Buddy Cops for Women Safety

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Abstract:- According to the reports of WHO, NCRB-social-government organization 35%Women all over the world are facing a lot of unethical physical harassment in public places such as railway-bus stands, foot paths etc. In this paper the authors have reviewed of various existing systems on women security. The authors have felt a need of advanced women security system to provides the safety measure in public places as well as travelling alone through public transports (school buses, company vehicle etc). This paper proposed a new model for the women security in public places which aims to provide the 100% safe environment. Police launched the Buddy Cop to help working women feel safer. This system basically makes use of WhatsApp to connect police offers to women in an attempt to help them reach out to someone in the fastest way possible. Here's how it works: Whoever wishes to be a part of the Buddy Cop initiative registers at their nearest police station. They are added to a WhatsApp Group of the same police station. The admin of each group is your buddy cop and can be contacted at any time. If the particular cop is off duty, they he/she can assign someone else to you, thus making the service available 24/7. If help is needed in a different area, which is not under the jurisdiction of your buddy cop, they inform the police station nearest to you and send someone for help.

Keywords:- Girls Hostel Security, Crime against Women, Nagpur safety.
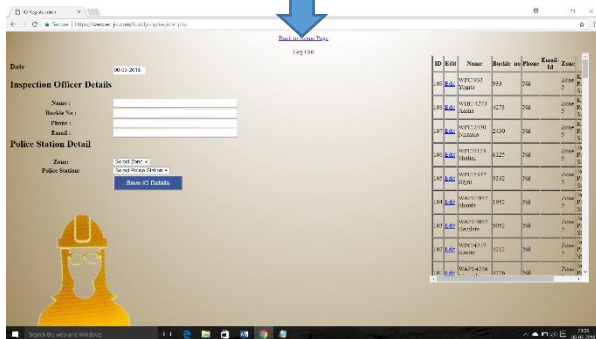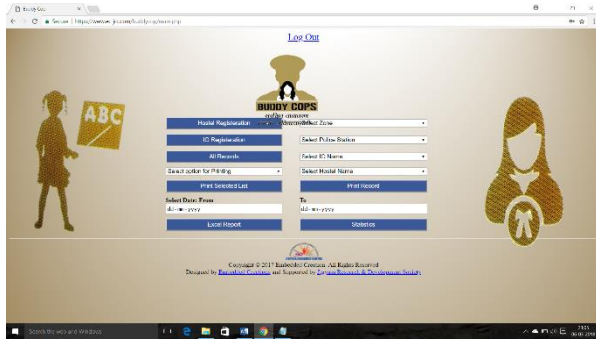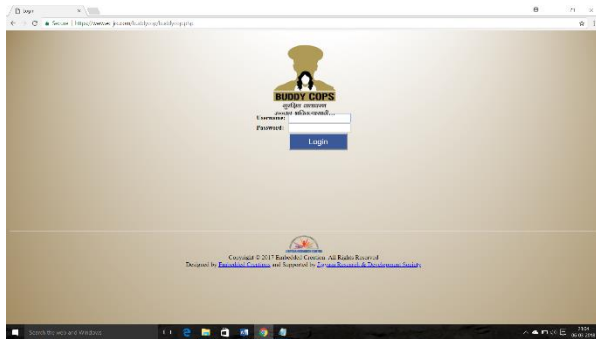
I. INTRODUCTION

Buddy cops is the android and web site to enter all the complains in the girls hostels. The buddy cops is an application basically designed to manage police reports on this new idea that police department has come up with. This application will keep the record of the hostels [1]. This application will also keep record of the lady police officer who will visit the hostel allotted to them. Using this application head of police as well as the police officers can keep record of the visits and complaints. This application will also be used to upload pictures of visits. By now, it has spread across 10 police stations in the city and over 45,00 women have registered. Accordingly, if there are any crimes or complaints registered, higher police authorities will take action against the suspects. The data can be used for observation purpose later, for example, for analysing the ups and downs in crimes and complaints. "There is one universal truth applicable to all countries, cultures and communities: violence against women is never acceptable, never excusable, and never tolerable" The Buddy Cop system is currently active in police stations that fall under Zone I and II of the Nagpur Police, including stations from Wadi, Ambazari, Shankarnagar, Dharampeth, Pratapnagar, chatrapati, Bardi, Khambla, and Ravi Nagar to name a few. The plan is to extend this service to the entire city and make all women feel safer. "A violence act against female gender disturbed the public health life of society and also it violates the human rights of women." [2].There are approximately 90 girls hostels from which 29 are government and rest 61 are private hostel are currently being served by buddy cops. Buddy cops was initially conceptualized by Pune police for women employee for IT sectors because of some security incidents

II. WHY WE NEED BUDDY COPS

As we can see due to digitalization all the sectors are including agriculture, shopping, communication, agriculture etc are using huge amount of internet and mobiles. So why not in police department, this is the main reason why police department came up with the idea of Buddy Cops. This will help the police officers to make an entry of all the hostels they are visiting on every single day. Which will lead in reduction of use of paper and pens and also save time as there will be no need of documentation. Whenever an Investigation Officer will visit a hostel she will make an entry through her mobile on the site only and after coming to the police station she will put all the remaining entries through the server site which will be web site. She will take all the complaints from the hostel girls. And accordingly give instruction to the owner. If there is anything which can be taken as an evidence then she can take a picture and upload it through android application. And if the girls in the hostel want to give any compliant the she can be able to directly upload the complaint on the android site. After every update done in the hostel the hostel authority can contact police about the changes. The site will include various number of girls, sanitation facility, Boundary wall etc. The report of WHO states that. "A violence act against female gender disturbed the public health life of society and also it violates the human rights of women." [4]. Talking about United States There are approximately 14,000 police departments, 3000 sheriff's offices, more than 6000 911 centres, 65+ fusion centres, 1.2 million employees in city, county, state, and Federal law enforcement, and 800,000 working in the private security sector in the United States [5]

III. WORKING OF SYSTEM

Fig 1:- Working of System

The first page will be the log in page whose username and password will only be known by the investigation officers who will be going on the inspection. After the log in is done by the investigation officer the next page will show the button as Hostel registration using this new hostel can be registered on the web site, IO Registration using this the office will enter their own details, All Records will show up all the list of the records, Print Selected Record this can be used if we want to print selected amount of record, Excel Report will show the record according to the dates, Print Record will print the records which will be sorted in a zonal form, Statistics will show the stastics of records between the selected dates. After Clicking on the IO Registration next page will be of officer's detail in which the officer will have to submit the details about herself including the Buckle No. and also will have to give the information about the zone she belongs to. On clicking on All Records the list of all the records will appear on screen which can be printed page by page. As the website is already linked with the android part it will show all the entries done on the android site. The website is facilitated with numerous small functions which help to make the user experience more friendly, functions such as auto relocate to the missing input field that the user failed to enter the first time. The exact table names and the visual data flow can be seen in the figure below. In case of a new entry in the system, the new hostel registration will be carried out in the hostel registration. The same goes for IO registration. When the user requests for information like bunch of records or if it wants to view the entire record table, he has the option to do that. After viewing the content, if the user feel like the data is worth printing for further official or any other work, we have integrated a function to print the selected or entire data. Moreover to make it easier for the officials to view the data, they can just use their phone instead of a page, they can download the entire thing in an excel format. This downloadable file can help us in multiple ways. There are enough entries in the data base to perform statistical analysis. When the user requests those statics, those will be returned from the statistics table.
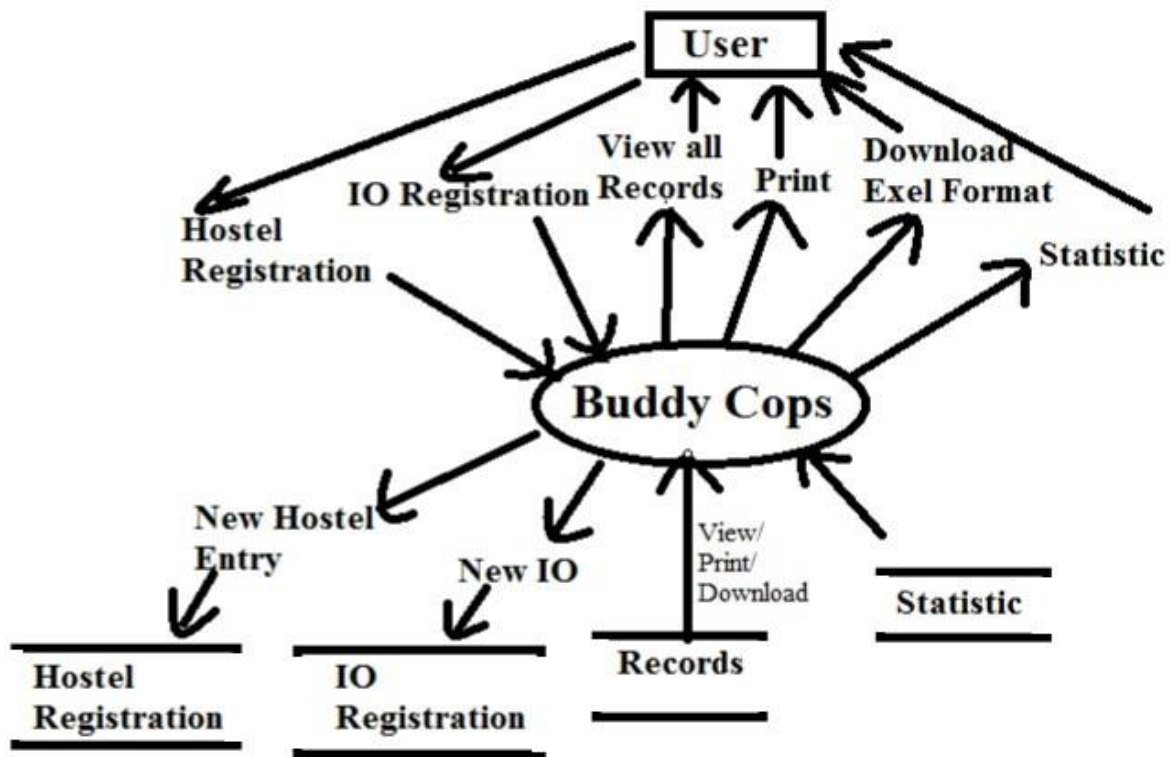
Fig 2:- Level 0 Data Flow Diagram of Buddy Cops

IV.   FUTURE SCOPE

As the technology changes there may be requirement of new version of the product to be introduced. As the system is working efficiently new modules can be included without much effect to the system. In government hostels it will prevent the fake entries of inmates. The inmates will feel more secure in the hostel. They can directly interact with the IO in any complains or query. An incremental module is   used to design the system. We can also use the same product for the hostels of physically challenged people.

V.   CONCLUSION

This website will help in finding the problem faced by women in hostels. This will also keep record of the hostels and officers. In some Cases system can also provide evidences. Since the system has the option of uploading photos which can be considered as evidence. Women's security is a critical and social issue in today's world.

REFERENCES

[1]. Nagpur Available from: Hindustan Time Acessed on 19 september 2017, 06:11 IST.Nagpur Available from: Times of India Acessed on 25 March 2017, 06 .

[2]. World Health Organization, "Global and regional estimates of violence against women: prevalence and health effects of intimate partner violence and nonpartner sexual violence, Geneva: WHO (2013).

[3]. AbhijitParadkar "All in one Intelligent Safety System for Women Security" International Journal of Computer Applications (0975 – 8887) Volume 130 – No.11, November 2015.

[4]. World Health Organization, "Global and regional estimates of violence against women: prevalence and health effects of intimate partner violence and nonpartner sexual violence, Geneva: WHO (2013).

[5]. Draft Report and Rec. of the Visiting Committee on Advanced Technology of NIST, "Desirable Properties of a National Public Safety Network," NIST, Ed., 2011.

[6]. Bhaskar Kamal Baishya, "Mobile Phone Embedded With Medical and Security Applications", Department of Computer Science North Eastern Regional Institute of Science and Technology Nirjuli Arunachal Pradesh India, e-ISSN: 2278-0661 p- ISSN: 2278-8727 IOSR Journal of Computer Engg (IOSR-JCE) www.iosrjournals.org, Volume 16, Issue 3 (Version IX), PP 30-3, May-Jun. 2014.