**RESQUER**

Crime against women has increased drastically in the last few years. It is very tough for a women to travel alone without avoiding the prying eyes. Lack of brightly lit public areas and absence of trustworthy public transport, especially late at night, add to the problems that are faced by the women every day. Various steps are being undertaken by the government to improve this situation but none have proved to be effective till date. The number of cases are still increasing and there are no means available for a women, especially working women, to stay connected with their family in an emergency situation.

The main objective of this project is to develop an application that will allow a person to securely share his/her location information with other trusted people in real time. This will be achieved using the GPS device that is present in every modern day smartphone.

Whenever a person is faced with an emergency situation, he/she can press a button and his/her location will be shared with some trusted people. Whenever the user presses the panic button, that will be present in the application, the user’s current location will be determined using the GPS device present in the mobile device. After determining the location coordinates, these coordinates will be transmitted to a backend server. The people who will track the user will be notified via an SMS which will also contain an access code. This access code will ensure that the location of the user is only shared with a trusted set of people and not with anyone else. The trusted set of people can then live track the location of the user and rescue him.

Technology used while developing the system will be:-

* C#, XAML and .net for coding and frontend designing
* PHP for backend development
* MySQL for database maintenance

:- By Team Canonical