

ANTI ASSAULT

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Abstract:- These days physical attacks, harassments and molestations are the common practices that are being done very frequently across the globe. Safety is a prerequisite but not handy. So to bring it in the hands of the needy Anti Assault is being developed. The basic ideology behind this app is to protect victim who is subjected to different types of attacks or assault. It will be a very helpful app in future to instantly escape from danger and also catch hold the crime practiser.

1. INTRODUCTION

Being assaulted is devastating & prevention is essential. Anti-Assault is the pocket friendly app which is being developed for all those who are targeted as victims. Basically the working of this app is very simple to understand and execute. The most beneficial point is, by default user can choose three best helpful people according to their wish nearby them for their protection. This feature initiates when victim calls for help by pressing the power button thrice, the prerequisite here is both the user and those three selected people should have this app in their android phones. Once the app gets initiated by a user it will switch on the GPS location and mobile network and the victim can be traced through the app so that an immediate rush to be given for possible help. Also it will avail a feature where this app gives the user a particular time span to select a reject option if he/she is safe & sound otherwise an alert will reach to the nearby located police station through this app (by sending a voice record call to the police which will be informing the user's location and necessary details) and as well as to selected default contacts.

II. SYSTEM REQUIREMENTS

- Android powered device
- 512 MB of RAM
- Minimum API level 16 (JELLY BEAN[1])
- Stable internet connection

III. WORKFLOW

The UI flow of this app is very simple

- Registration of user account in the app.
- User can start with registering by going through all the steps or can login through his Google or Facebook account and other basic requirements.

- If user prefers to register he/she has to give all the basic details asked by app such as name, email id, address, phone number etc.
- If user prefer to login he/she will be directly asked to submit their address, contact number and other requirements.
- Both the process of registration will include the selection of default contacts
- The app will be initiated by clicking power button 3 times .Once app is summoned the mobile data and GPS will be switched on automatically.
- Once the app is initiated the message will be sent to those 3 selected default contacts within 2 minutes and next message to police within 5 minutes (i . e voice automated message which will also convey the location & basic details of victim) and then location can be traced by selected contacts and Police.
- UI of this app also provides other beautiful & wonderful features which are the part of future enhancement.[V]

IV. ADVANTAGES OVER EXISTING APPS

- User gets a time span of 2 minutes to confirm whether the situation is danger or not to his selected contacts and a 5 minutes time span to inform to police.
- Voice automated call informing location of user and name details which is sent to police within 5 minutes of app initiation.
- Crowdsourcing for collecting minor details about places where danger occur frequently.

- Nearby police stations and hospitals will be available for users to locate for their safety.

V. FUTURE ENHANCEMENT

- This app will also help users even if network or mobile data is not available.
- This app will also give another feature for user to customise their app accordingly when they are travelling cities i.e. they can select by default contacts for each residing/ travelling city.
- Another feature that will be available for those selected contacts is they will be notified whether the message was made to reach nearby police station or not.

VI. CONCLUSION

We will make sure that this app provides all the features which are mentioned above because safety is its only purpose, and we hope this would be really helpful for the society and would create great impact on everyone. Also at the last but not the least it also have many upcoming future enhancements with the bang of ideas at the ease of implementation and use. For benefiting society and save lives of innocent people is our major responsibility and small step towards our healthy living environment and through immense use of technology we are moving a helping hand to provide a better solution for all the unexpected problems .Hereby, we appreciate more ideas to develop this handy app and take the safety to next level for each other's benefit.

VI. REFERENCES

- [1] <https://developer.android.com/about/versions/android-4.1.html>
- [2] http://index-of.es/Android/Android_Application_Development_For_Dummies.pdf