

A STUDY OF CYBER CRIME AWARENESS AMONG THE PROSPECTIVE TEACHER IN AMRAVATI DISTRICT

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ABSTRACT

Internet is becoming an important part of every person's life in modern times. Every person is using computer to a large extent. Due to the facilities available in every person who uses the mobile phone through the mobile phone, it has become a situation that he carries the computer with him. Due to this, every individual is seen to be heavily dependent on the cyber world. The result is that due to the increasing use of computers and Android phones and the facilities available in them, the number of cybercrimes is increasing in a big way. In modern times, a very serious problem of cybercrime is emerging. With the information available and easily accessible on the internet, everyone is increasingly dependent on it. Due to this, academic and daily tasks are also seen to be easy and convenient. Apart from this we also get happiness but sometimes excessive use of these computers also gives us pain. Cyber criminals use many tricks to cheat people while using computer or mobile. Cyber world is becoming a necessity for everyone in the current situation. It can be seen that from the government sector to the professional sector and from school students to college students and from teenagers to adults all the worlds are availing this facility. This research has studied the awareness of cyber-crime among the prospective teachers in college of education. Total 100 prospective teachers from Amravati districts have been selected for this research. A self-constructed and validated cybercrime awareness scale has been used to collect data. This research showed that the teacher trainees studying in teacher training college have a high level of awareness regarding the term cybercrime. There is no significant difference in cybercrime awareness of boys and girls' prospective teachers in college of education. In today's time, the number of cyber-crimes is increasing day by day, in such a situation, using proper preventive measures can reduce the crimes related to cyber-crime. Also, every person should always take precautions while using the internet. It is also important to make efforts to develop awareness among prospective teachers regarding cybercrime by organizing workshops, seminars and conferences to develop awareness in this regard.

KEYWORDS: Cyber-crime, Prospective teachers

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INTRODUCTION:

In today's time, information communication-based technologies like computers, mobile phones and internet are benefiting the society to a great extent. One out of every three people in the world uses the Internet. This information communication has a great impact on society and business as well as on every aspect like entertainment and education sector and the use of computer and information communication technology in this field is increasing day by day. Also, from school level to higher education and teacher education training, students are benefiting greatly from this communication technology. In the current scenario, information communication-based technology has become the need of the hour and this technology is seen as important and most popular and beneficial for every person to live life. Facebook, Twitter, Computer, Smart-Phone and Tablet etc. All individuals, from children to the elderly, are more or less familiar with tools. In traditional classroom teaching method, teachers provide classroom teaching experience using lecture method and students acquire learning experience based on this traditional teaching experience. In this education system, teacher-student interaction has been considered an indispensable part of imparting knowledge. However, the revolution in information communication and technology has changed the process of knowledge dissemination. With the advancement of technology, the education system has become so powerful that a new era of education has begun with new formats like MOOCs. Moreover, the old traditional studies have been supplemented by new online study teaching methods. Accordingly, many educational institutions have started conducting new courses online, which is admirable for the dissemination of knowledge. A new education system based on digital classification was introduced to create a bright future for the country. Therefore, technology-based teacher training is becoming more prevalent day by day. This change in teaching and learning at the school level cannot be ignored in teacher training.

The role of computer and internet is important in the dissemination of knowledge. Nowadays, a large number of teachers are using computer and cyber resources in their teaching and learning process. Cyber resources are being widely used in education for dissemination of knowledge in the field of education. By using such resources, prospective teachers can better communicate with their students and provide effective learning experiences. Today, traditional classrooms are being transformed into virtual classrooms, which makes learning practical for students. This helps in retaining the subject material for a long time at the cognitive level of the learner. It also gives teachers access to a wide network, so that they can use cyber resources from anywhere in the world to use appropriate examples and adopt innovative ideas and approaches to provide learning experiences.

BACKGROUND OF CYBERCRIME:

Cyber world has spread very rapidly since last decade. Its impact is huge and the cyber sector is establishing its dominance in areas such as entertainment, business, sports and specialized education. But it must also be noted that cyber resources are a boon to the education sector but it is a well-known fact that if they are not used carefully and if they are used negligently, they are also cursed. The scourge of cyber resources is "Cybercrime". It means illegal work based on the internet. Yes, it threatens the safety of the society. Criminals and hackers use the Internet to commit various illegal activities such as hacking, bank fraud, online shopping fraud, software piracy, virus attacks and many others. Such works invade a person's online privacy and make him uncomfortable. These actions are on the rise and have become a problem on a global scale. Storing information is very easy through the use of computers and internet as it facilitates the manipulation of information in an easy way. Most of the information available on the internet is seen by every person using it. Everyone's computer and mobile phone are more and

more always connected to the Internet, providing an enabling environment for an attacker to gain unauthorized access to it. Therefore, a criminal can assess and obtain the desirable information you need from a safe physical distance. From this it can be seen that the crime of obtaining personal information by illegal means using computer and using it to harass the other person is called cyber crime.

REVIEW OF RELATED LITERATURE:

A review of the previous research conducted in relation to this research shows that Suleman and Shriya (2019) have done a research on the topic of public awareness about cyber crime and 1540 individuals were selected as a sample for this research. The study revealed that cyber-crime is directly related to a person's age, with younger people being more likely to be cyber-frauded while older people being less likely to be cyber-frauded. Also no significant difference was observed between the main causes of cyber-crime and gender. Malhotra (2017) conducted a research on awareness of cybercrime among teacher trainees. It was explained that awareness of most of the training regarding cyber crime is general. Also gender and locality of the trainees had a positive effect on their cyber crime awareness. Urban student teachers were found to be more aware regarding cyber crimes than rural student teachers. On the other hand, male student teachers are more aware of cyber crimes than female student teachers. Goyal (2015) conducted a study on awareness of cyber crime among trainees in a college of education. The research highlighted the need for teacher training for cyber crimes. No difference was observed in the cybercrime awareness of student teachers on the basis of gender. Significant differences were observed in cybercrime awareness of student teachers on the basis of sector.

RATIONALE OF THE STUDY:

Internet has become an important part of every person's life in modern digital world. Every person is largely dependent on cyber world for their daily life activities and functions. Due to this, the crime in the cyber sector is increasing in a big way. Cybercrime is emerging as a very serious problem in the current situation. Internet is becoming an integral part of life because it brings happiness and also fulfills various daily tasks through it. But sometimes this pleasant and functional tool becomes a painful tool. Cybercriminals use various tactics to defraud individuals in the society. The cyber world is important for everyone, from the government sector to the professional sector, from school students to college students and students studying in various professional courses, and from teenagers to adults. This is also reflected in the ever-expanding cyber world and the emergence of online fraud, extortion demands, relationship fraud and many other illegal activities. Moreover, most of the money transactions these days are also done with the help of computers. So it is very important to be careful and aware while using the internet. Computer is used by every person but very few people use it properly. Also some people abuse it. To deal with such issues related to the cyber world, the Government of India has set up a special Cyber Cell and through it programs are also organized to create awareness among the society about cyber crimes.

Nowadays teacher trainees along with students have also become accustomed to using the internet, apart from this, teacher trainees use the internet extensively in their study and teaching process by downloading various videos, audios, developing various educational tools, developing various models and constantly searching for cyber matters and This student population is a very soft target for criminals. Therefore, it is necessary to take some measures to create awareness about cyber crime among the teacher trainees. So that they can pass on the facts related to this crime to their future students.

METHODOLOGY AND SAMPLING:

Descriptive survey method under descriptive research method has been used for this research. 100 prospective teachers belonging in college of education in the district of Amravati of West Vidarbha have been selected for this research. Random sampling method has been used for this study.

Tool used:

In this research, a self-constructed cybercrime awareness scale was developed to collect essential facts from the prospective teachers in college of education regarding their cybercrime attitude and awareness. This scale has been standardized and the necessary data have been collected through it.

Objectives of the study:

1. To study the attitude of trainees in teacher education college towards cyber-crime.
2. To study the awareness of trainees in teacher education colleges regarding cyber crime.

Hypothesis:

1. There is no significant difference in the attitude of the trainees towards cyber-crime in teacher education colleges.
2. There is no significant difference in the awareness of teacher education college trainees regarding cyber crime.

Data Analysis and Interpretation

Parametric statistical technique were use for this study to analysis for the data.

Table no. 1.1

Attitude of prospective teacher towards cyber-crime

Level of attitude	Area and Gender					
	Rural		Urban		Total	
	Boys prospective teachers	Girls prospective teachers	Boys prospective teachers	Girls prospective teachers	Boys prospective teachers	Girls prospective teachers
High Attitude	16	14	18	15	34	29
	64%	56%	72%	60%	68%	58%
Average Attitude	07	08	04	07	11	15
	28%	32%	16%	28%	22%	30%
Low Attitude	02	03	03	03	05	06
	8%	12%	12%	12%	10%	12%
Total	25	25	25	25	50	50
	100%	100%	100%	100%	100%	100%

From the above table it is clear that in terms of attitude of prospective teacher towards cyber crime 64.00% of boys prospective teachers and 56.00% girls prospective teachers belonging in rural areas college of education have high level of attitude towards cyber crime while remaining 36% boys prospective teachers and 44% girls prospective teachers belonging in rural areas have moderate and low attitude towards cyber crime..

In urban area college of education 72.00% boys prospective teachers and 60.00% girls prospective teachers in urban

areas have high level of attitude towards cyber crime, while remaining 28% boys and 40% girls prospective teachers in urban area have normal and low level of attitude towards cyber crime.

Overall Attitude of prospective teachers i.e. 68.00% boys and 58.00% girls prospective teachers in the surveyed colleges of education towards cyber crime is high, while the remaining 32% boys and 42% girls prospective teachers have a normal and low level of attitude towards cyber crime.

Table no. 1.2

Awareness of prospective teachers towards cyber-crime

Level of attitude	Area and Gender					
	Rural		Urban		Total	
	Boys prospective teachers	Girls prospective teachers	Boys prospective teachers	Girls prospective teachers	Boys prospective teachers	Girls prospective teachers
High Awareness	14	16	15	18	29	34
	56%	64%	60%	72%	58%	68%
Moderate Awareness	08	07	08	06	16	13
	32%	28%	32%	24%	32%	26%
Low Awareness	03	02	02	01	05	03
	12%	8%	8%	4%	10%	6%
Total	25	25	25	25	50	50
	100%	100%	100%	100%	100%	100%

From the above table it is clear that in terms of cyber crime awareness of teacher trainees, 56.00% rural prospective boys teachers and 64.00% girls prospective teachers in rural areas have high level of cyber crime awareness, while remaining 44% boys prospective teachers and 36% girls prospective teachers in rural areas have average and low awareness of cyber crime.

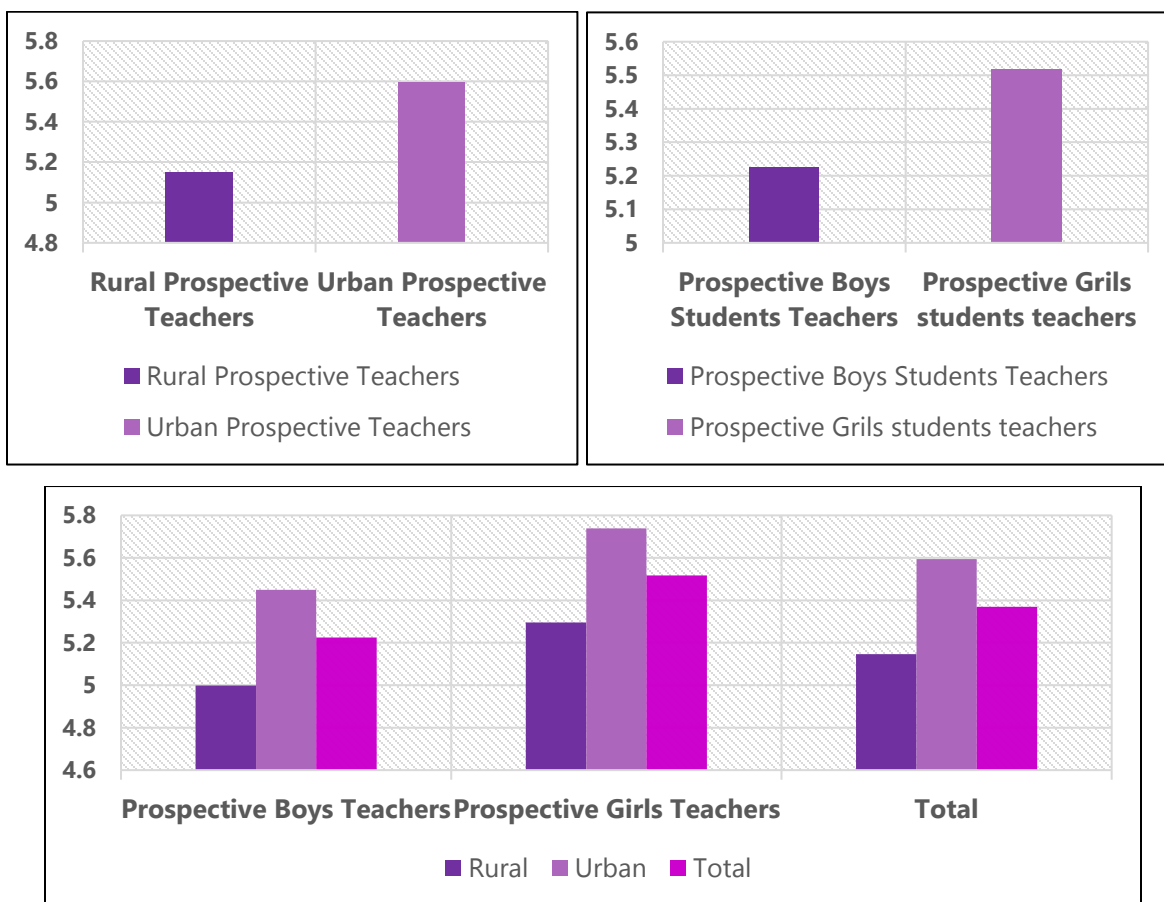
In urban college of education 60.00% boys prospective teachers and 72.00% girls prospective teachers in urban areas have high level of cyber crime awareness, while remaining 40% boys prospective teachers and 28% girls prospective teachers in urban areas have average and low level of awareness regarding cyber crime.

Cyber crime awareness of 58.00% boys prospective teachers and 68.00% girls prospective teachers in the surveyed college of education is high, while remaining 42% boys and 32% girls prospective teachers have average and low level of cyber crime awareness.

Table no. 1.3

Mean significance difference of cyber crime awareness between the area and gender for prospective teachers in college of education

Source	Type III Sum of Squares	df	MS	F-Ratio
Area	110.029	1	110.029	70.400
Gender	47.129	1	47.129	30.155
Area*Gender	42.016	1	42.016	26.933
Error	3432.164	96	1.563	
Total	67052.000	100		



Area:

The calculated F-Ratio of 70.400 was obtained with respect to awareness of cyber crime among prospective teacher education colleges in rural and urban areas. The expected table value for the degree of independence 1/96 at 0.01 and 0.05 significance level is 6.63 and 3.84 respectively. In this the calculated variance ratio value is more than the expected table value at 0.01 and 0.05 level. It means that there is a significant difference in the mean of cyber crime awareness of prospective teacher in college of education in rural and urban areas. This significant difference is shown in the following graph.

Gender :

The calculated F-ratio value of 30.155 was obtained with respect to the awareness of cyber crime among male and female prospective teachers studying in college of education. The expected table value for the degree of independence 1/2196 at 0.01 and 0.05 significance level is 6.63 and 3.84 respectively. It means that there is a meaningful difference between the mean of cyber crime awareness of boys prospective teachers and girls prospective teachers in college of education. This significant difference is shown in the following graph.

Area and Gender:

The calculated variance ratio value of 26.933 was obtained regarding the significant difference between the mean of cyber crime awareness of boys and girls prospective teachers in colleges of education in rural and urban areas. However, the expected table value for 1/96 at 0.01 and 0.05 significance level is 6.63 and 3.84 respectively. It means that there is a significant difference in the mean awareness of cyber crime among boys and girls prospective teachers in rural and urban area.. This significant difference is shown in the following graph.

CONCLUSION:

This shows that there is a good level of cyber crime awareness among the prospective teachers in college of education. Awareness of cyber-crime is influenced by the medium of flow, i.e. trainees in teacher education colleges consider it necessary to be more aware of cyber-crime in line with their future responsibilities. It was found that the level of awareness among the prospective teachers in college of education about cyber crime is almost same. In the current situation, the number of cyber crimes is increasing day by day, these cyber crimes can be reduced through some guidelines and proper preventive measures. We can say here that prevention of cybercrime is better than treatment after becoming a victim of cybercrime. In such a situation, everyone should always be aware of cyber related consequences while using the internet. For that, some guidelines made public by the government should be followed at your level. Organizing seminars, workshops etc. to develop awareness in this regard in teacher education colleges seems to be the need of the hour.

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