Cleanareo and Jameo

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Abstract:

The purpose of this paper is to develop a method between people and government bodies on digital platform. This paper presents a technology that validates user's complaints which are reported to the authorities, by using feedback analysis, regions wise analysis, regions wise analysis and geofencing techniques which provides wise real-time response from the authorities.

Introduction:

The Honorable Prime Minister Sri Narendra Modi announced the making of "Swachh Bharat "(Clean India) into a mass movement and linking it to economic activity to ensure greater participation, Mission Swachh Bharat has been launched. This program launched on October 2, with Mahatma Gandhi as the inspiration, to create a clean India of his dreams by 2019, his 150th birth anniversary.

This project collaborates and processes the today's daily life problems of the citizens. This Project is being inspired from the National Movements like "Swachh Bharat Abhiyan" and "Pradhan Mantri Sadak Yojana". This Application will directly connect the common people to the Municipal Authority of the city as well as PWD departments. An important issue which our country is facing nowadays is that there is improper planning of dumping garbage and the traffic congestion on roads due to pits in between the roads. So, this project will help in making India Clean and will also help in maintaining the healthiness among the societies.

Problems and Issues:

The Strident for 'Clean India' (Swachh Bharat) campaign on 15th August must be acknowledged, appreciated and adopted by every citizen of the country as an actor in the making of the nation. However, briefly review the significant efforts and initiatives for clean India in the recent past and the lessons that could be taken for making 'Clean India' campaign a reality. This research paper basically focusses on the three main issues which our nation is facing those are:

Garbage issue:

We know that we have a serious garbage problem. But the problem is not about finding the right technology for waste disposals. But this is where our waste management system stops short, which results in spreading up of diseases and the problem is there is no proper maintenance of dumping of garbage in right places.

FIG.1 Trash Disposal

Pots Holes Issues:

It is seen that our roads have pits or holes and they are going to come again and again despite all the repair works done to fill them it is because of the following reasons: -

- The roads are not properly sloped to the side, as a result, the water gets accumulated on the roads. Thereby creating pits or holes which lead to accidents and traffic jams.

- Most of the times there are no outlets for the water accumulated on roads to go into the nearby drains.

- The roads should be at an alleviated level than the surrounding area so that water can run to the lower grounds.

- When any excavation is carried out on roads the contractor who does that shall have to fill the trenches on road created by him.

FIG.2 Pot Holes

Water Logging Issues:

The arrival of monsoon is followed by water logging and traffic jams in cities all across India. Municipal Corporations and committees who are responsible for preparing for monsoons rarely pay this issue much attention though there is dedicated special budget and special workers for it. The budget for monsoon preparation included clearing all storm drains, repairing roads much in advance, creating alternative pathways for traffic etc. Citizens in every city complain about water logging every monsoon, the political leadership at the local level is aware of it, but state and city administration even now in the key metros continues to ignore this issue.

In every city and in every year, has lakhs of people whose work life is restrained due to this water logging. In some of the cities like Bengaluru and Mumbai, it affects the software and manufacturing industry badly. With white and blue-collar workers stuck in traffic, it is as if the whole gross wealth of the country has come to a standstill during this period of monsoon as due to lack of attention paid by the respective authorities these problems affect the daily life of peoples.

FIG.3 Water Logging

Child Labour Issues:

Child labour is the employment of children in any manual work with or without payment. Child labour is not only limited to India, it happens to be a global phenomenon.

Causes:

- Over population
- Illiteracy
- Poverty

- Debt Trap
- Social and economic backwardness

FIG.4 Child Labour

Survey:

Indore is the cleanest city of India, according to the Swachh Survekshan 2017, which was conducted in cities and towns in all over India. This survey was carried out by the Quality Council, which had deployed many assessors for on the spot assessment of around 17,500 locations in 434 cities and towns. And some people regularly monitored the survey process in real time. The criteria and weightings for different components of sanitation and cleanliness and other related aspects used for the survey were:
(a) Solid waste management
(b) Citizen feedback.
(c) Independent observation.

TOP TEN CLEAN CITIES	RANKINGS*		
Cities	2017	2016	2014
Indore (MP)	1	25	149
Bhopal (MP)	2	21	105
Vishakhapatnam (Andhra)	3	5	205
Surat (Gujarat)	4	6	63
Mysuru (Karnataka)	5	1	1
Tiruchirapally (Tamil Nadu)	6	3	2
NDMC (Delhi)	7	4	15
Navi Mumbai (Maharashtra)	8	12	3
Tirupathi (Andhra)	9	Not surveyed	137
Vadodara (Gujarat)	10	13	214

*434 cities (over one lakh population each) were part of the survey in 2017 while 73 cities (over one million population each) were covered in 2016 and 476 cities (over one lakh population each) in 2014.

FIG.5 Survey Table

According to the Quality Council Report under swatch Bharat Abhiyaan, Indore is India's cleanest city and Other top 10 cleanest cities of the country as shown in the fig. are declared as the cleanest cities in India. In addition, 150 dustbins were set up at Ghats as in Varanasi with a slogan: 'Use me.' Around 400 - 500 litter bins were distributed in areas alongside the Ghats and in all 5,000 dustbins, including smalls and big ones were placed all over the city during last 3 years.

Solution to these problems and how our project Overcome these issues:

The data of all the possible landmarks in India is collected or gathered. It will tell about the nearest located dumping stations or Public dustbins. Regions Divisions and Geo - fencing will be created. The data in our database is available to all the peoples including authorities.

Our Project will be implementing a new technique which will notify the peoples about the problems mentioned above in their areas.

The use of geocoding and reverse geocoding will help us to locate the actual location of the issue which is raised. What makes Our project differ from other ones?

- The main problem what our existing system hold is that there isn't any way for common people to know that whether their issues have been solved or not or whether their complaints are even registered or not and how much time it will be taken to solve the issue.
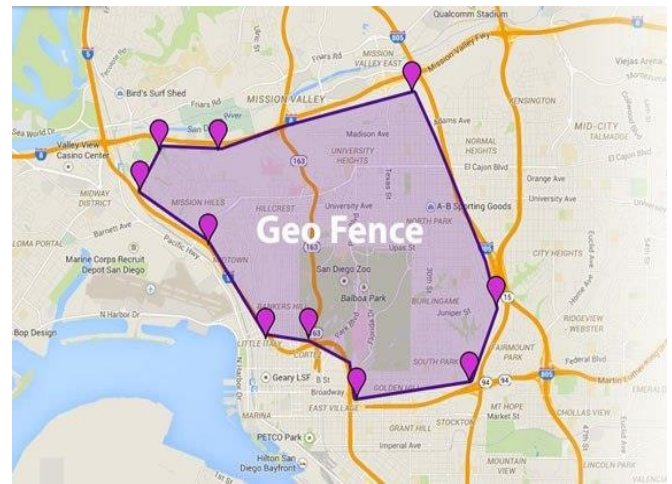
  To, overcome this problem we proposed a system where peoples can register their reports respect to which the complaint ids will be generated and people will get the real-time location of the worker who is assigned to resolve the issue and people can also check how much time the worker will take to reach the reported location.

FIG.7 Geo Fencing

FIG.6 Geo Tracking

- Another problem which our existing system faces is that people didn't know that in which areas there is pit holes or construction of roads is happening which leads to congestion in those areas.

  To, overcome this problem we proposed a system where peoples get notifies about the areas which are under development or having some issues we will be using a geo-fencing technique in which when peoples entered in these areas they get notified about the current situations.

Future Scope:

In future, we will be extending this project to include some more issues in this projects like:

LeaderBoard:

Under this, top active user of the application is listed on the monthly basis. Their names will be shown in application & website and will be provided with badges according to their active participation.

School and Village Toilet Usage Monitoring:

Under this, the Citizens can complaint/requests for the construction of toilets in their locality and can provide us the feedback for the proper functioning of the toilets as well and authorities can monitor the usage and correspondingly takes proper actions

Offline support:

Under this, the user will get the facility to store their complaints while they didn't have an active connection so that they can register their complaints when they have active connections.

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5.Previous Research Paper:
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