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TEAM we init

-BY

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SITUATION

Crimes against women are consistently escalating to reach the alarming rates of 39 every hour in our country, India.

“Cruelty by husband or his relatives” was the most reported crime against women, accounting for 33% of all crimes in 2016. Of 39,068 rape victims in 2016, 43% were girls below 18 years. Offenders were known to the victim in 95% reported cases. Of these, 29% were “neighbors”, “known persons on promise to marry the victim” (27%) and “other known persons”(30%).

The above stats clearly highlight the fact that most crimes against women are committed by people they’re closely surrounded with.

And these are the ones that were reported. **It’s estimated that at least twice as many go unreported, undiscussed and unstated.**

ISSUE

A large section of **the Indian female population has been a victim of molestation in some form or the other**, but still they find it difficult to come forward and raise their voices against it.

Many women do not go ahead and file a complaint against their molesters out of the fear of loss of reputation of herself and her family in the society. She suffers from the pain each day and cannot voice any of it.

Not only that, the situation is such that **women in our country fear travelling alone for the fear of being molested, attacked, assaulted and even raped**, especially in a city like Delhi which is notorious for being the rape capital of the country.

HOW WE THINK WE CAN HELP ?

We plan to design a web portal where women will be provided a 1 to 1 advisor ship by experts and NGOs.

How it works : Whenever a woman who wishes to seek help, she registers on our platform. Then she'll be provided with the options of connecting with either an ngo or an advisor. These advisors can be female social workers, lawyers, gynecologists, psychiatrists, professional counsellors or survivors who can relate best with them.

Accordingly, she will be connected to the most suitable mentor or ngo according to her location and her problem.

For smooth connection, we have integrated a chat-channel in our platform. Help seekers and advisors/NGOs can initiate conversations on the chat-channel itself . Besides that both of them will be provided each others' contact details so that they can meet in-person or call , whatever be necessary.

FEATURES:

- **One to one advisor-ship platform**
- **Separate profiles for every registered person** - be it seeker, advisor or NGOs
- **Chat-channel** (implemented from scratch) to discuss all the issues
- **Blog** to write about your experiences/survivor stories and also to get inspired by others. Even advisors can publish their own blogs
- **Awareness tab** that tells about latest safety gadgets/measures to keep women updated on safety issues.
- **Contribute tab** to accept donations from philanthropists and feminists that care for our cause

STAR FEATURE:

The star feature of our project is Etihaad.

Google map tries to find the fastest route between two places even if it may mean compromising on safety and security. **Etihaad aims at detecting the safest route** by finding danger index of all possible paths between two places which is a weighted sum of numeric values our **unsupervised machine learning algorithm** devised and assigned to 166 places in Delhi .

We will be using **Google map and google places apis** to display all possible routes between any two location along with danger index of that route.

TECHNICAL COMPLEXITY:

- Frontend : HTML ,CSS , JavaScript.
- We plan on using JS both on server side (by our asynchronous node framework) as well as client side.
- We will be using Mongo DB database.
- We will be implementing a Chat-App from scratch using Socket.io
- We shall also be integrating a full-fledged Blog App within our site
- We'll also apply unsupervised k-means clustering algorithm in Python to train our Machine Learning Model on Crime Data of Delhi. This information will then be used to mark danger indices of paths between any two places on a Google Maps API
- We shall also be scraping the net to find new technological advancements in women safety that'll be displayed under the awareness tab of our portal

THANK YOU!