

Critical Analysis in Cyber Crime Related to Artificial Intelligence with Indian Prospective

Shailendra Rajput*

*Shailendra Rajput (Research Scholar in PhD- Law) (Amity University Madhya Pradesh)

ARTICLE INFO

Received: 15 Dec 2024

Revised: 18 Feb 2025

Accepted: 26 Feb 2025

ABSTRACT

Technology has become an essential part of human life in the present era. In the present era people are living their lives considering technology as an important part of their life. Human is using technology in every field of his daily life in his worked life. At present, in the current era of digital world any country whether developed or developing wants to lag behind in the use of technology in every aspect of life. At present, people are using technology in every field like education, information, communication, medical field and other fields. Many use of technology can be seen in almost all spheres of life. No country is making high progress due to the use of technology so widely. Use of technology any kind of progress in all the fields, technology is being used by the developing countries to boost their development which is making the country modern. When people's life was in ancient times, people used to live their life by using their natural intelligence for their living. As life progressed, human started making new inventions to modernize his life to live a better life and manmade many inventions with his intelligence. Present Artificial Intelligence (A.I.) which is created through technology. Such new software was created from the computer through which they are computer could take in decisions on its own, which came to be known as A.I. In the present time, A.I. has completely changed human life, in the present time. Artificial Intelligence is being used by humans in many areas of life, which is being used by humans in many tasks, due to which humans save time and men power. Thereby achieving better results by doing many tasks in less time, but by using Artificial Intelligence and computers, criminals are doing cyber crimes.

Keywords: Computer, Artificial Intelligence (A.I.), Cyber crime, Technology, Inventions, Human Life.

Introduction

To understand the present, one has to understand the past when man came to earth; his life was like that of animals. In the initial stage of his life, human used to live in forests, hunt wild animals and live like animals. In ancient times, human used to use his intelligence very little but gradually the life of human changed as man introduced fire. Invented food so that food could be cooked and eaten and started living in mud huts and started domesticating wild animals for daily activities of their lives. To improve his social life, human used his natural intelligence and made many inventions over time so that life can be lived in a better way.

The biggest change in human life has been brought by computers, internet and mobile technology. Even though humans have made many inventions to improve the quality of their lives, these technologies have played an important role in this change. For human's long-term thinking and to solve the problems that will arise in the future, human he is currently engaged in many works. Technology has become an important component of human life and computing is used in various technologies. Man has always been experimenting with new ideas and lack of time while engaged in various activities is the biggest hurdle for people which the internet and computers solve. Due to the fact that many tasks can be completed quickly by computers as well as human efficiency has increased significantly. To meet the challenges in the future, technological advancements are currently being

researched. With its help, people are now making various types of inventions. Sometimes the discovery of new inventions can also lead to unwanted consequences like the global pandemic Corona which can affect the entire world. Faced with such a global pandemic, people across the world resolved to fight it and it can be said that for the first time in the face of a serious challenge on a global scale, technology helped humans to normalize things and fight such a big problem. Work, transportation, offices, educational institutions and everything else had come to a standstill. People all over the world were forced to stay inside their homes. During such times, people entertained themselves at home by watching television and enjoying their favorite content on the internet.

This was made possible by computers and the Internet. In such a situation, the use of technology helped people avoid mental difficulties. Technology helped humanity in a big way in this widespread epidemic. It was very important for people to stay at home during Corona.

Technology has good results, it also has bad results, like through technology, and many human tasks are being done at one time with the use of technology, out of which artificial intelligence is using artificial intelligence like human intelligence. The tasks done by human intelligence have become easier, and now computers themselves are deciding what tasks should be done, this has become possible due to the modern inventions of technology. Along with positive use of technology, negative use of technology also stands as a challenge in front of people, among which cyber crime is prominent. Cyber crime criminals are committing many types of crimes against people by misuse of technology due to which people are suffering financial and mental losses. At present, new cyber crimes are being committed with the help of Artificial Intelligence, such as fraud by creating the exact sound of someone's voice, editing someone's photo and using that photo for wrong purposes, and creating an edited video through a video to misrepresent someone's voice. Cyber crimes are being committed by using it in work etc. and the number of cyber crimes by Artificial Intelligence is increasing day by day.

Research work Methodology

Doctrinal and non doctrinal research method will be use Research work has been done with the help of question method and survey method. To collect data for this research work, survey questions have been done from various people, which include school students, college students, teachers, police officers. Data has been collected from legal field persons, technology experts and common people, and necessary data has been collected from legal experts and police officers investigating cyber crimes.

Cybercrime- Meaning & Definition

Cybercrime is an expression formed up of the words "cyber" and "crime" which indicates a crime conducted using a computer or a computer and the internet.

The term "cyber" refers to a combination of computers and the internet. When combined it creates a means to communicate which makes it possible for the exchange of information on a worldwide basis using computer systems and the internet. The Internet connects the entire world and computers and computer-related electronic devices like mobile phones, laptops, and palmtops serve as its medium.

Crime refers to any unlawful conduct that violates another person's legal rights and causes them physical, mental, financial, or other harm.

Types of Cyber Crime

Most Common Types of Cyber Crime¹:

1. Banking Related Cyber Crime-Nowadays people are using mobile, computer and internet in their daily lives and money is sent to each other through various electronic payment systems. Online

¹ <https://www.lepide.com/blog/the-15-most--common-types-of-cyber-attacks>

shopping has also become prevalent. In such a situation it is becoming easier for the cyber criminals to steal the sensitive information belonging to those who use the internet and use it to commit wrongful acts. Money can be unlawfully withdrawn from the other person's account through phishing links and financial loss can be caused by cyber fraud.

2. Identity Theft-Stealing the virtual identification of the users of various social media accounts linked to people's computer or mobile and using it for criminal acts. Such an act comes under cybercrime.

3. Hacking-Obtaining a person's digital information through wrongful means and using it for illegal activities. This is also another kind of cybercrime.

4. Cyber stalking-Nowadays people use various social networking sites and emails for their personal as well as professional work. When someone unlawfully monitors the online activities of other person this act comes under cyber stalking.

5. Cyber bullying- People are now spending a considerable amount of time on the internet. When an individual is mentally harassed or intimidated by someone over the internet such an act is called cyber bullying.

6. Phishing-Phishing can be defined as online cheating. Phishing is used to steal sensitive information belonging to a person by creating fake hyperlinks or fake website. This is also a form of cybercrime.

7. Cyber Terrorism-When one country harms another country through the use of technology such as computer and internet by disrupting or contaminating the computer network of that country with harmful virus or tries to steal sensitive information it can be termed as cyber terrorism.

Artificial Intelligence

Artificial Intelligence is not exactly new because many concepts are based on over 2000 years of insights accumulated in philosophy, logic, mathematics, theories, cognitive psychology, & linguistics. Artificial Intelligence was first used during World War II. It originated in wartime research in areas such as cryptography and the calculation of ballistic firing tables for artillery, inspired by the seminal work in Alan Turing as well as simple neural networks by Warren McCulloch and Walter Pitts in that year 1956, a small project was conducted by the name of Dartmouth Summer Project, which led the field of AI research which ran from the years 1956-1975. However, contrary to the ambitious aspirations of a Dartmouth project in which only 10 people participated, they could not make any significant progress and the workshop concluded without any major success. But it gave rise to that name is artificial intelligence and by introducing all the major thinkers to each other; it certainly began to propel the field of artificial intelligence forward for decades to come.

The initial Golden Age of research on Artificial Intelligence occurred between the years 1956–1974, which included a series of high-profile achievements as these AI researchers began to develop tools that could surpass human-like abilities in narrow areas such as algebra and games such as checkers. As were able to perform. The primary objective of creating such machines was to develop machines that could do all the work that a normal person could do and to find a solution to the problem of achieving proper artificial intelligence within "25 years" or within the current generation. The winter of AI was marked by stagnation not only financially but also ideologically. The first century came around 1970 and the second century came in the late 1980s and early 1990s when the World Wide Web was flourishing.

The period from the 2000 to early 2010 witnessed a shift from simple automation to robust automation system. However, we still do not have the machines that could arise because of proper artificial intelligence system in place. However, we are increasingly dealing with system that gain knowledge or enhance their skills from their interactions with the living beings.

Advantage/Uses Artificial Intelligence

Similar to human intelligence, artificial intelligence has been developed in the form of artificial intelligence, currently artificial intelligence is being used in many areas, such as automatically capturing pictures of vehicles for breaking traffic rules and imposing online fines and scientific research. In important inventions and by providing artificial intelligence to think and understand computers and machines, important events are being done with the use of Artificial Intelligence, in many countries Artificial Intelligence is being used in police work, and Artificial Intelligence is being used in medical work and Operations are being done using machines, Artificial Intelligence is being used in the field of law, many works are being done in the education sector through Artificial Intelligence, education is being given to students through Artificial Intelligence and their problems are being solved.

Artificial Intelligence Related Cyber Crime

1. Deepfake- A combination of deep learning and fake media, it uses artificial intelligence to manipulate audio and video to appear authentic. Cybercriminals use this technique to exploit celebrities for non-consensual criminal activity and to spread political misinformation. Misuse of deep fakes has become a major concern for the unity and integrity of a country. Deep fakes are used to commit cyber fraud by using duplicate voices, photos and videos of politicians and celebrities.

2. Password Cracking- Cybercriminals are using machine learning and AI to improve algorithms to guess users' passwords. Some of the existing password cracking algorithms enables cybercriminals to analyze large password data sets and generate different password variations. Under the Information Technology Act 2000, this type of crime is called identity theft and providing unauthorized access to the device. In such cases, depending on the elements and circumstances, cases are registered under the provisions is IT Act 2000 and the Indian Penal Code is done.

3. Hacking- Cyber criminals are also using Artificial Intelligence to automate various hacking activities. Artificial intelligence enables scanning algorithms, detecting weaknesses in intelligence systems and spreading adaptive malware, etc. Providing unauthorized access to this type of computer device is called a crime under the Information Technology Act 2000.

4. Supply Chain Attack- Supply chain attack is type in cyber attack that is targets organizations by focusing on weak links in an organization's supply chain, Artificial intelligence that can also be used to compromise an organization's software or hardware supply chain. Such cases, such as inserting malicious code or components into legitimate products in services, are prosecuted under the Information Technology Act and the Indian Penal Code Act, depending on the circumstances.

5. Fraudulent Transactions- Cyber criminals target businesses using sophisticated artificial intelligence algorithms to automate fraudulent transactions, fraud powered by artificial intelligence legitimate transactions to bypass traditional fraud detection systems and take advantage of weaknesses in payment processes. Through artificial intelligence, a clone of any authorized transaction institution is created and money is transacted in a fraudulent manner, which is a crime.

6. Payment Gateway Fraud- Cyber criminals can use artificial intelligence techniques to commit payment gateway fraud, analyze patterns to evade detection systems or generate realistic synthetic identities by using artificial intelligence generated content to conduct phishing attacks, such as Crimes are committed by cyber criminals.

7. Distributed Denial of Service Attack- In a distributed denial of service attack, cyber criminals flood servers with Internet traffic to prevent artificial intelligence from accessing online services and services connected to users. Cases are filed depending on the substance and circumstances of such cases, as massive amounts of artificial intelligence-driven malicious traffic can combine to overwhelm servers and disrupt business operations.

8. Ransomware Attack- Ransomware is a type of malware designed to deprive a user or organization of access to files on their computer, the cybercriminal encrypts business-critical data, and then extorts money in exchange for a decryption code. Artificial intelligence algorithms can automate and enhance ransomware distribution by selectively targeting valuable situations, which can increase illicit payments to cyber criminals. This is called artificial intelligence-related cybercrime.

9. E-Mail Phishing Attack- Business email compromise is a type of phishing attack that targets organizations in order to steal money or important information, trick employees into taking unauthorized actions, or high-level executives or business partners with the goal of disclosing sensitive information. By impersonating an artificial intelligence algorithm, a credible phishing email is generated by analyzing the communication pattern, which is a cyber crime committed by artificial intelligence.

10. Theft Of Intellectual Property- Intellectual property Artificial intelligence is a category of property that includes intangible creations of human intelligence. Artificial intelligence can help cyber criminals streamline in this process of targeting businesses to steal valuable intellectual property. Artificial intelligence algorithms are used in high volume can analyze data, and identify are high value business or secrets or sensitive information, which can facilitate their theft for competitive advantage or growth advantage, such actions are crimes committed by Artificial Intelligence are called cyber crimes.

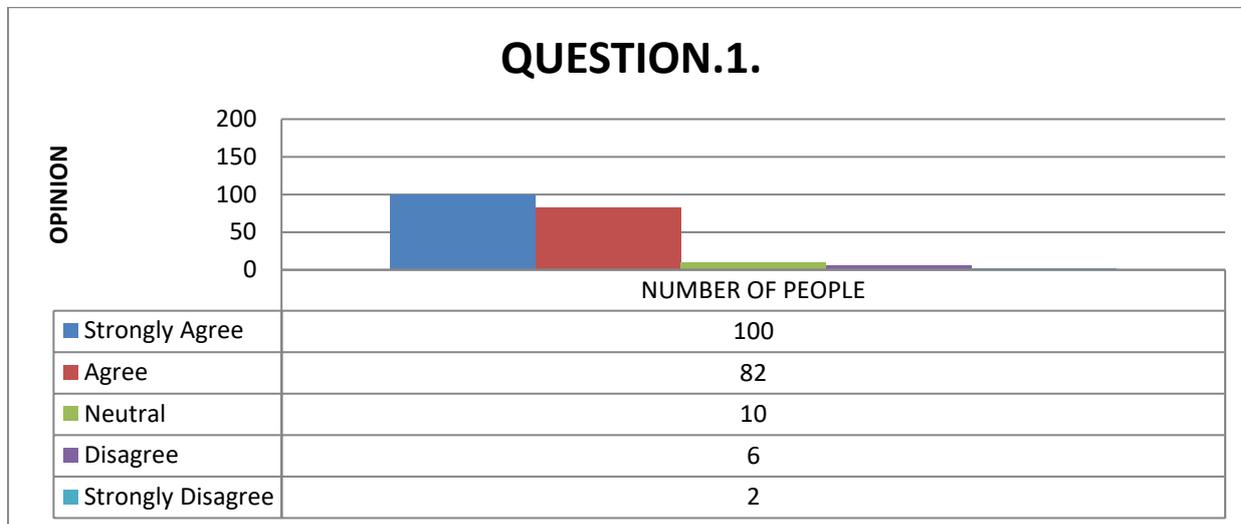
11. Child Pornography- Abuse of Artificial Intelligence: Child pornography is done by editing someone's photo and making a video. It has been found that pedophiles are using artificial intelligence image generators like Midjourney and Stable Diffusion to create and share child pornography online. Using artificial intelligence to bypass online sexual exploitation content filters, access to artificial intelligence tools by criminals has led to a steady increase in the use of artificial intelligence generated child porn material, making it easier for police to identify victims. Already an extremely challenging task, cyber crimes are being carried out by such unethical activities through Artificial Intelligence.

12. Voice Cloning- Artificial Intelligence is misused for voice cloning, through this; a person's voice is prepared through Artificial Intelligence and used to commit various types of crimes. By cloning the voice through Artificial Intelligence, cyber crimes are committed through mobile phones.

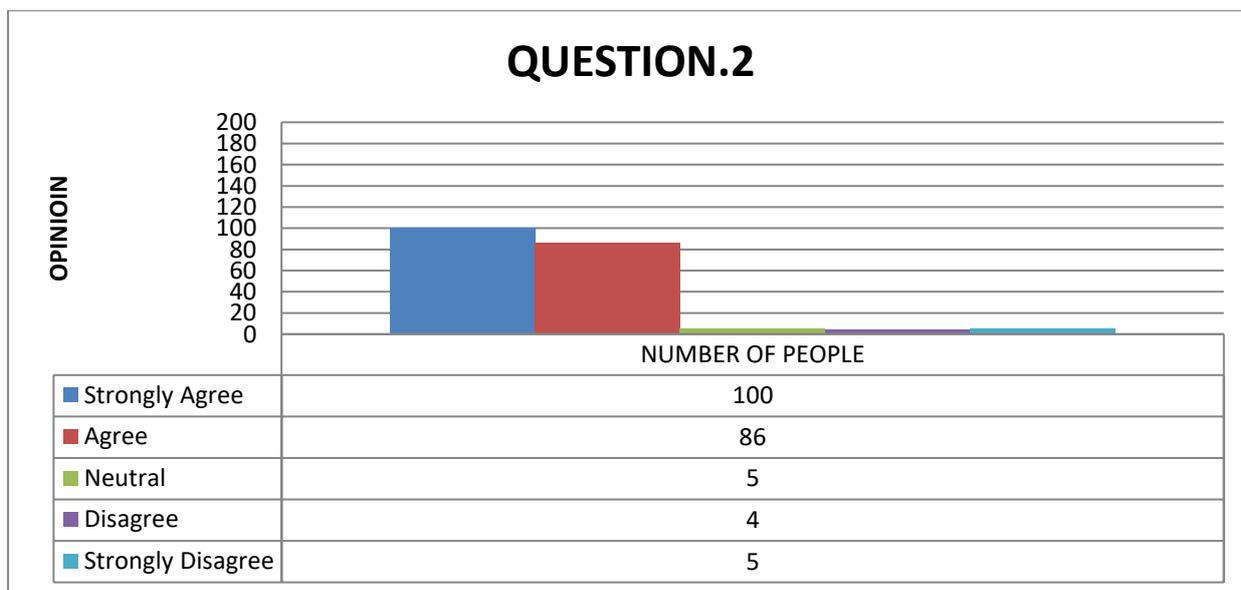
13. Pornography- By misuse of artificial intelligence, pornography is done by editing someone's photo and making a video. Using artificial intelligence, online sexual exploitation material is being created, and money is demanded by cyber criminals by scaring people, many people are defamed. Due to this, money is given to the cyber criminal, due to which the victim cannot be identified and the morale of the criminals committing cyber crimes increases due to which the criminals commit cyber crimes in more ways. Due to the access of artificial intelligence tools to the criminals. There has been a steady increase in the use of Artificial Intelligence generated illegal material, identifying the victims is already an extremely challenging task for the police, Cyber crimes are being carried out through such immoral activities through Artificial Intelligence.

Data Survey Questions

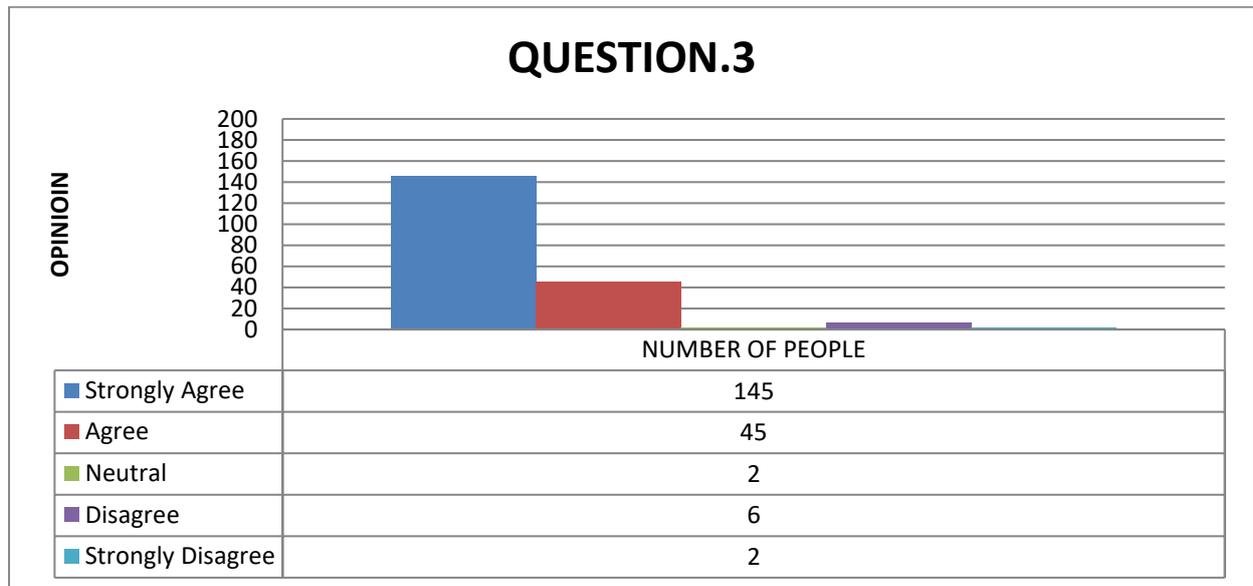
Question.1-Do you agree that technology has increasingly become an essential element in our society presently?



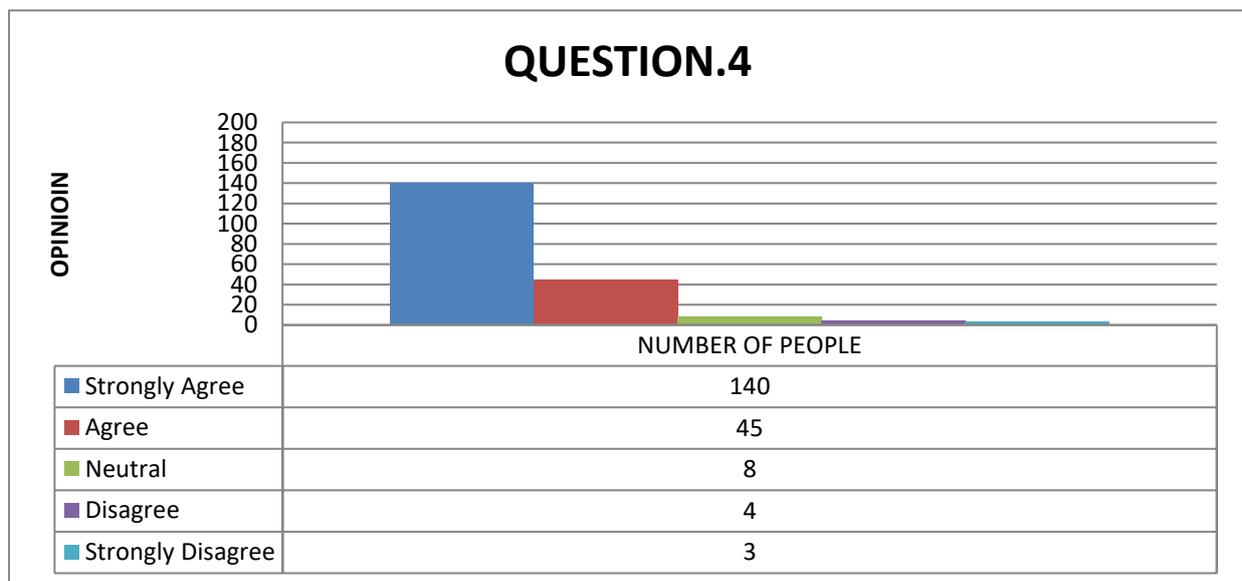
Question.2- Do you agree that Artificial Intelligence can perform better than human intelligence?



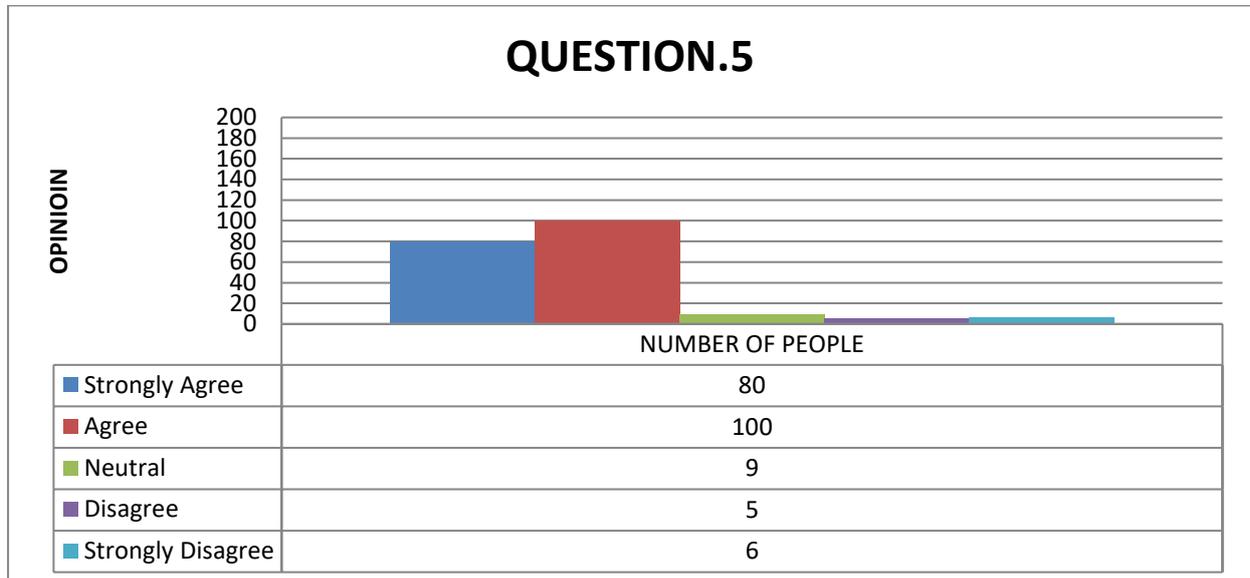
Question.3- Do you agree that artificial intelligence has increased cyber crimes?



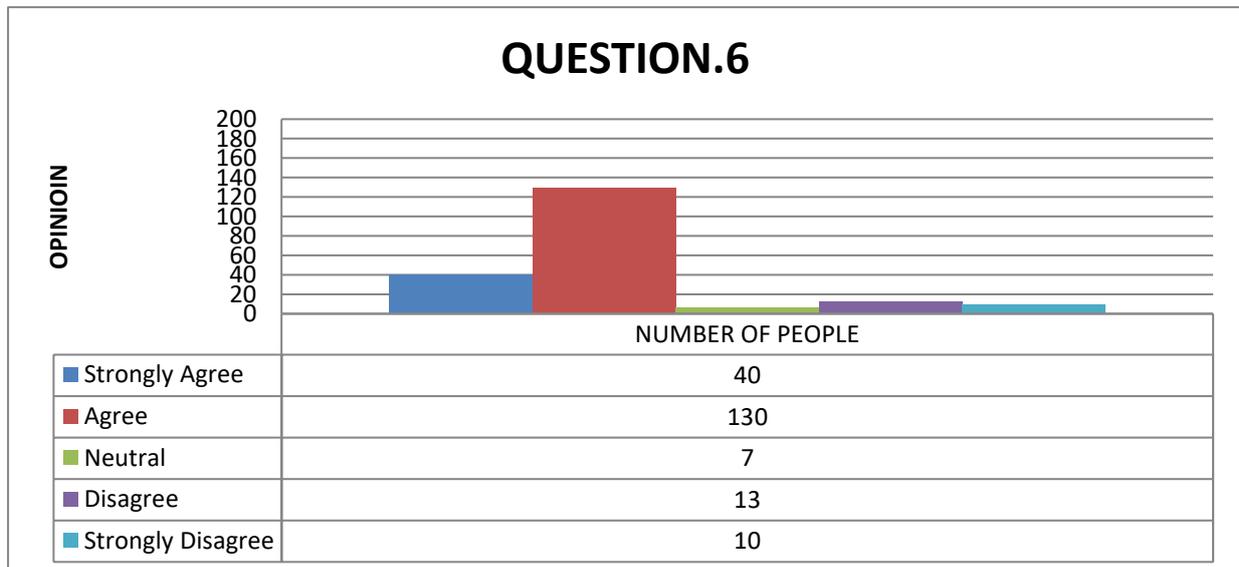
Question.4- Do you agree that at present cyber crimes are increasing at a rapid pace with new inventions in technology?



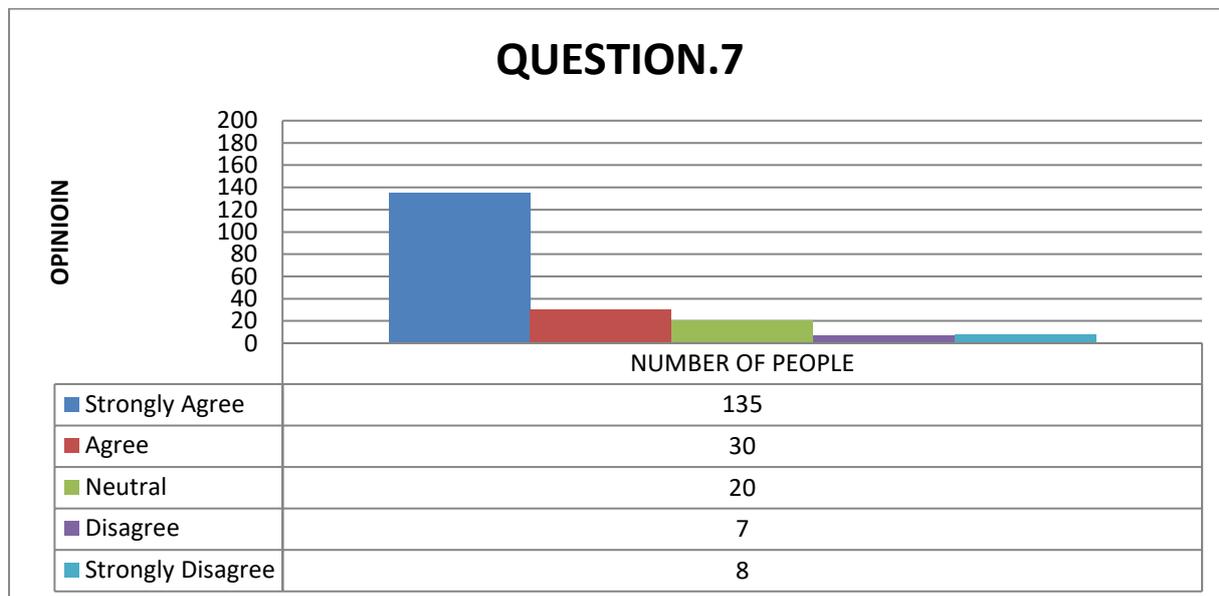
Question.5- Do you agree that people's increasing dependence on technology is increasing cyber crimes?



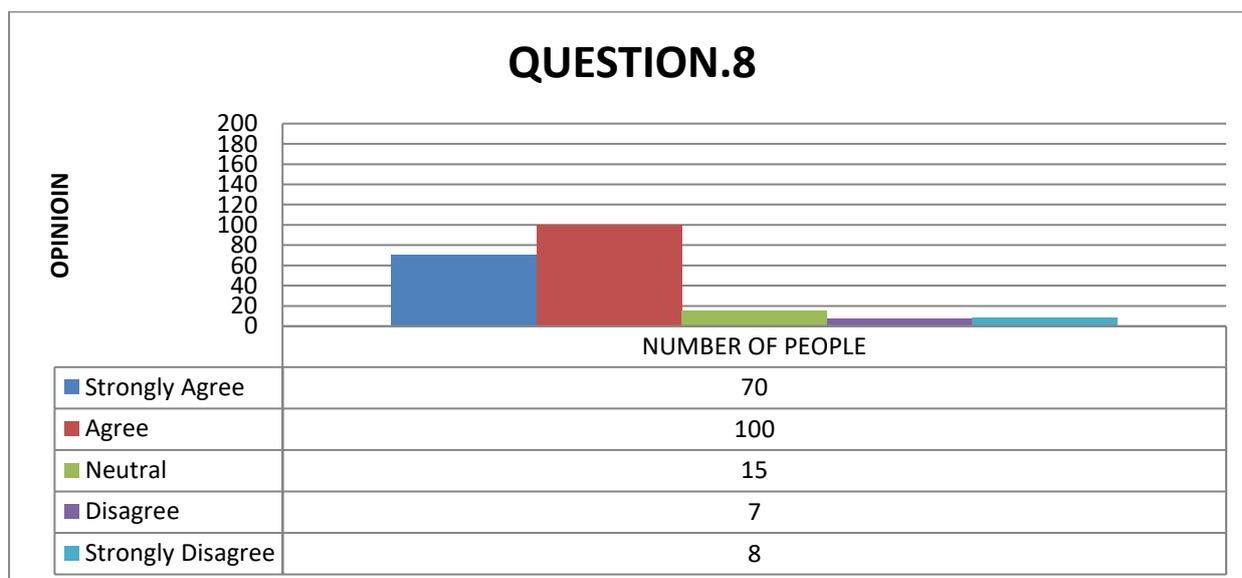
Question.6- Do you agree that many tasks have become easier with the help of Artificial Intelligence?



Question.7-Do you agree that the future cannot be imagined without technology?



Question.8- Do you agree that artificial intelligence will replace human intelligence in the coming future?



Survey Data Analysis Result (Questionno.1 to 8)

After analyzing the data survey, people have accepted that currently technology has become an essential part of human life, no matter which country people are residents of or in which field they are working. Currently, the use of technology has become an integral part of human life. Due to which many tasks in human life have become easier, a person is able to do many tasks at one time through technology, and through Artificial Intelligence, man has developed artificial intelligence. , through which many works are being done in the field of education, in the field of medicine, in the field of business, in the field of research, which has become possible due to the mixed nature of Artificial Intelligence and technology, the use of technology. As much as it is positive, it also has negative side effects, cyber crimes are currently being committed by criminals using technology, technology is used by people, but people have little understanding of technology. Due to which people fall into the clutches of people who commit cyber crimes and become victims of cyber crimes. In such a situation,

it is necessary that people should have the necessary knowledge of technology. For this, people should be made aware and should know the positive and negative aspects of technology. Needed Ever since Artificial Intelligence has come in front of people, it is being used by cyber criminals in making fake videos, like by cloning someone's voice and making a video using someone's photo through Artificial Intelligence; it is being used in criminal activities. , and many such acts are being done by criminals committing cyber crimes, at present necessary steps should be taken to stop cyber crimes through Artificial Intelligence so that such crimes can be avoided in the near future.

Causes of Growth in Cybercrime

When life originated on earth there were no human beings. Human beings came into being many years after life originated on earth. And in the initial period human beings were completely dependent on nature. They survived by hunting wild animals and lived in forests.

Humans gradually started making tools from stones to improve their lives so that they could hunt better. Later humans learnt to make fire and now they could cook their food and eat it and protect themselves from wild animals. In the early period of human existence they used to live in caves. In this way gradually with the passage of time humans made several inventions to make their life better. Using their intelligence humans started making weapons and ornaments from stones and began living in huts. With the passage of time humans started living in the plains away from the forests. Beginning from the primitive life humans made their life better by inventing various machines to do difficult tasks in less time. Trains, airplanes, water ships etc. were invented as means of transport. Then the telephone was invented to communicate with each other which enabled humans to communicate with each other from anywhere in the world. Recently in the last century one of the most remarkable inventions was made. This invention was called Computer. Computers enabled us to do various tasks simultaneously in less time.

The invention of computer completely transformed human life. Now computer devices are being used in one way or the other in almost every device, gadget or machine that we use. The use of computers was further amplified with the invention of Internet. The use of Internet initially started from America for Army communications and then gradually the widespread use of the Internet spread throughout the world. Internet soon began to be used by the people in their daily life as well as in most of the fields. Currently the combined use of mobile devices, computers and the internet has become an essential part of people's life all over the world whether it is a developed country or a developing country. At present technology has become an essential part of human life, People's dependence on technology has increased over time but there is a lack of complete and comprehensive knowledge about technology. People are using mobile, computer, internet in almost all areas of their lives but people's understanding of the negative side is yet to develop. Due to this some people use technology for accomplishing bad motives and target people who are not so tech savvy. Such people obtain money illegally by defaming others and demanding money by blackmailing them. Such people do not even hesitate to put the security of the country at risk. Such illegal acts which are perpetrated using computer and internet are called cybercrimes. At present cybercrime has become a serious problem for the whole world. Whether a country is a developed country or a developing country dealing with this problem has become a global challenge. To overcome this challenge countries around the world have made laws and improved the investigation system but have not been successful in controlling cybercrime. There are still many loopholes taking advantage of which the cyber criminals keep committing cybercrimes. Every day we keep on hearing new ways in which these criminals target people and commit cybercrimes.

Causes and Growth of Cyber Crime

Cybercrime is a serious issue that affects not only India but the entire world. As a result deliberations are periodically held at various international platforms about ways in which cybercrimes can be curbed in developing nations like India. If we look at the recent past India has achieved considerable

development in a short period of time. But it is not quite at the point where developed nations are and a lot of improvement has to be made in the field of education, health, infrastructure etc. The increasing global dependence on technology and modern devices has affected everyone wherever they may be. Speaking of India it has achieved great success in various fields including education, economy, infrastructure, health, etc. in recent decades. As a result of this growth and development people have become dependent on technology in more ways than anyone could think of. Regardless of where they reside or their socio-economic status the usage of technology such as computers, mobile devices and internet has transformed their lives and brought the entire world closer than ever before thanks to the Internet.

The increasing dependence on technology has led to an increase in cybercrimes. This highlights how important it is to have the necessary knowledge about technology. Given the fact that India has the second-largest population in the world there are many Indian villages and towns where education levels are low and people struggle to stay up with the times. People of all ages and classes are using technology in their lives. In the current scenario it can be said that modern devices like smart phones, laptops and other internet enabled devices have become an integral part of people's lives. Through these devices people can communicate with one another via social networks, talk on the phone, video call, send emails, send videos, conduct banking-related business, book railway and airplane tickets, pursue their education online, and perform several other tasks.

Cyber Law in India

India is a signatory country to the International Trade Law Commission² organized by the United Nations in 1996. Therefore it became necessary for us to enact laws related to the subject. To fulfill this need Information Technology Bill 1999 was introduced in the Parliament. The Bill received the assent of the President on 9 June 2000. Infact this Bill was based on the model code on electronic commerce law prepared by the United Nations in 1996 which was adopted by the General Assembly of the United Nations on 30 January 1997. The resolution was passed in which the member states were asked to prepare laws according to this model law. This is also a reason for enacting the present Act. The Information Technology Act of 2000 gives legal status to transactions involving the electronic transmission of data and other forms of electronic communication as well as transactions involving electronic commerce. It also encompasses provisions which recognize electronic filing of documents with government entities as an alternative to paper-based communication and information storage. The I.P.C 1860³, The Evidence law 1872, the Bankers Book Evidence Act 1891⁴, and the R.B.I Act 1934 were also amended by the Act. The following are the objectives of the Act:

1. To provide legal recognition to electronic change of data or other electronic means of communication or e-commerce besides the existing paper-based medium of communication and exchange of information.
2. Legalize the use of digital signatures for the validation of any transaction that requires verification.
3. Providing legal recognition to electronic document filing with government offices and departments.
4. Providing validity and recognition to data and information stored in electronic medium.
5. Making electronic payment transfers between banks and financial organizations easier.
6. Give bankers legal permission to keep electronic records of accounts under the Evidence Act of 1872⁵ and the Reserve Bank of India Act of 1934⁶.

² <https://uncitral.un.org/>

³ Indian penal code, 1860

⁴ <https://www.indiacode.nic.in/bitstream/123456789/2322/1/A1891-18.pdf>

⁵ Evidence act 1872.

⁶ https://rbidocs.rbi.org.in/rdocs/Publications/PDFs/RBIAM_230609.pdf

Conclusion and Suggestions

We can confidently state that people's reliance on technology is steadily growing based on the answers to the survey's questions. Because there are more individuals using technology like the internet and mobile devices, there are more possible targets for cybercriminals, which creates a lucrative opportunity for them. The difficulties presented by insufficient police investigation in cybercrime cases and the manner in which our legal system now handles cybercrimes exacerbate the matter. The nation's cyber laws have not undergone any significant changes in response to the times. To all of this, the general public's ignorance of the issue is added. Additionally, there is a dearth of research and instruction in fields connected to cybercrime. To increase public understanding, the government runs recurring awareness programs about cybercrime. This is being done since numerous studies have indicated that one of the main reasons for the surge in cybercrime is a lack of awareness about these crimes.

People now live modern lives due to the changing times. Owing to time constraints and an overwhelming workload, people have created a wide range of technologies and gadgets to improve their quality of life. Human life has drastically changed with the development of gadgets and technologies like computers, cell phones, and the internet. But as technology has become more widely used in daily life, new problems have also arisen, such as cybercrimes.

The main reason for this is because people don't have the essential information and comprehension of technology. They are blind to the bad things in life, which leads to a lot of problems in human affairs. People use computers, smart phones, and the internet in their personal and professional lives these days. In spite of this, our educational system has not incorporated courses on contemporary technology and exhibits a notable deficiency in knowledge regarding the prevention of cybercrimes. It is believed that if classes on cybercrime and contemporary technologies are added to academic programs and schools, students will learn important information on these topics, increasing their understanding of how to stop crimes of this nature and encouraging them to use technology responsibly. In this manner, people can defend themselves against online fraudsters and prevent themselves from becoming their victims. Cybercrimes at the societal level can be reduced by educating people on appropriate and moderate technology use.

There are two sides to everything in this world: positive and bad. Before implementing something in our lives, it is crucial that we weigh its advantages and disadvantages in order to reduce any unfavorable impacts. In the past, people relied only on their brains to complete challenging mental tasks like scientific, astronomical, and astrological computations. They used to take care of their physical and mental health by carrying out their regular daily chores using their physical power. But throughout time, the physical and mental labor that we humans used to perform on a daily basis was gradually supplanted by electronic equipment like computers, washing machines, dishwashing machines, and cell phones. As a result, human physical and mental capacity is deteriorating while technological efficiency and capacity are increasing. Because of this, most mental labor-intensive jobs in modern society are completed by users of computers, smart phones, and the internet. In such an environment, cybercrime—one of the negative effects of technology—stands in our way today. Things have gotten worse due to factors like the blind race of technology and a lack of understanding and education. To prevent becoming involved in crimes like cybercrime, which can bring them mental and financial anguish, people must educate themselves on this subject, be attentive, alert, and utilize technology with caution. Because humans are blessed with amazing brains, we should use them to discern between good and wrong in order to deter crime. But we must remember that technology is our ally, and we should make the most of it as a group while averting its negative consequences.

References:

Books and Journal

- [1] *The data for 2022 has been obtained from the report "Crime in India, 2022 of the National Crime Record Bureau (NCRB).
- [2] *Age of Cyber Crime, Handbook of Cyber Law, Macmillan India Ltd, 2000, Pg 126.
- [3] *Computer Crime and Abuses Report (India) 2002-02, Asian School of Cyber Laws, March 1, 2003.
- [4] *Gyanvati Dhakad, (2017) Cyber Law & Cyber Crimes 11.India Publication Company.
- [5] *Deepak Ratan (2021) online cybercrime law agency luck..
- [6] *Santosh Kumar (2021) cyber law & crimes Whiteman publication .
- [7] Akashkamal Mishra (2018) "cyberlaw In India".
- [8] *Rohus N.(2008) "fundamentals of cyber law".
- [9] *Nappanee N. S.(2010) "Cyber Crime Law in India has law kept pace with Emerging Trends? An Empirical Study".
- [10]*Information Technology Act 2000.
- [11] *Indian parliament committee report 2022.
- [12]*NCRB (2022) cyber crime reports.
- [13]*Cyber crime and law journal report.
- [14]*Rodney D.Ryder & Nikhil Naren (2023) "Artificial Intelligence and Law".
- [15]*Piyush Kumar Trivedi & Zaidi (2023) "Cyber law".