

Cyber Security Threats & Solution

Department of Computer Science and Engineering Pundra University of Science & Technology

INTRODUCTION



Cyber Security is a process that's designed to protect networks and devices from external threats. Businesses typically employ Cyber Security professionals to protect their confidential information, maintain employee productivity, and enhance customer confidence in products and services.

WHAT IS CYBER SECURITY?

Cybersecurity is the protection of internet-connected systems, including hardware, software and data, from cyberattacks.

"In a computing context, security comprises cybersecurity and physical security – both are used by enterprises to protect against unauthorized access to data centers and other computerized systems.

*Information security, which is designed to maintain the confidentiality, integrity and availability of data, is a subset of cybersecurity.

TYPES OF CYBER CRIME

- Hacking
- Phishing
- Denial of Service
- Spam Email
- Spyware, Adware
- Malware (Trojan, Virus, Worms etc.)
- ATM Skimming and Point of Sale Crimes
- Ransomware

SOME NOTABLE ATTACKS

In 2016, the Bangladesh Bank was breached, resulting in the loss of \$81 million. This highly sophisticated attack is seen by many as the largest bank robbery in history, later found to be the works of nation state hackers.



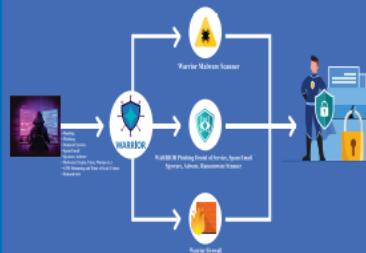
Biman Bangladesh Airline's email server was hacked in a ransomware attack on 17 March. Following the attack, its server went down disrupting all internal communication. It has been five days since the incident and the airline is yet to recover its server.

OUR DEVELOPED SOFTWARE: WARRIOR



Our security software is software that aims to stop sophisticated cyberattacks. Our security software often contains multiple layers of security tools, including machine learning and cybersecurity AI solutions to continuously build greater protection as new cyber threats arise. Our Software basically highly respond to threats like hacking, phishing, Denial of service, spam email, Spyware and Edware, Malware and Ransomware. However, in the event a cyberattack is successful, Our cyber security software also provides resilience to protect email, backup critical data and ensure business continuity.

HOW WARRIOR WORKS



CONCLUSION

Cybersecurity is critical because it helps to protect organizations and individuals from cyber attacks. Cybersecurity can help to prevent data breaches, identity theft, and other types of cybercrime. Organizations must have strong cybersecurity measures to protect their data and customers.

PRESENTED-BY



Arafat



Rasel



Himel



Shishir