BE-Safe || SOS Emergency App

Sumant S. Dusane[1], Ketan Y. Bhoye[2], Prathamesh S. Patil[3], Vijaya Chavan[4]
Students, Department of Computer Technology[1,2,3]
Lecturer, Department of Computer Technology[4]
Bharti Vidyapeeth Institute of Technology, Navi Mumbai, Maharashtra, India

Abstract: *Nowadays women are molested without any age limit. So directly coming to the point Preventing Molestation against Women should be a crucial concept of the current time. An Android app to detect emergencies and send SOS alerts to selected contacts and calls to Police Control Room (100) and share the location coordinates using text to speech. It has Volume Button SOS, Fingerprint Sensor, and Scream-based detection models. This app is capable of sensor click calling with recorded voice along with GPS coordinates, Records 2MIN Video Recording as soon as SOS is activated. To overcome this issue, we have taken an initiative to create an app that can be used in times of emergency. so basically, we created an android app that requires user permissions like location, background usage access, internet, etc. by using all these permissions our app can send a text message containing the location of the victim on an action like shake and tap on SOS button..*

Keywords: Emergency App, SOS, Women Safety.

REFERENCES

[1]. R. Ramachandiran, L. Dhanya and M. Shalini, "A Survey on Women Safety Device Using IoT," 2019 IEEE International Conference on System, Computation, Automation and Networking (ICSCAN), 2019, pp. 1-6, doi: 10.1109/ICSCAN.2019.8878817.

[2]. D. Chitkara, N. Sachdeva and Y. Dev Vashisht, "Design of a women safety device," 2016 IEEE Region 10 Humanitarian Technology Conference (R10-HTC), 2016, pp. 1-3, doi: 10.1109/R10-HTC.2016.7906858.

[3]. G. C. Harikiran, K. Menasinkai and S. Shirol, "Smart security solution for women based on Internet Of Things(IOT)," 2016 International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT), 2016, pp. 3551-3554, doi: 10.1109/ICEEOT.2016.7755365.

[4]. Muskan, T. Khandelwal, M. Khandelwal and P. S. Pandey, "Women Safety Device Designed Using IoT and Machine Learning," 2018 IEEE SmartWorld, Ubiquitous Intelligence & Computing, Advanced & Trusted Computing, Scalable Computing & Communications, Cloud & Big Data Computing, Internet of People and Smart City Innovation (SmartWorld/SCALCOM/UIC/ATC/CBDCom/IOP/SCI), 2018, pp. 1204-1210, doi: 10.1109/SmartWorld.2018.00210.

[5]. M. R. Ruman, J. K. Badhon and S. Saha, "Safety Assistant And Harassment Prevention For Women," 2019 5th International Conference on Advances in Electrical Engineering (ICAEE), 2019, pp. 346-350, doi: 10.1109/ICAEE48663.2019.8975648.

[6]. D. Chitkara, N. Sachdeva and Y. Dev Vashisht, "Design of a women safety device," 2016 IEEE Region 10 Humanitarian Technology Conference (R10-HTC), 2016, pp. 1-3, doi: 10.1109/R10-HTC.2016.7906858.

[7]. D. Chand, S. Nayak, K. S. Bhat, S. Parikh, Y. Singh and A. A. Kamath, "A mobile application for Women's Safety: WoSApp," TENCON 2015 - 2015 IEEE Region 10 Conference, 2015, pp. 1-5, doi: 10.1109/TENCON.2015.7373171.

[8]. P. Chaudhari, R. Kamte, K. Kunder, A. Jose and S. Machado, "'Street Smart': Safe Street App for Women Using Augmented Reality," 2018 Fourth International Conference on Computing Communication Control and Automation (ICCUBEA), 2018, pp. 1-6, doi: 10.1109/ICCUBEA.2018.8697863.