

# Cyber Security Awareness Among Students

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**Abstract-** In the electronic age students are growing to be more dependent on the internet for education, communication and entertainment. But this also puts them at risk of various cyber threats which include phishing, hacking, identity theft and malware attacks. This research paper looks at the issue of cyber security awareness among students and we also put forth the importance of safe online practice. We aim to look at present risks and to put forth basic preventive measures that students may use to improve their security in the online world.

## I. OPENING REMARKS

With the advent of technology which is at a fast pace of growth the internet has become a daily aspect of what students do. From on line classes to social media and digital payments our lives are practically digital. But what we see is that many students do not have the right knowledge in cyber security which in turn makes them easy targets for online threats. Cyber security is the field which deals with the issue of protection of systems, networks, and personal information from cyber attacks. This paper we aim to study the students' awareness in this area also to put forth the importance of basic cyber safety.

## II. REVIEW OF LITERATURE

In a review of past studies we see that which is a large group of students is not aware of common cyber threats and safe online practices. We find out that weak passwords, sharing of personal info, and clicking on unknown links are among the most common errors students make. Also it is brought to light by many studies that there is a need for greater cyber security education at school and college level which in turn will increase awareness and reduce cyber risks.

## III. METHOD WHICH WAS USED

This research is from what I have observed in general, online resources, and from what is typical of student behavior on the net. We look at:

- Awareness of cyber threats
- Online behavior of students
- Common mistakes made online
- Preventive measures

## IV. POPULAR CYBER THREATS FOR STUDENTS

### 4.1 Phishers' Attacks.

Phishing is a scheme which puts out fake emails and messages that get people to send off personal info like passwords or bank details.

### 4.2 Malware Attacks.

Malware is a type of software which damages devices and steals data. It usually spreads via downloads or unsafe websites.

### 4.3 Social Media Risks.

Oversharing of personal info on social media can lead to identity theft or cyberbullying.

### 4.4 Poor quality passwords.

Using easy to guess passwords accounts is a sure fire way for attackers to get in.

## V. PREVENTIVE MEASURE

Students can protect themselves by following simple cyber safety practices:

- Use strong and unique passwords
- Avoid clicking on unknown links
- Do not share personal information online

- Use antivirus software
- Enable two-factor authentication

## VI. RESULTS AND DISCUSSION

We found out that many students are aware of basic internet use but are lacking in cyber security knowledge. This gap in their infosec knowledge increases the risk of cyber-attacks. Through education and training we see that we may greatly reduce these risks and also help students to use the internet in a safe way.

## VII. RESULT

Cyber security awareness is a must for students in today's digital age. They put out when they are made aware of common threats and follow basic safety protocols which in turn protects them from cyber-attacks. Also, it is the responsibility of educational institutions to promote cyber security knowledge among students.

## REFERENCES

- [1] National Cyber Security Guidelines
- [2] Research papers on cyber awareness
- [3] Cyber security articles and online resources
- [4] Government cyber safety portals