

## A Study of Awareness about Cyber Security among the MBA Students of Deshbhakta Ratnappa Kumbhar College of Commerce, Kolhapur

**Dr. Mrs. Tejaswini A. Hilage**

[tejaswini.hilage@gmail.com](mailto:tejaswini.hilage@gmail.com)

Assistant Professor, Deshbhakta Ratnappa Kumbhar College of Commerce, Kolhapur

### Abstract :

The use of information technology has entered in daily working of people. Many IT applications are being used in daily operations. With the increasing use of information technology, many security threats are also emerged and started affecting the cyber security. With this cyber security plays an important role in the era of information technology. Moreover, protecting the data in cyberspace is biggest challenge in from of the end users. Various security techniques like cryptography, firewall are available to protect the data. Many times, the users are not aware about how to use that security techniques. This paper focuses on the awareness among the students about cyber security among the students.

**Keywords :** Cyber security, Information Technology, Cyber space, Cryptography, Firewall etc.

### Introduction –

Data transmission task became easy with the use of IT. In India the number of mobile users is increasing day by day. We are using diverse mobile applications and with that all our data is available on one click. As data is easily available , there is increasing threat of data security among the users. The companies are using the security techniques but many times the users are not aware about use of these techniques. The techniques like authentication, access control, anti-virus S/W, firewall etc. are useful for data protections. Cyber security is referred to ethical and authorised use of data. Confidentiality, integrity, availability, authentication, authorisation etc. are the major principals of cyber security. Malware, phishing, virus attack etc. are the threats for data security.

### Review of Literature :

G.NIKHITA REDDY1 , G.J.UGANDER REDDY2, in their research article, “A STUDY OF CYBER SECURITY CHALLENGES AND ITS EMERGNING TRENDS ON LATEST TECHNOLOGIES” highlights on security threats and various security techniques available for data protection. Atul Arun Patil in the research article, “Research Paper on Cyber Security Challenges and Threats” analysed as cybersecurity treat landscape is always changing and getting more complex. Financial loss, reputational harm, operational interruptions, privacy violations, and even hazards to national security could be caused by these attacks.

Ansh Singh1 , Gulshan Kumar2 in their research article, “A Research Paper on Cyber Security” studies as data security and privacy is top-security precautions that are taken by any firm. Right now, we're living in a world where every piece of information is kept up to date digitally or online. Clients of person-to-person communication destinations can draw in with loved ones in a solid climate. Cybercriminals would in any case target long range interpersonal communication locales on account of home clients to take individual data. Of the organizations that have either maintained or increased their cyber security resources, half are increasing the number of resources allocated to online threats this year. Most businesses are getting ready for cyberattacks—not if, but when. Merely 33% express total confidence in the safety of their data, and even fewer in the security protocols of their business associate.

**Objectives :**

1. To study the awareness about data security methods.
2. To Study the opinion about data security among the students.
3. To study awareness about security threats.

**Research Methodology :**

Research Type : The present research study is descriptive research

Universe : 120

Sample Size : 50

Sampling method : Convenient sampling technique.

**Data Analysis & Interpretation :**

Table 1. : Students Awareness :

Sr. No.	Response	No. of respondents	Percentage
1	Yes	36	72
2	No	14	28

The above table shows as 72% of students are aware about cyber security whereas 28% of students are not aware about cyber security.

2. Table 2 : Do you feel your data is secure on online platform

Sr. No.	Response	No. of respondents	Percentage
1	Yes	12	20
2	No	40	80

The above table shows as 80% students feel that their data is not secure on online platform whereas 20% students' feel there data is secure on online platform.

Table 3 : Awareness about security techniques ->

Sr. No	Technique	No. of Respondents	Percentage
1	Password protection	40	80
2	Firewall	2	4
3	Cryptography	3	6
4	Authentication	5	10

The above table shows as more students are well known with poassward technique for data security.

Table : Need of awareness Programs :

Sr. No	Response	No. of Respondents	Percentage
1	Need awareness programs	30	60
2	Do Not need awareness	20	40

	programs		
--	----------	--	--

The above table shows as 60 % students need awareness programs for cyber security.

Table : Awareness about security threats :

Sr. No	Response	No. of Respondents	Percentage
1	Aware about security threats	25	50
2	Not aware about security threats	256	50

Above table shows as 50 % students are aware about security threats whereas 50 % of students are not aware about security threats.

#### Finding :

1. 72% of students are aware about cyber security.
2. 80 % students feel their data is secure on online platform.
3. 80% students are well knowing the password methods of data security.
4. 60 % students need awareness programs of cyber security.
5. 50% of students are aware about security threats whereas 50 % students are not aware about security threats.

#### Suggestion :

More programs need to be conducted for creating awareness among students for data security and security threats.

#### Reference :

1. G.NIKHITA REDDY1 , G.J.UGANDER REDDY2, “A STUDY OF CYBER SECURITY CHALLENGES AND ITS EMERGNGING TRENDS ON LATEST TECHNOLOGIES”
2. Ansh Singh1 , Gulshan Kumar2, “A Research Paper on Cyber Security”, International Journal of Research Publication and Reviews.
3. Neeraj Kumar Nage, Devendra Chaphekar, “A Study of Cyber Attacks in India due to Lack of Security”, 2000, International Journal of Technology.
4. Hajiram Beevi J, Fathima Fouzia J., Munawara Banu S., “Protecting Women in the Digital Era: Combating Cyber Threats with Laws and Safety Measures”, Nationat Journal of Cyber Security Law
5. Mujtaba Awan and Abu Alam , “Cybersecurity Threats and Defensive Strategies for small and Medium Firms : A Systematic Mapping Study”, MDPI