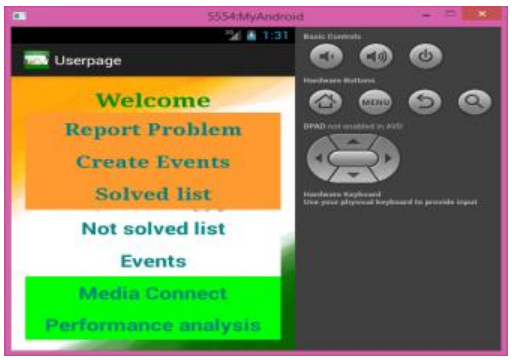
1. USER LOGIN



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 username 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.

This for the user is newly registering their details. After login to the page we can able to see the different type of activities



The above activities are carried out by both the user and the representative except events and media connect .Event is to make communication between the users and media connect is for if the municipal doesn't solve the problems after thrice post the user can directly pass the complaint to media.

2. REPRESENTATIVE

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.

3. MUNICIPALITY

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

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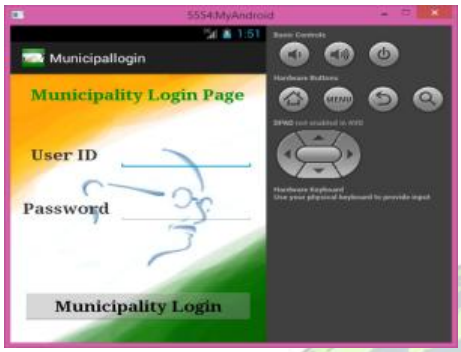
operations. He is responsible for the complaints forwarded to him, updating the status of the problem to the representative, maintaining the list of representatives, adding representatives if necessary



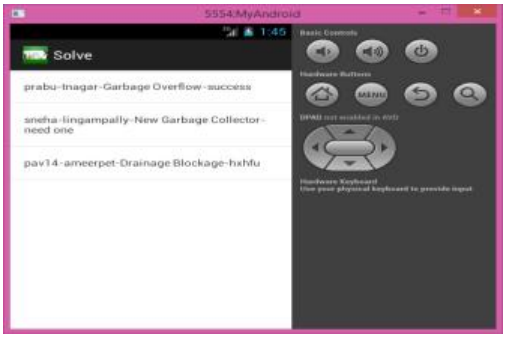
4. REPORT A PROBLEM

The user can report a problem using the app.The problems may include garbage disposal, drainage overflow,drainage choked/blocked, missing manhole cover and drainage line damaged. The user should have a basic knowledge of using the app.All he needs is a mobile phone, internet and the app installed. Additional features like GPS and Geotagging are also needed. Using GPS (Global positioning system) and Geotagging, the exaction location of the user can be specified which ensures 100% accuracy. Traditional methods or manual complaints cannot ensure accuracy to this extent. As the mobile phone is portable, exact location can be identified by switching on the GPS which based on a latitude/longitude-coordinate system .Geo tagging can help users find a wide variety of location-specific information from the device.

The reported problem will not directly go to the municipality but is handled by the representative which he forwards to the municipality after specifying the emergency rating. The municipality processes the requests based on the emergency rating.

5. STATUS

The reported problem will first be forwarded to the representative who assigns it an emergency rating and forwards to the municipality. The municipality processes these requests based on the emergency rating and not by the order of their arrival. The municipality receives the problems representative wise i.e. the problems list contains the representative name, area, the problems and their statuses. The status can be updated as solved, solving and viewed.



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As soon as the user and representative login into their accounts, they could see the status updated and displayed. It may be solved, solving or viewed. The status 'Viewed' means that the grievance has been received and registered but not yet put into processing.

The status will be changed from 'solving' to 'solved' as soon the problem gets resolved completely.

V. CONCLUSION

This paper proposes will help the public to aware of the problem and build self-responsibilities .It leads to develop nation , by solving problems in our country .The motivation of implementing this application is to make our city life superior. As the population increases day by day, it is becoming very difficult to manage everything swiftly. Our propounded android application can act as an assistant tomanage the complication. It would also aware the authority if any misconduct arises and hopefully, its detection, monitoring and reporting functionality would help the city people hereafter.

VI. FUTURE ENHANCEMENT

In the future the long distance usage can be implemented. The geo tagged images can be inserted in the reporting page. All the government activities can be included.

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