

International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Vol 4, Issue 3, March 2017

Smart phone application for Hazard Reporting

^[1] Shivani Rewatkar, ^[2] Pooja Dube ^[3] Yugandhara Pannase ^[4] Divya Ghodmare ^[5]Akhil Suryawanshi ^{[1][2][3][4][5]} Department Of Computer Technology Priyadarshini Institute Of Engineering & Technology, Nagpur

Abstract - Now a day's Android plays an import role in our lives. A new area where mobile is useful for gathering hazardous locations, of public area, information as they are not readily accessible at any point. Thus, using cloud, we will try to make all the information related to the hazardous areas available on the Android Application to the various organization like Police, Municipal Corporation, News Papers, etc. during their investigation which would speed-up the entire process of tracking down the hazardous problems. A mobile application is made available to the common people in order to update the hazardous problems by capturing the image and the location of the area and is sent to the server and the responsible authority is informed. Then the respective authority is responsible for allocating the problems to their respective employees and then it is solved by these employees. The notification of the problem solving is sent to the mobile of the user and authorities. The System generates the ratings Negative and Positive to the work solved within days on basis of work solved between 3 days it will rate Positive or Negative. Using this system, we can keep records of the ratio of complaints registered and issues which are unsolved.

Keywords:-Smart phone, Web Based (GIS) System, Real time Databases, User, Social media.

I. INTRODUCTION

In 21st century people have freedom to live and aim to make smart city. If city affect from any hazard. Hazard is a situation or thing that has the potential to cause harm to people, property or the environment and it is condition with the potential to cause injury, illness, or death of personnel, damage to or loss of equipment or property; or mission degradation. If any people survive in hazard area. So people have to compliant regarding for hazard to particular responsible authority. To work on that hazard. Now days mobile and information technology have become an integral part of our lives. A new area where mobile is useful for gathering hazardous locations, of public area, information as they are not readily accessible at any point[2].

Thus, using cloud, we will try to make all the information related to the hazardous areas available on the Android Application to the various organization like Police, Municipal Corporation, News Papers, etc. People can compliant regarding hazard problem to responsible organization using android application. By capturing the image and the location of the area and is sent to the server and inform to responsible authority. Then the respective authority is responsible for allocating the problems to their respective employees and then it is solved by these employees. The notification of the problem solving is sent to the mobile of the user and authorities. The System generates the ratings Negative and Positive to the work solved within days on basis of work solved between mention days it will rate Positive or Negative[3].

II. LITERATURE SURVEY

In this Paper, they developed one central platforms where all issues can be reported with their location to respective departments. The objective of the system is to send the images, audio or video related to issue to the respective departments of the governments [2]. In this paper, they developed hazard reporting system to prevent from hazard problem. Important task of the Reporting is Data Collection. The Geo spatial Data is used to indicate the Data along with the geographic component. This means that the data set have location information tied to them such as geographical data in the form of coordinates, address, city, or ZIP code.

User report to the organization by using the same data and organization solve that problem [3]. In this paper, they developed a mobile application to test the performance of Android location service

and to collect the positioning results as well. They also carried out some experiments to evaluate the quality of the location service and the reliability of GPS and WPS at a dense urban area [6].

III. PROPOSED SYSTEM

In this propose system there are two modules these are as follows :

A)Android Application B)Web-portal



International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Vol 4, Issue 3, March 2017

In Proposed system, we are going to develop a central platform where all the issues can be reported with their location to respective departments.

In this system, firstly user have to capture the real time images of the hazardous object and send it to the server by android application. Then authority can transfer that problem with respective departments and solve it within given deadline.

This System will maintain all the records which are required to solve the problem for e.g. User details like name, mobile no, address, Mobile MACID, Problem reported location, images captured by user etc. This will help government faculty members to solve the problem as early as possible, all this data will be available to corresponding departments. The respective faculty will take action or respond to the user. Also in this system user can keep track on complaint until it resolve.

The purpose of this paper is to develop an android Application for hazardous object area detection. It provides an application for the user that would allows user to report incidents and get it verified by the respective department officials. It will consist of an application for respective department officials which can perform database operations on that incident and allows efficient retrieval of required information from the centralized database .



Fig : System Architecture

This will help government faculty members to solve the problem as early as possible, all this data will be available to corresponding departments. The respective faculty will take action or respond to the user. Also in this system user can keep track on complaint until it resolve.

The purpose of this paper is to develop an android Application for hazardous object area detection. It provides an application for the user that would allows user to report incidents and get it verified by the respective department officials. It will consist of an application for respective department officials which can perform database operations on that incident and allows efficient retrieval of required information from the centralized database .

IV. ADVANTAGES

- Register complaint at anywhere at any time.
- No need to go at respective department every time.
- User Friendly.
- Central platform to report issues Saves time.
- To mark the area with more number of issues.

V. FUTURE WORK

The future scope of this project is that we can extend this project up to the department level likewise water resource department, electrical department and other various departments which is being useful in future .

VI. CONCLUSION

We developed the central platform for field data in which, users will see the geo -map of the field data. Also we will collect the geo-spatial information from GPS tracker which will added to the central platform. Also implemented a framework for classifying Android applications using machine-learning techniques whether they are malware or normal applications.

VII. ACKNOWLEDGMT

We express our deep sense of gratitude to our respected learned guides Prof. Miss. Surbhi Khare and Coguide Prof. Miss. Deepa Kale for their valuable help as well as guidance, Special thanks to Head of the department Prof. Ashish Sambare, Prof. K. Bodhe and Prof. S. Dravyakar. At the last we thankful to our friends, colleagues for the inspirational help provided to us through a project work.



International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Vol 4, Issue 3, March 2017

REFERENCES

1) M. H. Park, H. C. Kim, S. 1. Lee, and K. S. Bae, "Performance Evaluation of Android Location Service at the Urban Canyon," 2014, pp. 662-665. 2) D. More, R. Doke, Jagdish I., O. Padre "Hazard Object Reporting To The Respective Authorities" CompEngg,SKNSITS,Maharashtra, India IJARIIE-ISSN(O)-2395-4396 Vol-2 Isuue-3(2016) 3) Javanti Khutwad, Bindu Konde, Ashvini Deokate, Prof A.A.Kadam Pune University, Pune, Maharashtra, India "Hazards Reporting Based On Real-time Field Data Collection Using Personal Mobile Phone" (Volume2, Issue5) (2016). 4) A. gaydhani, K. Bhandkkar, P. Yadav, S. kothale "GPS Based Android Application For Hazards Safety" IJESC Vol 6 Issue-10 (2016) 5)A. Kattan, Ishik ,Erbil, M. F. Aboalmaaly "A smartphone-cloud application as an aid for street safety inventory." ers...deretapins research 978-1-4799-4106-3/14/\$31.00 © 2014 IEEE 6) M. Singhal1, A. Shukla2, Miss. Gawade Pratiksha1, Miss. Admane Priyanka2, Miss. Mule Dipali3," A Review on Hazard Reporting Using Android App", ISSN (Online): 1694-0814 Vol. 9, Issue 1, No 2, January (2012) 7) Marie K. M. Charrière and Thom A. Bogaard "Smartphone applications for communicating avalanche risk" Received: 21 October 2015 – Published in Nat. Hazards Earth Syst. Sci. Discuss.: 13 November (2015) Revised: 7 March 2016 - Accepted: 2 May 2016 Published: 23 May (2016) 9) Yann Glouche, Arnab Sinha, Paul Couderc INRIA, Unit'e de Recherche Rennes-Bretagne-Atlantique A Smart Waste Management with Self-Describing Objects" HAL Id: hal-01198382 Complex https://hal.inria.fr/hal-01198382 Submitted on 15 Jan (2016) 10) Robert S. LeRoy HAZARD OR RISK ANALYSIS, OVERCOMING THE HUMAN FACTOR Paper Number ESW2015-19 LeRoy Electrical Enterprizes, Inc. PO Box 6025 Bob@leeinc.org 978-1-4799-4782-9/15/\$31.00 ©(2015)IEEE 11) Salathiel Bogle1 and Suresh Sankaranarayanan2 "JOB SYSTEM SEARCH IN ANDROID ENVIRONMENTAPPLICATION" OF INTELLIGENT AGENTS (IJIST) Vol.2, No.3, May (2012).