SMART CITY: The Problem Solver

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Abstract - *SMART CITY: Day by day problems are increasing to manage these problems our project will help the common man. The problem solver is a web based application which aims at providing a platform to register any complaints regarding the town itself at any time, from anywhere. The application also provides a mechanism to track down the status of work done in response to registered complaints. This system increases quality and speed of service as compared to existing system. The use of GPS and Google maps feature of web based for address location tracking lowers the user overhead of typing the address of exact location of complaint. Our project will help the common people under the province of a municipal corporation to register their criticism about day to day problems in their ward through this website which can also be run using mobile phones and computers.*

1. INTRODUCTION

In India we have an indirect communication between the government and public. For getting a problem solved within our nearby areas we have to visit the government offices which would require a whole day or else bribe the officers to get the problem solved which can be actually solved in a very short period of time. A common man faces many problems related to governance in his daily life. The main purpose of our Smart City project is to help the public facing such problems and knowing the region where the problem has occurred and getting their problems solved online without going to the officer regularly until the problem is solved. In accordance, this study initiates an integrated and networked system, with the focus on its ability to solve the problems such as Water supply, Loop Holes in road, Street light, Garbage cleaning. This will minimize time as well as money to go to an office for complaint registration. Three related concepts are encompassed by the general scope of People's Corner. The first applicable to the replacement of personal visit to the office and registering complaints on paper, the second relates to a complementary electronic strategy for the handling of a customer's complaint and the third surrounds the process of taking actions by the government bodies against the complaints registered by the citizens. The user can click the picture of the venue of complaint and upload the same. Also the address of complaint location will be tracked automatically using GPS and Google maps, thus reducing user's overhead of typing the address. Html, Java is used to develop the project.

2. LITERATURE SURVEY

The Smart City Concept is used in many countries to make their city transform into "The Smart City". This concept basically would help the citizen it would make their life easier so here are some examples of Cities who are using this concept every city has different implementation of this huge concept .Amsterdam: The Amsterdam Smart City initiative which began in 2009 currently includes 170+ projects collaboratively developed by local residents, government and businesses. These projects run on an interconnected platform through wireless devices to enhance the city's real time decision making abilities.

The City of Amsterdam (City) claims the purpose of the projects is to reduce traffic, save energy and improve public safety. To promote efforts from local residents, the City runs the Amsterdam Smart City Challenge annually, accepting proposals for applications and developments that fit within the City's framework. An example of a resident developed app is Moby Park, which allows owners of parking spaces to rent them out to people for a fee. The data generated from this app can then be used by the City to determine parking demand and traffic flows in Amsterdam. A number of homes have also been provided with smart energy meters, with incentives provided to those that actively reduce energy consumption .Madrid :Madrid, Spain's pioneering smart city, has adopted the MINT Madrid Intelligence/Smarter Madrid platform to integrate the management of local services. These include the sustainable and computerized management of infrastructure, garbage collection and recycling, and public spaces and green areas, among others. The programme is run in partnership with IBMs INSA, making use of the latter's Big Data and analytics capabilities and experience. Madrid is considered to have taken a bottom-up approach to smart cities, whereby social issues are first identified and individual technologies or networks are then identified to address these issues. This approach includes support and recognition for start-ups through the Madrid Digital Start Up programme.

India: India is also using concept of smart city but its implementation of this idea is different in India, the picture of a Smart City contains a wish list of infrastructure and services that describes his or her level of aspiration. To provide for the aspirations and needs of the citizens, urban planners ideally aim at developing the entire urban eco-system, which is represented by the four pillars of comprehensive development— institutional, physical, social and economic infrastructure. This can be a long term goal and cities can work towards developing such comprehensive infrastructure incrementally, adding on layers of „smartness". Accordingly, the purpose of the Smart Cities Mission is to drive economic growth and improve the quality of life of people by enabling local area development and harnessing technology, especially technology that leads to Smart outcomes.

Area-based development will transform existing areas (retrofit and redevelop), including slums, into better planned ones, thereby improving liveability of the whole City. New area (Greenfield) will be developed around cities in order to accommodate the expanding population in urban areas. Application of Smart Solutions will enable cities to use technology, information and data to improve infrastructure and services.

3. PROPOSED SYSTEM

In the proposed system the citizen need not go to the government office for getting his problem solved. He can get his problem solved by posting his problem on this website. In existing system sometimes users are uploading fake complaints which is a drawback of the this system to overcome this drawback in our proposed system we have used agent concept i.e. agent have to verify the complaint whether it is Fake or Real if the complaint is Fake it is not forwarded to the admin it is directly rejected if it is real it is send to admin .Our proposed system provides solution to existing system by extending its facilities as follows: Common man can post their grievances on the website. She/he is provided with unique ID so that officer can get the details and solve the problems easily. The location of complaint is tracked by Global Positioning System (GPS) unit. Citizens can track the status of the problem issued by them i.e. what is the current status of their registered problem. The proposed system is an user friendly website where the problem information can be uploaded easily and it has the registration and also the security is provided as if the same individual is uploading a fake problem one or twice the blocking is also available at server site and also the agent nearby registered location would verify the fake complaint and report to admin.
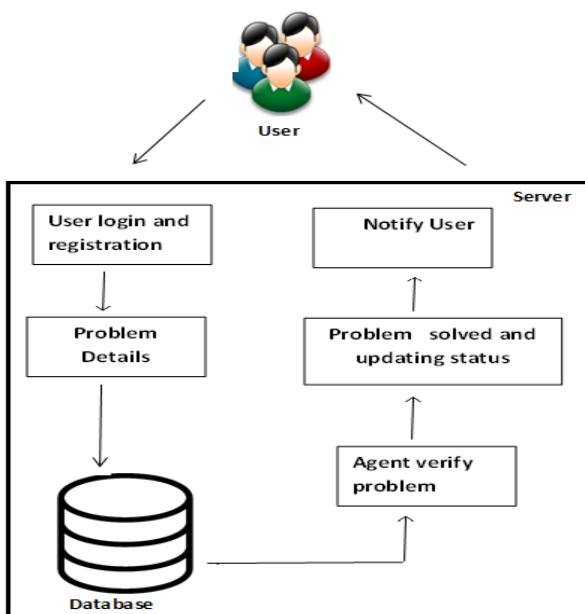
4. SYSTEM ARCHITECTURE

Fig.no.1 System Architecture

Step1: User Login and registration for issuing any complaints such as water supply problem, electricity, garbage cleaning firstly user have to register in the system and then login.

Step2: Problem Details After Login process user can upload the pictures of problem, description and location of the area.

Step3: Agent verify problem the complaints which are registered by user are forwarded to agent. Then agent verify complaint whether complaint is fake or real.

Step 4: Problem solved and updating status after solving the problems admin will update the status of problem accordingly.

Step 5: Notify User After solving the problem user get notification of the problem.

5.TECHNICAL REQUIRMENT

5.1 Hardware Requirements

1. 2 PC
2. Processor: Core 2Duo
3. Ram Used: 2 GB
4. Wi-Fi Device to connect clients

5.2 Software Requirement:

1. Operating System : Windows
2. Front End : HTML , Java , JSP
3. Scripts : Java Script
4. Database : My SQL 5.5
5. Database Connectivity : JDBC

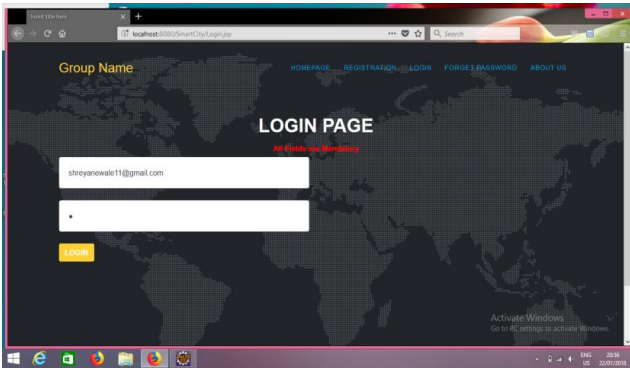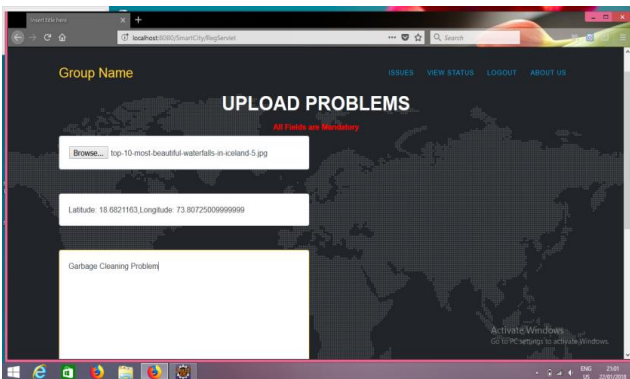## 6. SCREENSHOT

Fig. no. 2 Home Page

Fig.no. 3 Login Page

Fig. no. 4 Problem Upload Page

Fig.no.5 Location Tracking

Fig.no.6 Admin Changes Status after complete problem

7. CONCLUSION

The project provides a direct communication between the citizen and the municipal corporation. This will also help in registering the problem that one is facing in particular area by continuously following up them will result in good, clean and peaceful environment .The proposed system will attract the common man to register any complaint otherwise neglect to register complaints since he/she has to personally visit the office and give the complaint in writing. This system reduces the paper work which is required to note down complaint registered by users also maintaining a database is easier than the file system. The user can easily view the status of their registered problem.

In Future we can extend this project for Municipal Corporation by extending Problem solving modules. We can also develop this project in Android.

8. ACKNOWLEDGMENT

It is being rightly said that we are built on the shoulder of others. For everything I achieved, the credit goes to all those who had really helped me to complete this work successfully. I am extremely thankful to my Project Guide Prof M.M.Mali for guidance and review of this paper work.

9. REFERENCES

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