**Week 7**

**Introduction**

Hi! I'm Akriti Kumari Dev, a L4CG5 student at Herald College Kathmandu in Naxal, Bhagwati Marg. I'm going to tell you all about my first guest lecture, which was on the topic of cyber security. The first guest speaker was fantastic. I enjoyed every minute of our first guest lecture and his marvelous sense of humor. I was very curious to learn more about cyber security. This presentation covered the cyber security breaches that have occurred to date, how to avoid them, and the precautions to take.

**Body**

He began by explaining cyber security to us. Cybersecurity is the use of technology, procedures, and other tools to defend systems, networks, programs, devices, and data against online threats. By protecting against illegal use of systems, networks, and technologies, it aids in reducing cyberattacks. He then proceeded to inform us about the recent cyber security flaws. There have been several significant security lapses, Yahoo being one of them. Currently holding the record for having the most people affected, the Yahoo data breach is one of the biggest and most notorious examples of a documented cyberattack. Microsoft Exchange email servers, one of the biggest email servers in the world, were the target of one of the biggest cyberattacks in US history that damaged over 30,000 US businesses. Data leaks and scandal are nothing new for Facebook, one of the biggest companies in the world. Since the firm went public in 2012, the social media giant has had to cope with security breaches of user data on a daily basis. After completing a data escape on the LinkedIn website, which had roughly 750 million users in 2021, hackers were able to post the usernames of about 700 million people. In June 2017, a Republican data analysis company called Deep Root Analytics reported that the personal information of almost 200 million registered voters had been compromised.

He explained to us how to protect ourselves from online threats. Among all the prevention some of them are: By establishing multi-factor authentication on our accounts, we may considerably reduce the likelihood that they will be hacked; we should update our software, enabling automatic updates. Before clicking anything, we should pause and think first. The first step in more than 90% of successful cyberattacks is a phishing email, therefore it's crucial to use strong passwords and, ideally, a password manager to create and store unique passwords. He said that the most common reason for cybersecurity vulnerabilities is human error. The "IBM Cyber Security Intelligence Index Report" states that in 2021, humans were determined to be 95% at fault for these breaches.

**Conclusion**

Overall, we learned that one of the most critical components of the quickly developing digital world is cyber security. It is essential to learn how to do it too because the hazards it poses are difficult to dismiss. To protect ourselves from cyberattacks, we should make every effort to maintain strong passwords and use double factor authentication. It was beneficial to listen to our guest lecturer since it gives students a vital educational experience based on their real-world life experiences. I'm excited to listen to more guest lecturers on further subjects.