RESEARCH ARTICLE

Forging Technology in women's security: Introduction Of M- Protection In India

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Abstract

The aim of the study is to widen the word technology in the women's security zone. We all know that digitalization showed the magic of 'snap of finger' and made many things 'one click ahead'. Now technology stepped in towards m- protection for women. Technology took the devoir to fortify the females by launching many women protection application in smart phones. Earlier we were only accustomed with the word like e- governance, e-commerce, m-governance etc. Requisite of the time is to be aware of the resources accessible in the market for personal safety. The study highlighted the core challenges and suggestion in relation to m- protection and tapped the reason shadowing the 100% utilisation of the m-protection in India.

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1. Introduction

India is a country having population of 1.31 billion, second largest after China. According to 2001-11 statistics India's Literacy rate is 74.04%, in that male literacy rate is 82.14% and female literacy rate is 65.46%. The census noted a positive sign that growth in female literacy rates (11.8%) was substantially faster than in male literacy rates (6.9 %) in the 2001-2011 decadal period. Digitalization of any area will mostly benefit the literate section of the society. At present we all are aware of gravity of women's safety, so protection is the present talk of the society. If we will consider the physical point we will find that women's are not physically strong as men, in an emergency situation a helping option would be a relief for them.

2. LITERATURE REVIEW

"......we take a look at some crucial statistics concerning rape in India- one of the most pressing issues that our country faces.

.........each day' around 92 women get raped in India. In the last year, Delhi alone reported apporoximately1600 rape cases. Total number of rape cases in the country in 2013 was 33,707; in 2012, it was 24,923 of these half the victims were aged between 18 to 30. Each day, around 60 new rape cases are reported. Also every 30 minutes, a rape is reported in the country. There was at 52.30% increase in the number of rapes reported in the country from 2001-2013. India fares among the top 10 countries with the highest rape statistics. India has a conviction rate of 24.2% in rape cases, anywhere between 50-90% rape cases go unreported. Statistics vary, however; some say that 50% rape cases go unreported, while soe put the figure at 90%. A report by the government of Odisha estimated that over 60% sexual assault cases go unreported. What ever the case, the fact remains that a large chunk of rape goes unreported. Rape is barely scratching the surface of the problem. Underneath lie disturbing attitude towards the fairer sex, including victim blaming inequality among genders, domestic voilence, chauvinistic mindsets and bigoted prejudice............" (December 16, 2014) by, YC Editorial board

Statement given by minister of home affairs on November 30 " we need innovative ideas to tackle these issues and effective use of technology go a long way in ensuring safety of women and other vulnerable sections of society" joint secretary (police modernisation) in the union minister of home affairs has said in statement.

WHAT IS M-PROTECTION?

M-Protection (Mobile protection) or SOS app is a mobile application used to aid safety of women. Such applications started dominating the need in the media after the 2012 Delhi Nirbhaya gang rape case and consequent demurral against rapes, molestation and mistreatment of women.

The application cover features like sending text messages, emails,, Facebook, or even tweets to selected friends and in some application police station also with approximate location, audio and video extract or emitting a loud "shrill whistle" as alarm. Additional to these features includes geo fencing and preventive alerts. Few applications include features like customize the alert messages and ringtone.

Actually, every application is having its own different triggering pattern in relation with different exigency situations. Most common triggering mechanisms is pressing and holding switch buttons for few seconds, vigorously shaking phone, tapping SOS or alert button and few applications also detect loud screaming sound. After triggering the alert button application automatically start working like sending text messages and email with audio and video snippets.

Dial Number release by the Government of Uttar Pradesh for women safety it is difficult to women those who not using smartphone they feel difficulty in using apps for the women safety for them government started help line number 1090 is very helpful for all the women in the state.


Dial Number release by the Government of Tamil Nadu for women safety it is difficult to women those who not using smartphone they feel difficulty in using apps for the women safety for them government started help line number 181 is very helpful for all the women in the state.

VITH U: GUMRAH INITIATIVES

Vith U is an exigency application, in this app 2 times serial or consecutive clicking of the power button will start sending messages in every 2 minutes to your registered receivers. The message contains text "I am in danger. I need help. Please follow my location." This app also provide safety tips for emergency situations and if you have been a victim or bystander of any crime incident then u can share it to channel V by sharing it on 'submit your story' option in menu bar.
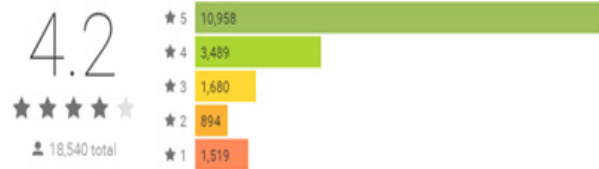
SOS – PUKAR

This application is developed by the 'People for Parity' (PfP) for personal safety. With this app if someone find itself in a situation like stalking, kidnapping, eve teasing, road accidents, unwanted sexual advances etc. One can use this app by simply pressing SOS button, then this app will automatically send alert messages with persons GPS location to the 5 registered contacts and to the local police station at regular intervals. With additional to this feature phone will autoatically become silent, display brightness will be reduced, phone will become a GPS device and will start notifing that app is alive. Presently Alwar, Nainital, Kota and Udaipur police have partnered in it.
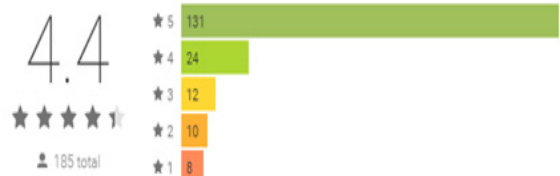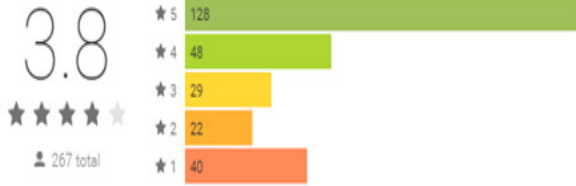

SCREAM ALARM

This scream alarm is simply a free safety alarm and its usage is very easy and elementary. As one

only needs to push the button and the phone will start screaming loudly with a women's voice. One can use this app at the time one feeling insecure.


b SAFE- PERSONAL SAFETY APP

This application is having features like live GPS trail with emergency contacts and can share locations. In this app if you opt for time mode then automatic alarm will trigger if you haven't checked in in time. With this app one can make phone ring with false call or fake call at times. It also consists of 'Guardian Alert button' which will immediately notify family members and friends that you are in need of help with location details, video and even siren. This app is specially developed for everyday safety.
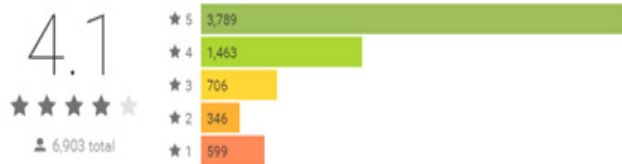
**WOMEN SAFETY HELP TOTEM SOS**
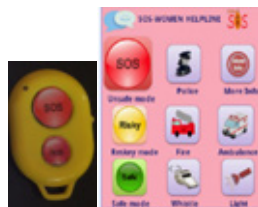
Totem SOS application originated by a former superintendent of police. This app contains remote Bluetooth AB3 selfie shutter button which need to be paired using Bluetooth with your phone. This app will send emergency message by clicking three times on the selfie button. Totem SOS app is basically based on traffic light model like use 'Green' when you feel safe and everything is fine, 'yellow' when you feel yourself in risky zone and use 'Red' i.e. SOS button in the tie of emergency which will send messages to family, friends and police. In this app dial 3 digit toll free helpline of respective country for ambulance, fire and police which changes with the country globally. This app is having elementary features also like whistle, torch light, scream help etc.


i GO SAFELY

After installing this app on your android device firstly, you need to set secret disarm code, then register one or more emergency contacts and whenever you feel uncomfortable with the surrounding you just need to arm the app. As once app is armed and you feel unsafe just shake your phone vigorously or just unplug your headphone, the app will send text message or email to your emergency registered contacts with GPS position, street address and 30 seconds audio recording. Registered contacts will receive update in every 60 seconds until you stop the alarm by putting disarm code. Few additional features of this app are BDW (Battery Depletion Warning) with this feature app will send text message or email to your emergency contacts before the device loses its power. It also contain Device Status monitor which will provide all details about device's connectivity.
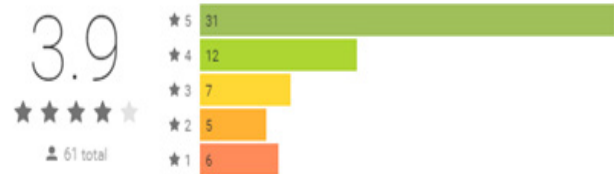

RAKSHA – WOMEN SAFETY ALERT

This app is originated by team Bharat Sewa (A Non-Profit Organisation). Through this app your registered contacts can see your location and you can view theirs. Now your dear one need not to worry all the time as even if app is not running or switched off, pressing volume key for three seconds will alert the registered contacts. This application can dial 100 and send sms without mobile internet. In general this application secures the street for females.
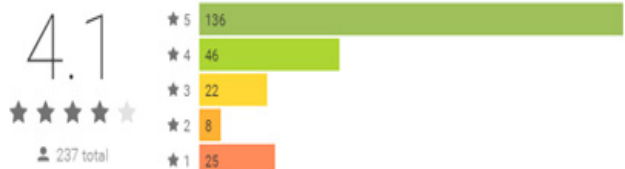
U.P. GOVERNMENT INITIATIVES

Remarkable initiatives by private IT firms and advocacy group, now government is spurting resources in to the sensitive issue of women's safety. After the success of 1090 helpline number. On the birth anniversary of Indian freedom fighter Lakshmi bai UP Chief Minister Mr. Akhilesh Yadav tribute her by launching women protection app named "1090 shakti", the application was architected by Delhi based Indian eye security. This app inheres of two types of panic button on the application i.e. family alerts and police alert. This app works on automation as just after tapping alert the app will automatically send the location of the user, 20 second of video recording, and audio extract of 30 seconds to the register guardians until the alert is deactivated. At the time of threat user can opt for police alert as this will automatically send text messages to nearby police station. 1090shakti app can be avail under the jurisdiction of the Uttar Pradesh police.

Victims in Uttar Pradesh Category wise:

Source: http://1090up.in/HomeGraph.aspx
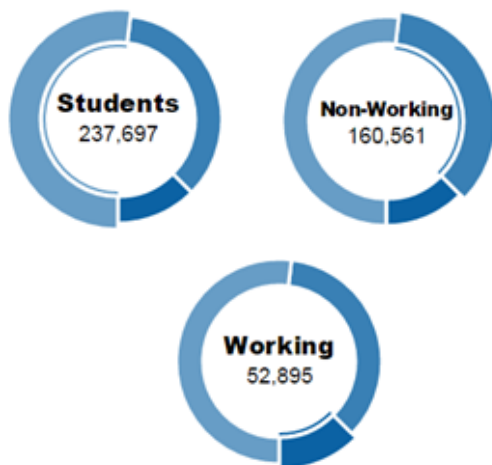
2. Statement of Problem

The Problem of women is a big challenge for the government in power, government should maintain law and order. In the era of technology, it is possible to maintain law and order via technology government had launched various tools of the women security but still some problem is there working women required more security.

Objective of the study

1. To identify approach of m-protection in women.
2. To find out women using technology for the protection.

3. RESEARCH METHODOLOGY
Research Design

The study was conducted on the basis of Survey research, exploratory as well as descriptive methods used. Exploratory because deep study of women's security application and technology intervention in women's security

Sample

Sample in my sampling frame was 1250. In this study we determine 1250 samples at 95% confident and accept 05% probability error, this calculation from Taro Yamane (1967) formula.

$$n= \frac{N}{1+N(e)^2}$$

$$n= \frac{1250}{1+1250(0.5)^2}$$

n = 399. (By Round off)

Sampling Technique

In pursuance of the documented objective, Hypotheses and information need, the data for the study had been collected through the simple random sampling method.

Source of Data

The Sample unit (Respondent) for collecting primary data comprises working women who used to work at night or place where the number of women is less.

In addition, secondary data had taken from journals, books, and internet etc.

Data Collection Tools

The questionnaire was designed to match with the objectives of study and conceptual framework. A short questionnaire with conceptually clear and summarizing statements is judged to be desirable for both the respondents and the researcher. Interview conducted by the researcher himself to collect the data from the respondent. one page single side questionnaire was designed keeping in mind the objective of study which were find the impact of microfinance for poverty alleviation and performance of microfinance. The Literature survey and pre study consultation with supervisor and experts were taken into account. The questionnaire consisted few open ended question and closed ended question.

The study was based on Primary as well as Secondary data which have been collected from various articles, journals, newspapers, websites etc. to obtain the requisite of the study.
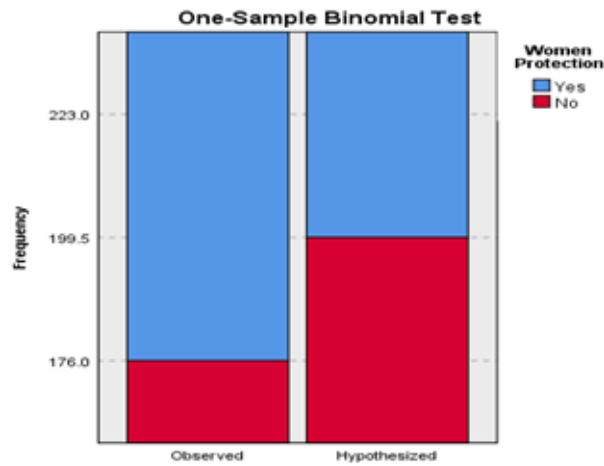
DATA ANALYSIS
M Protection

One-Sample Binomial Test Summary	
Total N	399
Test Statistic	223.000
Standard Error	9.987
Standardized Test Statistic	2.303
Asymptotic Sig.(2-sided test)	.021
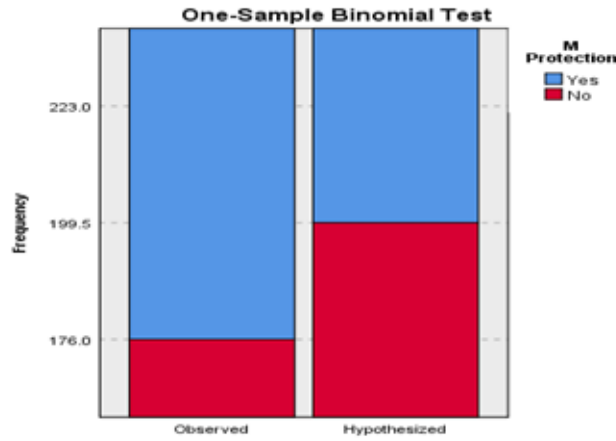
Women Protection

One-Sample Binomial Test Summary	
Total N	399
Test Statistic	223.000
Standard Error	9.987
Standardized Test Statistic	2.303
Asymptotic Sig.(2-sided test)	.021

Technology

One-Sample Binomial Test Summary	
Total N	399
Test Statistic	223.000
Standard Error	9.987
Standardized Test Statistic	2.303
Asymptotic Sig.(2-sided test)	.021

App
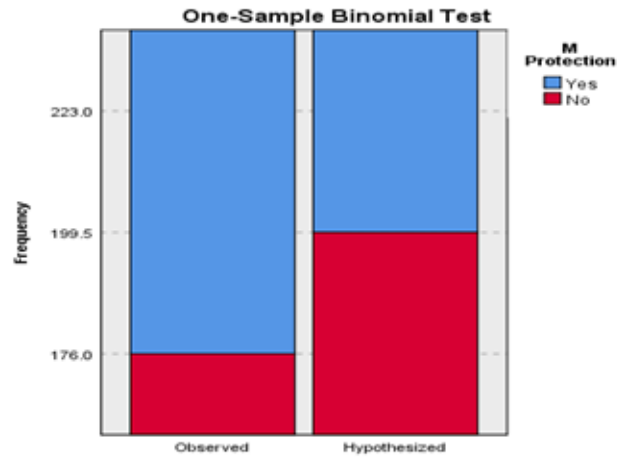
One-Sample Binomial Test Summary	
Total N	399
Test Statistic	223.000
Standard Error	9.987
Standardized Test Statistic	2.303
Asymptotic Sig.(2-sided test)	.021

M_App

One-Sample Binomial Test Summary	
Total N	399
Test Statistic	223.000
Standard Error	9.987
Standardized Test Statistic	2.303
Asymptotic Sig.(2-sided test)	.021
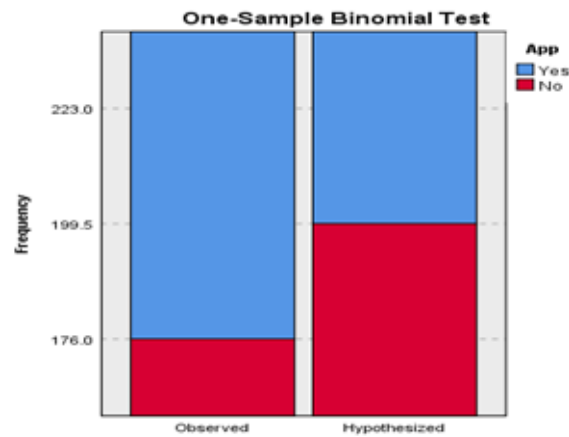
One-Sample Binomial Test
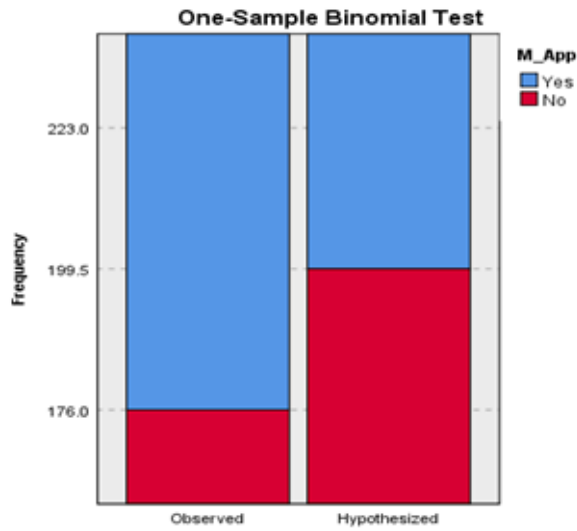
Dial_Phone

One-Sample Binomial Test Summary	
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Test Statistic	223.000
Standard Error	9.987
Standardized Test Statistic	2.303
Asymptotic Sig.(2-sided test)	.021

One-Sample Binomial Test
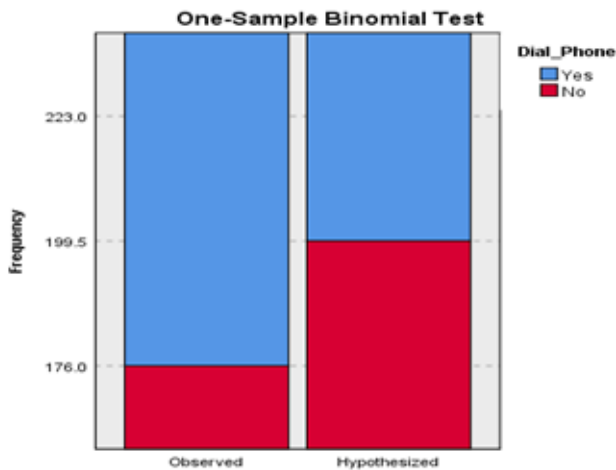
Response

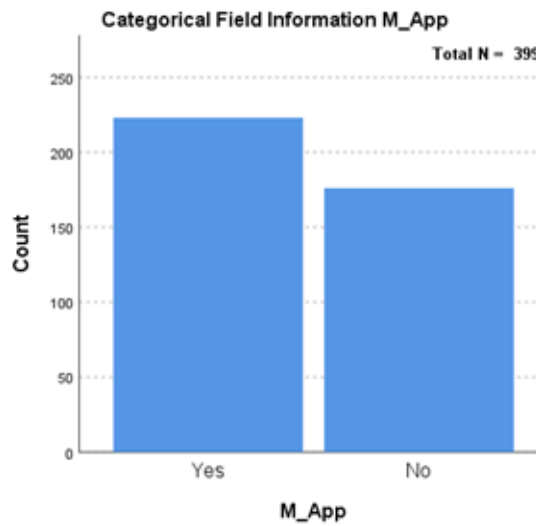| One-Sample Binomial Test Summary	
Total N	399
Test Statistic	223.000
Standard Error	9.987
Standardized Test Statistic	2.303
Asymptotic Sig.(2-sided test)	.021

Categorical Field Information Technology

Categorical Field Information App

Categorical Field Information M_App

Categorical Field Information Dial_Phone

Categorical Field Information Response
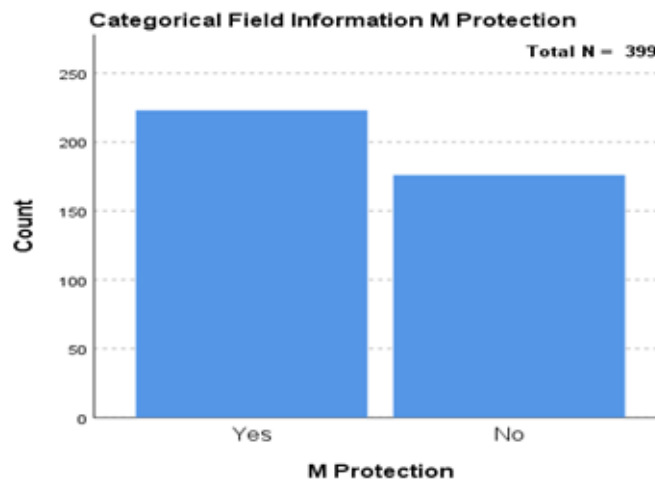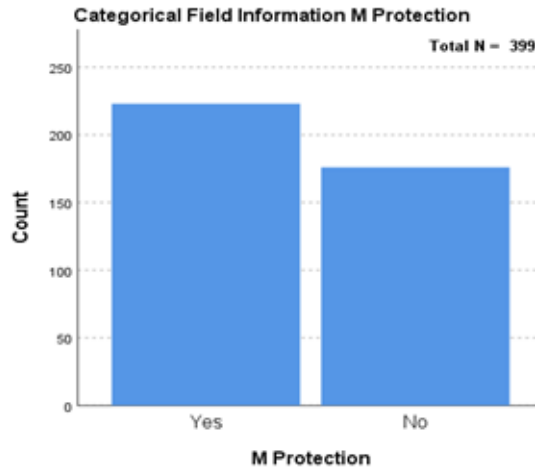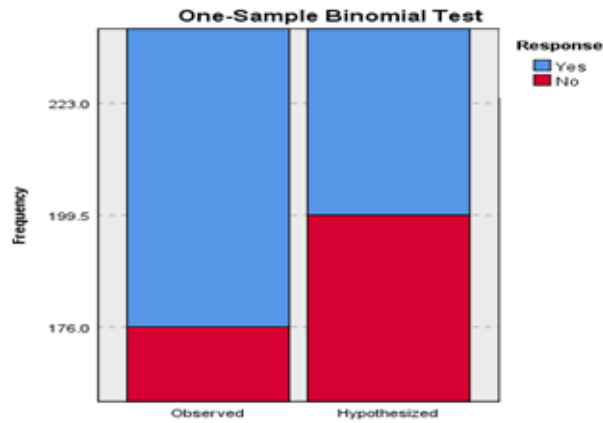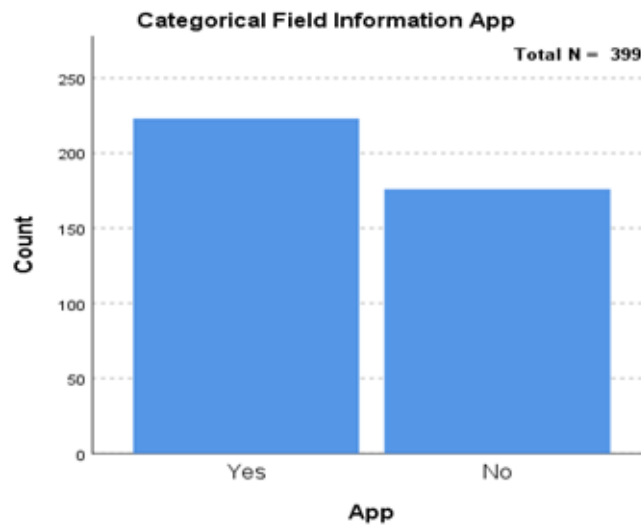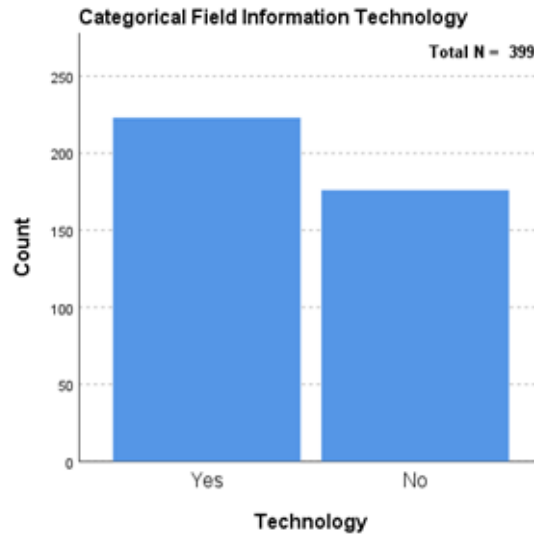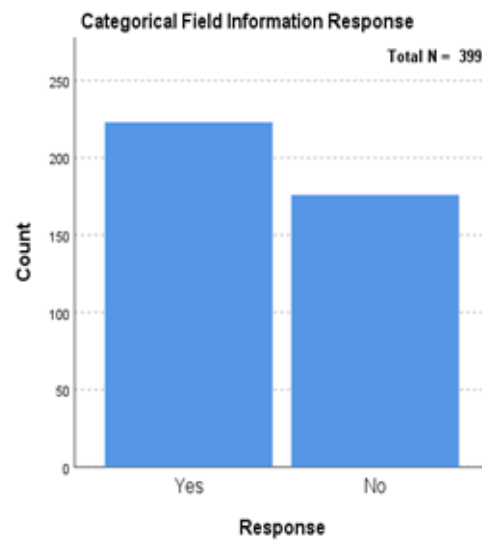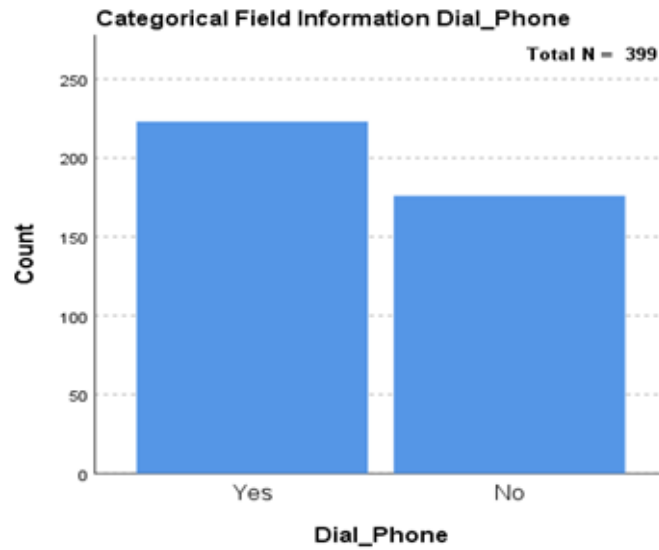
Correlations

Descriptive Statistics			
	Mean	**Std. Deviation**	**N**
M Protection	1.4411	.49714	399
Women Protection	1.4411	.49714	399

Correlations			
	M Protection	**Women Protection**	
M Protection	Pearson Correlation	1	1.000**
	Sig. (2-tailed)		.000
	N	399	399
Women Protection	Pearson Correlation	1.000**	1
	Sig. (2-tailed)	.000	
	N	399	399
**. Correlation is significant at the 0.01 level (2-tailed).			

Eleyon Publishers

CHALLENGES IN THE WAY OF M-PROTECTION IN INDIA

- India is currently having 74.04% of literacy rate, out of that 65.46% is female literacy rate and out of this 65.46% only 20% to 30% females use smart phones.
- These apps not support all mobile phones, because of configuration of mobile phone, as app supports only android enabled phones or smart phones.
- Fraction of apps support only internet asses in phones, which reduce the gravity of app in the developing country like India where we can not avail strong internet network at every step.
- Out of total population of females using smart phones, approx 70% of them not completely aware about the maximum feature obtainable on their phones.
- The population having smart phones doesn't mean that they are also handling m-protection app in their phones.
- Every age group in India is not technical friendly.

FINDINGS AND SUGGESTIONS

- About more 50% women now aware about the security dial number and security app.
- Every part of India is not having technically sound police personnel. So to meet the exigency, state needs to pilot more and more training programme for the police at proper interlude.
- The snag related with awareness also hinders the full aim of the m-protection. As in market we are having "N" numbers of new and highly advance app for personal safety but lack of awareness apart many from m-protection.
- By eyeing few reviews the study extracted a problem related with internet and network hitch which is common in India. As recent government is spurting towards wifi zones concept which at least draw a way towards future expectations.
- Training and awareness programme related to the use and need of m-protection should be organised at school level, college level and office level.
- Systematic advertising of newly launched apps should also be incorporated to reach general public like nuked natak, road side LCD display video etc.

Conclusion

Changes are the law of nature. So with changing scenario India is widening hand for the era of digitalization. Early we focussed on snags like women empowerment but current situation demands shift from 'empowerment to security'. M-protection is a pro-active source through which we can secure our streets for women. Recently Union Home Minister Rajnath Singh launched 'Himmat' app in Delhi keeping in mind the safety of employed women. The main hitch in obtaining 100% result is that only 20% to 30% of the females in India use smart phones, but we know "A journey of a thousand miles begins with a single step".

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