A Study of preventive approach of ICT for Women's Security

Prof. Aarti Kalani

Sinhgad Institute Of Computer Sciences,
Pandharpur,India
aartikalani07@gmail.com

Prof. Rakhi Sonawane

Sinhgad Institute Of Computer Sciences, Pandharpur,India
rakhi.rakhisonawane@gmail.com

Prof. Mahesh Sawant

Sinhgad Institute Of Computer Sciences, Pandharpur,India
mahesh.sawant07@gmail.com

Abstract: - **Women live in a very insecure world, not only in India but in other countries too. According to estimates by the United Nations, up to 200 million women and girls are demographically missing. Given the biological norm of 100 new-born girls to every 103 new-born boys, millions more women should be living amongst us. If they are not, they are missing, and then they have been killed, or have died through neglect and mistreatment. Many fall victim to gender selective abortion and infanticide. Others do not receive the same amount of food and medical attention as their brothers, fathers and husbands. Others again fall prey to sexual offenders, to honor killings and to acid attacks. A shocking number of women are killed within their own walls through domestic violence. Rape and sexual exploitation remains, more over, a reality for countless women millions are trafficked some sold like cattle. This paper is not to cover all the women threats but to track and overcome them by the use of some sophisticated Information communication technologies. First of all as a preventive approach this paper suggest a mode of environment for women in a work culture as well as in other sectors, in which government can activate the media for various women civilization particularly in dress culture using ICT.**

Keywords:-**ICT, Women security, civilization, harassment, preventive approach**

I.   INTRODUCTION:-

The Reality

It is common to read news about violation or wrongs committed on women every day. Our orthodox society is so much prejudiced by age-old habits and customs that a violated woman, whether she is forced or helpless, has no place in the society. In every seven minutes a crime is committed against women in India. Another danger in India is that, Indian law does not differentiate between major and minor rape. In every ten-rape case, six are of minor girls. Every 26 minutes a woman is molested. Every 34 minutes a rape takes place. Every 42 minutes a sexual harassment incident occurs. Every 43 minutes a woman is kidnapped. And every 93 minutes a woman is burnt to death over dowry. One-quarter of the reported rapes involve girls under the age of 16 but the vast majority are never reported. [1] Although the penalty is severe, convictions (assurance) are rare. Sexual Harassment that is a phrase we have seen more than once in recent weeks in the media. From publishing houses to sports training, women have complained. Some have settled outside court, others have turned to the media, and many more continue to be silent, preferring not to go public. But that sexual harassment in various degrees is an occupational hazard that women face at all times.

Things can change without producing numbers to show the extent of the problem. The problemitself should be enough to warrant some attention, to invite some thought on how things can change.

Widespread violence

Due to the fear of violence and harassment many women do not have the autonomy to freely move in a variety of public spaces, markets, parks, bus stops, roads. In small cities, the absence of public transport probably forces more women to stay inside their homes, as their mobility is restricted. In the bigger cities, although some forms of public transport are available, they are not geared to make women feel safe or comfortable. What can one conclude from such surveys? Those safe cities are those where women feel safe. Those public facilities - such as transport, or public toilets, or shopping areas - must factor in women's safety as much as they should issues like access for the disabled. This does not require additional investment. It means we plan keeping these problems in mind. If we want half your population to

feel safe and comfortable, we have to find the ways to do so. [2]

II.   WAYS FORWARD

In 2004, Jagori, a women's group based in Delhi, has conducted an interesting survey of Delhi in the context of women's safety. Some of their findings are not surprising; others make one pause and think about what needs to change in the way our cities are structured. It included 3816 women, 944 men. The latter is an interesting category as it included men and women who would have witnessed incidents of sexual harassment. These could be shopkeepers, bus conductors or drivers, or others, men and women, who have fixed locations on streets or other public areas. As a result, the study is textured and also more credible. The majority of those in the survey were under 35 years of age. Over 40 per cent of the women and around 37 per cent of the men were college or university educated.The public locations where such harassment takes place are also interesting. While 84.9 per cent of the women reported it in market places, 83 per cent talked about Metro stations, 82.4 per cent in areas around schools and colleges and 79 per cent in industrial areas. School and college students faced the highest incidence of verbal harassment as well as visual harassment. Public transport, particularly buses,were the places where women experienced the maximum sexual harassment. [3]

III.   SOME FIGURES SHOWING VIOLENCE AGAINST WOMEN [4]

About victims	**44%** of victims are under age **18** **80%** are under age **30**
Sexual assault statistics	Every **2** minutes, someone in the U.S. is sexually assaulted Each year, there are about **207,754** victims of sexual assault
Reporting	**54%** of sexual assaults are not reported to police. **97%** of rapists will never spend a day in jail
About offenders	Approximately **2/3** of assaults are committed to someone known to the victim. **38%** of rapists are a friends or acquaintance

What happens to Rapists when they are Caught and Prosecuted? [5]

54% of rapes/sexual assaults are not reported to the police, according to a statistical average of the past 5 years.

Thoserapists never spend a day in prison. Factoring in unreported rapes, only about 3% of rapists ever serve a day in jail.

IV. ICT TO PREVENT WOMEN'S SAFTEY

Awareness through ICT for dress culture. Government has to impose either dress codes or should spread the information of awareness among the women's in school, colleges and working places

including the call centers and the IT industry**.** Government can use social networking sites for the awareness and can also arrange workshops for the school and college girls for the using various applications for their security.

Gadgets
Best Apps for Women Concerned with Safety and Security:-"Reduce Your Chances of Becoming a Victim, Get Help Quickly With These Apps".The best way to minimize your chances of becoming a victim of violent crime (robbery, sexual assault, rape, domesticviolence) is to identify and call on resources to help you out of dangerous situations. These five iPhone and Android apps put those resources at your fingertips quickly, and several of them have both free and premium versions.
Whether you're in immediate trouble or get separated from friends during a night out and don't know how to

get home, having these apps on your phone can reduce your risk and bring assistance when you need it. Although several were originally developed for students to reduce the risk of sexual assault on campus, they are suitable for all women:

Circle of 6

This App is Freely Available on iPhone.

Designed for college students, Circle of 6 is also useful for high school students or any female of any age who wants an easy-to-use system to alert friends when she's in a threatening situation.

Two taps will send out one of three predetermined text messages to 6 contacts of your choice including a call for help getting home that automatically includes an address and map of your exact location, or a request for a phone call from you to break up a tense situation.

The app also contains pre-programmed national hotline numbers and a local number you can customize for campus security, police or 911. [6][7]

Hollaback!

FreeAvailable on iPhone and Android.

"Hollaback! You have the power to end street harassment" is the tag line for this app which tackles the crime one perpetrator at a time.

Users can choose to take and upload a photo of their harasser "caught in the act" and submit their story to be recorded and mapped on ihollaback.org.

This not only signals the perpetrator that his image will be shared and posted on a street harassment prevention website, but also warns others of areas in which harassment occurs.[8][9]

bSafe

Free and Subscription Versions Available on iPhone, Android, BlackBerry.

A personal safety alarm that sends an emergency message to your chosen contacts with the push of a single button, bSafe's slogan is "Never walk alone."

The free version allows you to set up a safety net of "Guardians" who can respond to your SOS text message; one Guardian you designate will receive a phone call.

All Guardians receive a text message with a link to a map showing your location via GPS.

The subscription version of bSafe gives you two additional levels of safety: a Risk Mode with real time GPS tracking of your position, and a Timer Mode with automatic alarm activation

"This app could save your life!"

By combining call, text, video and live GPS location, bSafe turns your phone into the ultimate safety device. With bSafe you'll never have to walk alone again! [10]

Guardly

Free and Subscription Versions Available on iPhone, iPod Touch, Android, BlackBerry, Windows Phone 7.

Guardly is a personal safety service that instantly connects you with your safety network and authorities in an emergency.

This app differs from others in that it places a phone call to your contacts with your name, exact location, the type of emergency.

It also enable you to identify different locations you frequent such as "Home," "School" or "Work."

There's also a profile page where you can include personal information [11][12]

cab4me

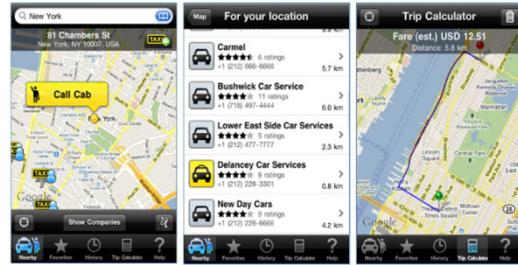Free and Subscription Versions Available on iPhone and Android.

Get a cab. Anytime.Anywhere.

That's the idea behind this mobile cab finder app.

Click on cab4me and your phone's GPS shows your position on a map.

You can select that as your approximate pickup location or choose a nearby taxi stand if one shows up based on available data. [13][14]

cab4me is your Mobile Cab Finder.

Some more Gadgets

India has developed a finger ring, through which we can spray/inject some sort of drugs, which will cause temporary pain to the culprit and women can escape from immediate attack. It contained 1/2 small needles, which will open once we press the bottom of the ring and press again will spray the drug.

A 'robotic sandal' that causes loud alarm and activates a recorded voice that asks for help.[15]

A 'watch' that gives electric shock to a potential molester, paralyses him for a few minutes and takes his photos [16].

Engineering student from Chennai has developed a new formula named as "ABROO SAWARAKSHAK" (PROTECTING FROM MOLESTATION) for protecting women. In that they have developed a sophisticated inner ware in which if someone tries a false act on any women it releases an electric shock of 3800 vaults. This device uses GLOBAL

POSITIONING SYSTEM and GLOBAL SYSTEM OF MOBILE COMMUNICATION in which it alters the information to relatives or guardians of the women.[17]

CONCLUSION

The survey concluded that "women and girls face violence and the fear of it on a continuous basis in the city.
Government can enforce use of ICT for women security.
Even though the above mentioned applications are costly for use but at least the metropolitan cities can adopt the same.
Generating awareness about dress code culture through ICT.
Government should try to implement these systems or technologies so that at least we will move forward for reducing such cases in India as well as in whole World.

REFERENCES

[1] http://www.sociologyguide.com/women-and-society/atrocities-on-women.php

[2] http://www.indiatogether.org/2010/aug/ksh-harass.htm

[3] http://www.indiatogether.org/

[4] http://www.rainn.org/statistics?gclid=CIGrj_iburY CFUN76wod_XAAuA

[5] http://www.rainn.org/get-information/statistics/reporting-rates

[6] NEW "CIRCLE OF 6" ANDROID APP TO PREVENT SEXUALASSAULT RELEASEDNATIONALLY

[7] http://www.circleof6app.com/

[8] the worker institute at cornell equity at work report

[9] http://www.ihollaback.org/

[10] http://neverwalkalone.com/

[11] OCAD U rolls out Guardly campus safety appas new school term begins

[12] https://www.guardly.com/

[13] Cab4me by Skycoders

[14] http://www.cab4me.com/

[15] Young inventors create innovative gadgets for women’s safety

[16] http://qstacks.com/?qa=186/gadgets-technology-available-prevent-sexual-harassment-women

[17] http://in.screen.yahoo.com/sexual-predators-watch-comes-anti-045211122.html