

A Survey on Cyber security awareness among tier3 area persons in Chennai city

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Abstract— Cybercrime term coined where computer is defined as a crime, where a computer is the tool of the crime. Hackers use the computer to phreak personal data, government data or to shut down the device. Survey is conducted among tier 3 regions in North Chennai. Cybercrime is an emerging threat which focuses on international security and privacy. People must be aware of their safety measures in protecting. A matrix method of questionnaire survey is used for analyzing the awareness of cyber security in these people. This study predicts the cyber security awareness among different cadres of people starting from students to drivers.

Keywords- Cybercrime, cybersecurity, Survey

I. INTRODUCTION

Among the people available in Chennai ten in one netizens encounter cyberattacks. Among the study conducted NEDT TV—cyber attacks in cities, brings note of all components like financial status, Android phones, windows etc. Tier 3 regions in Chennai are considered in our study as most of the people are not familiar in using computers [1]. As per the survey, amongst tier 3 regions in Chennai Thiruvottriyur has recorded the highest percentile of cyber attacks. This survey is taken from April 2019 to September 2019. Each month has shown different variations in different areas. As North Chennai regions face more cyber attacks the urge of cyber intelligence group need to be guided for this people. Cyber attacks are increased in weekdays compared to weekends [2]. From April 2019 –September 2019, Thiruvottriyur is caught by more cyber attacks(53 percent), closely As per the report, cyber risk exposure steadily rises on working days in metros, starting from Monday and records the highest on Friday [3]. Trojanware and ransomware file attacks continue to grow faster as the people tend to open unknown mails and click unknown links. There is only 1% infection rate in 2015 as the number of mobile users is very less, but now it keeps on increasing [4].

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II. METHODOLOGY

Survey is conducted based on questionnaire method as most of the people are new users of computers and android mobiles. Protection of system details from hackers is a challenging task to everyone. Housewives, students, pity shoppers, drivers involved in this research study. Temptation, curiosity stands as a top reason for people in these categories to get into cyber-crimes. College boys use cyber crime as a revenge tool among girls. Girls due to their exposure are cornered by them. Androids mobiles act as a magical gift as we can get all at our doorstep. From Gold jewellery to house hold appliances all is got at a single click. It's very astonished to see even for coffee people order through zomato and uber door services [5]. Previously we go to banks for crediting and debiting accounts, but now everything happens through NEFT transactions. Healthy social communications are going down day by day. Students used to take notes of lesson as the teacher dictates but now they are requesting PDF to study as they are used to mobile phones rather than book and pen. Plagiarism is a current topic now as the educationalists lose their patents and research work due to the stealing of their ideas. Many cybersecurity awareness programs are conducted for the schools and colleges in North Chennai. The sample is a part of the people taken for examination. Sample size is fixed as 400 which comprise different categories of people.

III RESULTS AND DISCUSSION

Table 1. Table showing people affected by different types of threats

Types of people			Types of Threats			
	Malware	Phishing	Man -in -the middle attack	DOS	Password attack	cyberstalking
College Students	98	32	43	23	76	56
House wives	78	23	10	12	23	78
Pity shoppers	34	12	1	23	15	12
Drivers	77	15	0	2	9	1

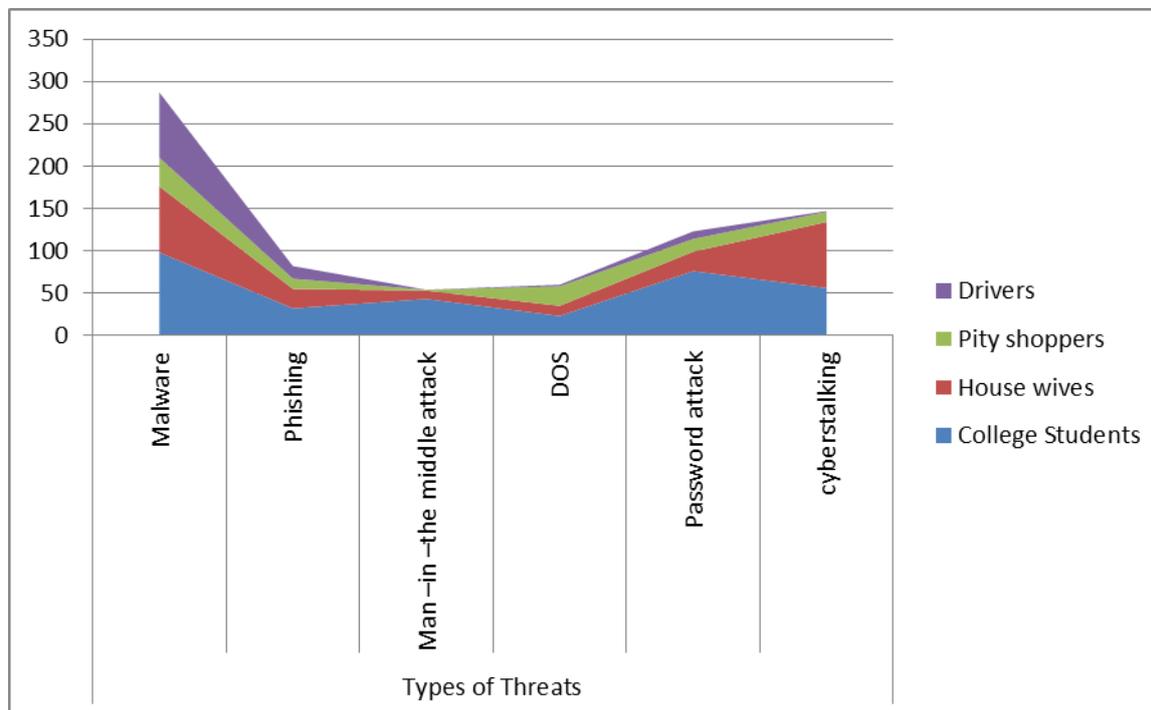


Fig1. Graph showing different types of people involved in various cyber attacks

Questions for survey is framed based on cyber security problems like popups, spam mail, spoofing, phishing etc. This is formed as a questionnaire where the incumbents just need to fill the form by ticking on the multiple choice answers.

IV. CONCLUSION

Cyber crime is one of the severe international security, we are fronting nowadays. Cyber crimes are mostly committed by new users of Android phones. Temptation and Suspiciousness tend to push the persons unknowingly to cybercrime. Popups that pop their website while using their system causes thrash when these persons are unaware of the consequences when clicked. URL that tempts these persons to click and win a prize make these persons a reason for cyber crime. Cyber crimes can occur even when we are careful but this is only a meagre percentage. But most of the cybercrimes occur in these types of tier 3 area in Tamilnadu where people new users of whatsapp and android phones. Hackers target these type of persons where it is easy to hack their information. These pity persons sometimes are not even aware that their details are hacked. Some people only after going to banks find that their money is hacked and their solution remains a question mark. This survey result embarks that people in tier 3 areas of Tamilnadu are easily hacked and they are much affected by cybercrimes. Government should take

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proper steps to control the threats caused to these people. Proper awareness and advertisements will help them to an extinct. College students in Tamil Nadu are having above average level of awareness on Cyber related threat issues which can help them to protect themselves from the cyberattacks. cyber awareness when inculcated to these people will protect themselves from hackers and hence the awareness has to be created in higher level.

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