



REPORT

Quiz Competition on Cyber Security

Introduction: To celebrate Azadi Ka Amrit Mahotsav & G-20 summit we performed the activity that is quiz competition on the topic Cyber Security. Cyber security is a technique to protect computer system on the internet from cyber incidents. It is the practice of defending computers, servers, mobile devices, electronic system, networks and data from malicious attacks. Everyone should be aware of the cyber incidents. For the awareness among the students of our college we conducted a quiz competition.

Content:

- (i) General Knowledge about Cyber Security
 - (ii) Types of Security
 - (iii) Cyber Attacks
 - (iv) Briefs of Cyber Security.
1. **General Awareness about the Cyber Security:** Our students got knowledge about the cyber, what are threat to its securities and who is the father of cyber security (**Prof. August Kerckhoffs**)
 2. **Types of Cyber Securities:**
 - (i) System Security
 - (ii) Network Security
 - (iii) Application Security
 - (iv) Cloud Security
 - (v) Endpoint Security
 - (vi) Mobile Security
 - (vii) IOT (Internet of Things) Security
 3. **Cyber Attacks:** Cyber-attacks destroy the devices and disturb the functioning of devices. The cyber-attacks are of many types, but we focused mainly on the Virus, Adware, Trojan horse, Ransomware, Phishing, Spoofing.
 - (i) **Viruses:** It is a malicious program where it replicates itself and aim to only destroy a computer. The ultimate goal is the computer will never be able to operate properly. First computer virus name is **"Brian"**.
 - (ii) **Adware:** Adware (or advertising software) is the term used for various pop-up advertisements that show up on your computer or mobile device. Adware has the potential to become malicious and harm your device by slowing it down, hijacking your browser and installing viruses and/or spyware.
 - (iii) **Trojan :** It has the ability to hide itself from antivirus detection & and steal important data.
 - (iv) **Ransomware:** Ransomware is a type of malware that restricts access to your computer. It displays an image that prevents you from accessing your computer or encrypts files on your system's.
 - (v) **Phishing:** A fake website or email which is designed to look almost like the actual website is a form of phishing attack. purpose is stealing the identity of the victim.
 - (vi) **Spoofing:** An email address may even include your own name, or the name of someone you know.
 4. **Benefits of Cyber Security:** Cyber security refers to every aspect of protecting an organization and its employees and assets against cyber threats. As cyber-attacks become more common and sophisticated and computers, networks, governments, employ, security of

cyber security solutions are required to mitigate corporate cyber risk. It has multiple benefits as under:

- (i) Protection of Sensitive data
- (ii) Data Safety from hackers
- (iii) Reduces computer crash
- (iv) Decreased data theft hazards
- (v) System availability and improved data
- (vi) Protect business reputation
- (vii) Assist remote working
- (viii) Cyber Posture is improved
- (ix) Saves the bottom line
- (x) Handles data management
- (xi) Improved customer's and stakeholder's trust
- (xii) Detection and deletion of unwanted and harmful programme
- (xiii) Deny unwanted access from the possible threat
- (xiv) Recovery of the system

Summary: Under Azadi Ka Amrit Mahotsav we made the students of our college about the key notes on the topic Cyber security. For this we conducted a quiz competition among the students. We divided the students into three teams A, B and C. Students performed very actively in the competition.

Conclusion: Cyber security awareness is very necessary to all individual to keep computer system secure from hacking. In this quiz competition team C scored 34 Points and team B scored 25 points. Students participated very actively in the quiz. All the students and staff enjoyed this activity. On this occasion all the B.Ed. students of 4th semester, all staff, College Principal Dr. Raj Kumar Dhiman congratulated the winner team and all the students & staff for the successful execution of this activity.

