Webinar summary Report
Cyber Security and Ethical hacking

Introduction

The Institute of Computer science is focusing on students to make them aware of the latest technologies available in the market and jobs so that students can prepare themselves to get desired jobs. The objective is to use Alumni experience to mentor the student and guide them. A webinar on Cyber Security & Ethical hacking was conducted on 23rd April 2022.

Webinar Structure

Cyber Security and Ethical Hacking Webinars were organized and hosted by the Institute of Computer Science of Vikram University Ujjain. Invitations to the webinar were sent by the Alumni cell of the Institute of computer science to all staff, students, and alumni. Hon. Vice-chancellor was present for the oversight and guidance.

Webinar Team

Patron

Prof. Akhilesh K. Pandey, Hon. vice Chancellor, Vikram University Ujjain

Director

Dr. Umesh Kumar Singh, Institute of computer science

Keynote speaker

Mr. Subodh Shrivastava, Cornerstone OnDemand Sydney, Australia

Invited Speakers

Mr. Sandeep Shrivastava, cluster Delivery head, Wipro

Mr. Abhishek Tripathi, IT consultant, SPARK, New Zealand

Co-Ordinator

Dr Kshamasheel Mishra, Alumni Cell, ICS

Mrs. Geetika Singh, Alumni Cell, ICS

Cyber Security & Ethical Hacking

Dr. Umesh Kumar Singh opened the webinar by providing an overview of Cyber Security and Ethical hacking, Keynote speaker Mr. Subodh Shrivastava provided the significance of cyber security. As the use of technologies is increasing, people and organizations are collecting and storing a lot of information in digital format. This information is stored on the computer, servers, or clouds. This information could be related to personal identity, an organization's business plan or trade secret, etc. Attackers always try to gain access to this information to take advantage, which may lead to serious consequences on reputation, financial loss, etc. Attackers use many computer programs which are called Malware to attack the computer. There are many types of malware such as ransomware, worm, rootkit, trojan horse, etc. Everyone should be aware of the security breaches and make some arrangements to secure the data. Every individual and organization has the responsibility to secure the data. Many governments have made very strong policies, such as GDPR, to ensure that all organizations make security arrangements. Ethical hacking is a process to find the weaknesses in a computer system or network. Ethical hackers are also called white-hat hackers who attack the computer within the legal boundary to assess network or computer security. The cyber kill chain is one of the techniques to attack the computer which defines the multiple phases of the attack process. There are many frameworks such as OWASP which provide information on the most common and serious weaknesses. An ethical hacker or Penetration Tester uses the various tools and also develops the scripts or tools to attach the computer or assess the weaknesses. Invited Speakers Mr. Sandeep Shrivastava and Mr. Abhishek Tripathi provided real-life examples of security breaches and also encouraged students and everyone to focus on and be aware of Cyber Security.

Key Takeaways
Cyber Security is everyone's reasonability. Everyone should be careful about their personal information shared on public platforms. Students can make a career in cyber security as Pentester or Ethical hacker, Network security engineer, data privacy adviser, Infrastructure Security Consultant, etc.