

Cyber Security Awareness

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Abstract - In this research paper we will talk about cyber security awareness. What is cyber security and why we need awareness of cyber security. Today we all are using internet and sharing our data and information on internet so it can be theft or steal so we need to have its security by all manner. We will also cover market of cyber security. We will also know that what are threats that we will face on internet. We will also talk on why awareness of cyber security is required. Why it is needed, and what benefits we will get after knowing it. This whole research paper is based on awareness of security of our data on internet. We will also talk how to get awareness of cyber security. And we will discuss what information of ours may be stolen via internet.

Keywords: Cyber Security, Awareness, data, information, internet, threats.

I. INTRODUCTION

Today we are all using internet and sharing our data via internet. We are using lots of web applications like Gmail, maps, digital locker, etc. So, we need security to keep our data securely because some hackers can steal our data and they can communicate to world by using our identity. They can steal any type of our data.

Like they can also view our bank details and they can also read our messages etc. We need to have awareness regarding our digital data in today's world. Because data is our most precious thing in this world. There are various ways that we can spread awareness of cyber security. We must think on every part of security. So, users get proper awareness of cyber security. There are also threats in the IT world. There is various type of users on internet so we have to give different type of awareness.

II. METHODOLOGY

We had read different types of research paper on cyber security awareness. So, we got much information regarding cyber security awareness. We knew that what are methods applied by some organizations to spread awareness among

users. We have read articles on cyber security awareness so we got knowledge that how to get awareness and what are key points we need to consider in this topic. We collected our points on bases of research we have done. We had read on many types of points for this paper and we selected some necessary points to prepare this paper.

What is cyber security awareness?

In today's world we live in the age of information technology we have our data online or on the servers. So, we must be aware that this information can be stolen by hackers and they can use it for they own interest. So, need it to keep our data secure. Some of our data is very important like bank details. If hacker has all details of our bank account and we had interaction with hacker then they can easily transfer our cash to their account. It is very risky. If we are chatting with anybody then hacker can hack our phone and read our messages. They can also send messages from our behalf.

Why awareness of cyber security is required?

We have lots of data in our devices. If we do not use antivirus software then our data can be stolen by hackers and they can have access of our data. Likewise, if have stored our data on servers then servers need security like we can add firewall to servers so we can keep our data secure. We all have some sensitive information like bank details so these types information we must keep securely. Because if it is stolen then we may be lost our cash. Some people called as hacker can steal our data and they can use it on their interest. They do not care about our identity or security.

III. THREATS OF IT

Hacking is the main threat to the IT field. We must be aware that our data can be stolen by hackers whether it is available online (servers) or offline (devices). We must use antivirus software in our devices so hackers cannot steal our data. In today's world email is primary tool for communication and hackers are sending emails to hack our data so we must be aware of that and we must not click on untheorized links that we get in our email account. There are

some viruses called malware and ransomwares they can hack our devices if they enter on our device by email. Web browser is hot target for hackers because it is directly connected to the internet and we visit every website by it. We have our data regarding to our activity in the browser.

IV. CYBER SECURITY AS AN OPPORTUNITY

We can run training program on awareness of cyber security so user can get knowledge regarding it. So, people also can earn from it. We can find jobs in the field of cyber security and earn money. Cyber security is very important field in today's world because we have seen data theft and hacking so we must keep our data securely. There are varieties of work in cyber security we can learn anything that comes in our interest area. We can start spreading awareness from school and colleges because as we know that today's students are spending so much their time on social media. Security of their data is very important. Security is also very important to servers so we can find jobs to companies to maintain security to their servers.

How to get awareness?

We can participate in different programs of cyber security awareness. We can learn about cyber security on internet by doing some certification course on awareness. We must know that hackers can hack our devices by sending emails so we must be aware on that we should not click any unauthorized link of emails. We should read daily news on cyber security and about hackers that how they are hacking our devices. What are tricks they are using to hack our devices. We must not click on unrecognized links which is received by messages. And most important do not trap in "lottery scheme" notifications which we receive in our phone. It is also a cyber-crime.

What information of ours can be stolen?

Hackers can steal our bank details, emails, messages, contacts, images, videos, etc. So, we must keep these things securely. We must not keep password in written in any file. And if we doing this then do not keep these types of files on internet. We must use antivirus software in our devices so we can keep them secure. If we are putting some type of data on the internet then we must have trust on that site. Our name, mobile number and occupation is very important because some organizations are purchasing this information to sell their products / services. Like we have seen that banks are calling us to buy their credit cards and for giving loans to us. So, from somewhere they are getting this information.

V. CONCLUSION

In this paper we have discussed on various types of points regarding to cyber security awareness. Like what is cyber security awareness? how to get awareness? threats of IT etc. By this paper user can get awareness on cyber security. And they can learn lots of things from it. We discussed on some opportunity that we can get from cyber security.

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Citation of this Article:

Dr. V.R.Dhawale, Prof. Rana Afreen Sheikh, Rajendra Dahare, Nirav Girnari, Pratik Perkawar, Palash Sahare, “Cyber Security Awareness” Published in *International Research Journal of Innovations in Engineering and Technology - IRJIET*, Volume 6, Issue 10, pp 116-118, October 2022. Article DOI <https://doi.org/10.47001/IRJIET/2022.610020>
