ETERNAL UNIVERSITY

Institution's Innovation Council

Activity Report

Industry Expert Talk on "Introduction to Ethical Hacking"

1.	Academic year	:	**2023-24**
2.	Program driven by	:	**Self-Driven Activity**
3.	Quarter	:	**Quarter III**
4.	Program/Activity Name	:	**Industry Expert Talk on "Introduction to Ethical Hacking"**
5.	Program type	:	**Level-1: Expert Talk**
6.	Program Theme	:	**Innovation & Design Thinking**
7.	Duration of the activity (in hrs)	:	**1**
8.	Start Date	:	**22-03-2024**
9.	End Date	:	**22-03-2024**
10.	Number of Student Participants (Minimum 40 Students)	:	**42**
11.	Number of Faculty Participants	:	**03**
12.	Number of External Participants, If any	:	**01**
13.	Expenditure Amount, If any	:	**na**
14.	Remark	:	**--**
15.	Mode of Session Delivery	:	**Online**
16.	Objective (100 letters)	:	**To provide the participants with understanding of cybersecurity principles and ethical hacking**
17.	Benefit in terms of Learning/Skill/ Knowledge obtained (150 letters)	:	**Attendees explored the techniques used by ethical hackers to identify vulnerabilities, risks, and protect systems and networks from cyber threats**
18.	Video URL (EU YouTube channel)	:	
19.	Photographs (only 2) (max size 2 MB)	:	**Uploaded on IIC portal**
20.	Overall report of the activity (PDF, max 2MB)	:	**Uploaded on IIC portal**
21.	Promotion in Social Media **Linkedin:** https://www.linkedin.com/posts/eternal-university-baru-sahib-sirmour_ethicalhacking-cybersecurity-btechcse-activity-7176857363998547969-mikv?utm_source=share&utm_medium=member_desktop		

Akal College of Engineering & Technology
&
Techshilla Barusahib
Present

Industry Expert Talk on

Introduction to Ethical Hacking

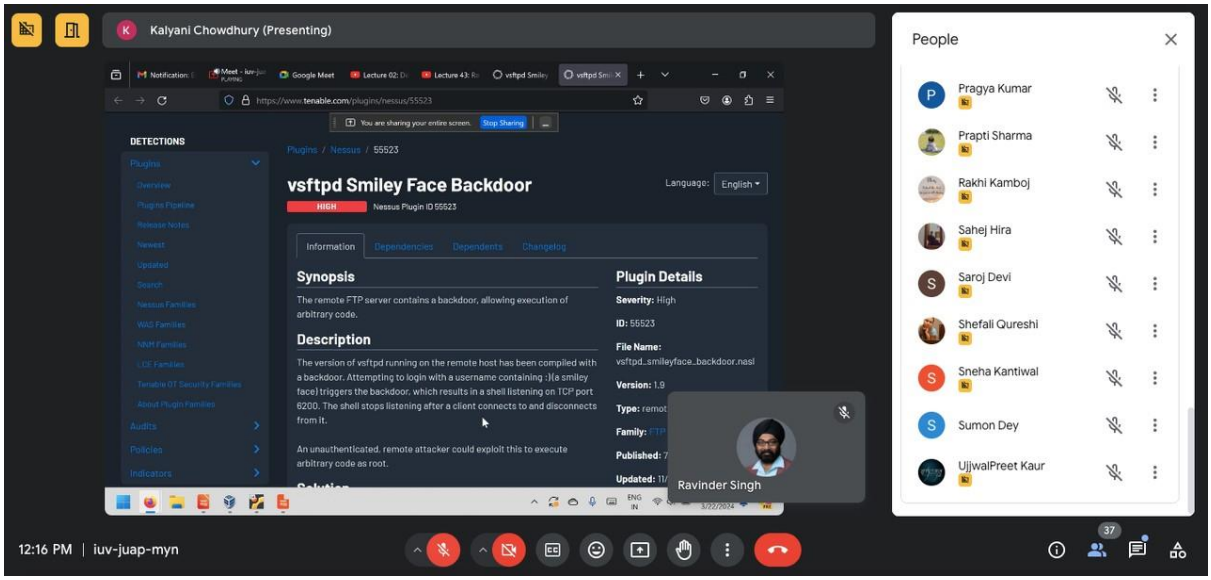
A handson Lab session to Understand Ethical Hacking

March 22, 2024

www.eternaluniversity.edu.in

Ms Kalyani Choudhary

Embedded Systems & Networking Expert
20+ years of Industry expertise



Brief report

As part of Industry Connect, Akal College of Engineering and Technology & Coding club, Techshilla, Baru Sahib organized a skillboost session, where Ms. Kalyani Choudhary took our B.Tech. CSE students on a thrilling journey into the world of Ethical Hacking!

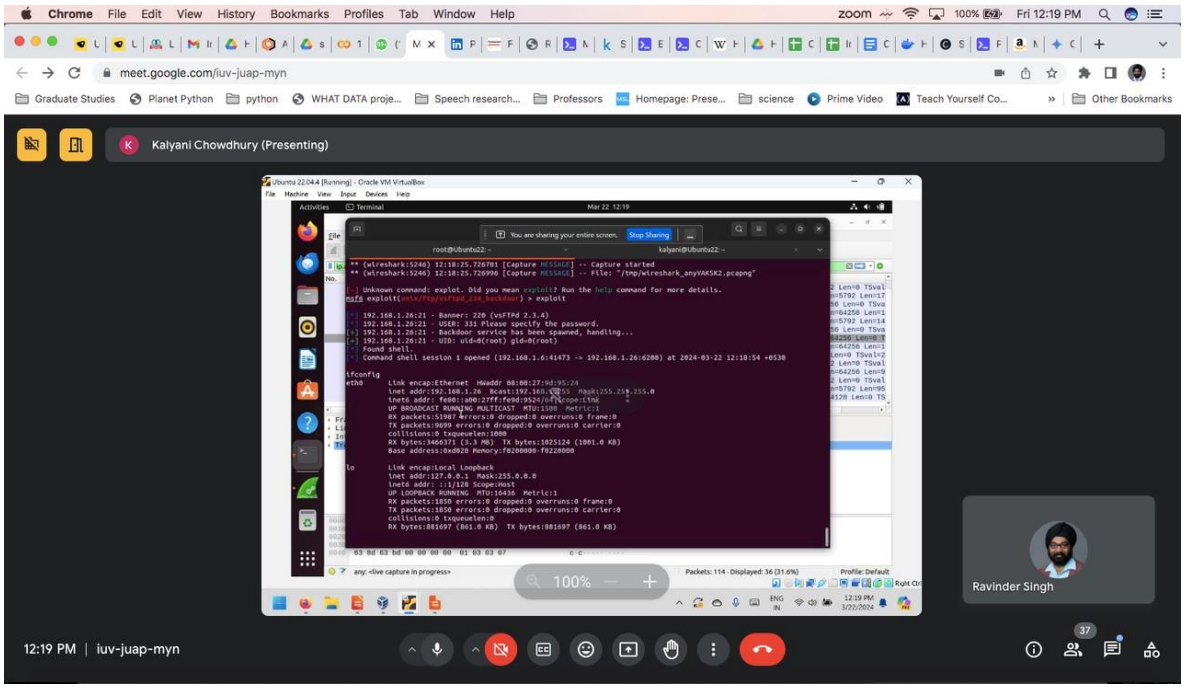
The session wasn't just theory – Ms. Kalyani gave a live demo using tools like dig, nmap, wireshark, and metasploit, showcasing a real hacking scenario. Over 35+ students participated in this 1.5 hour interactive session and walked away with valuable knowledge bytes.
Faculty and students of Department of Computer Science Engineering participated in this Session on 22nd March 2024 using Online platform Zoom.

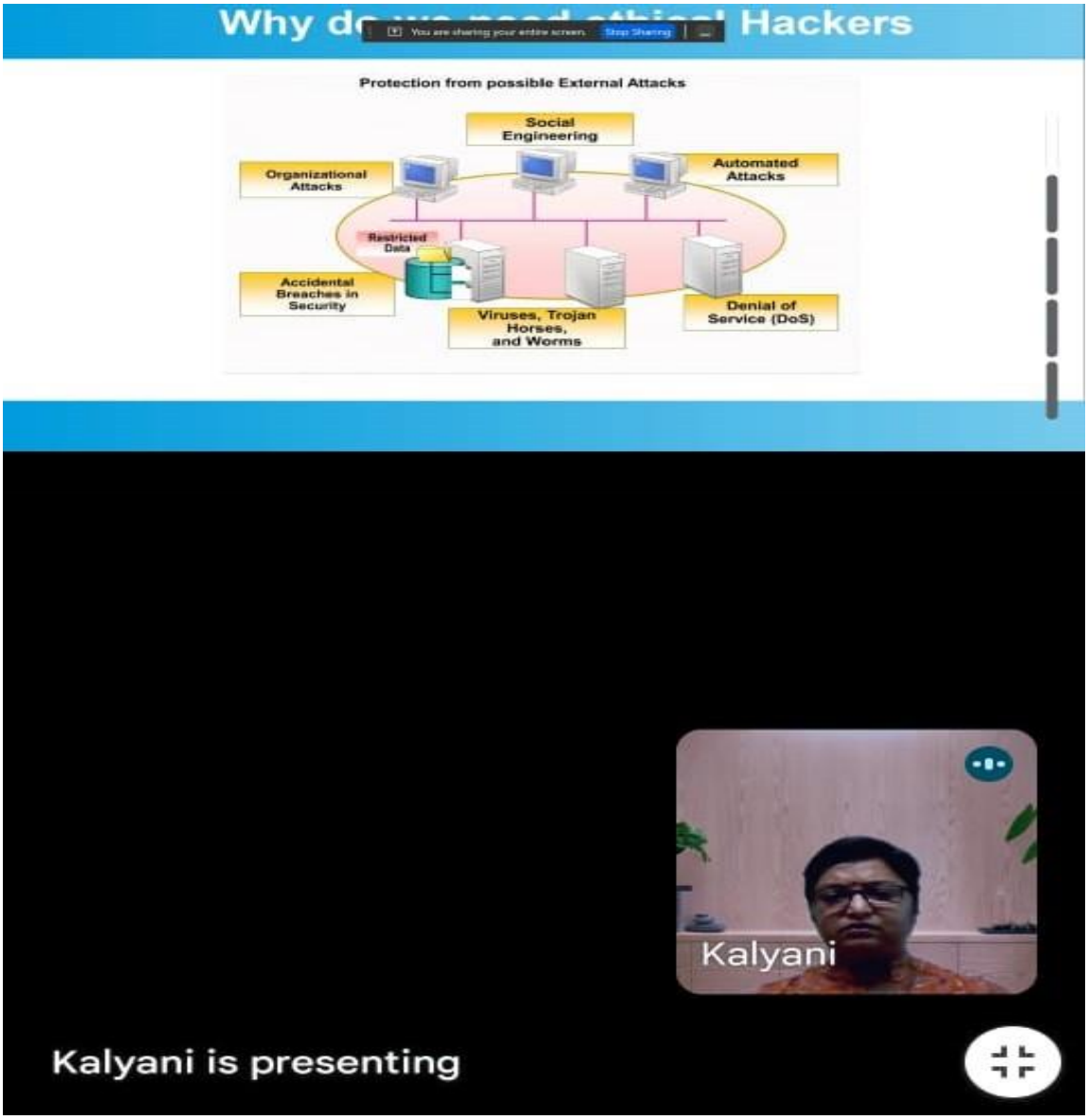
The session on ethical hacking aimed to provide the participants with a comprehensive understanding of cybersecurity principles and practices, focusing on the ethical aspect of hacking techniques. Through interactive discussions, practical demonstrations, and hands-on exercises, attendees will explore the methodologies used by ethical hackers to identify vulnerabilities, assess risks, and protect systems and networks from potential cyber threats.

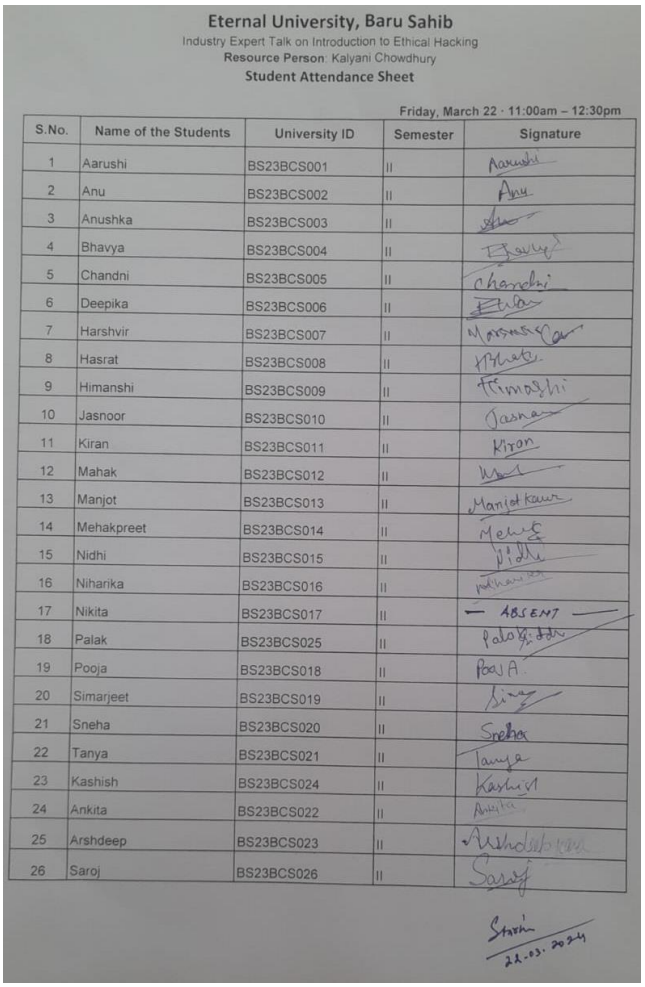
Key topics covered include penetration testing methodologies, reconnaissance techniques, vulnerability assessment, exploit development, and incident response. Participants will learn how to think like a hacker while adhering to ethical guidelines and legal boundaries. Emphasis will be placed on the importance of responsible disclosure, ethical considerations in hacking activities, and the role of ethical hackers in strengthening cybersecurity defenses.

The session will also delve into real-world case studies and recent cyber incidents to illustrate the significance of ethical hacking in safeguarding digital assets and maintaining the integrity of information systems. By the end of the session, attendees will gain practical insights and tools to enhance their cybersecurity posture and contribute positively to their organizations' security efforts.

#ethicalhacking
#cybersecurity
#BTechCSE
#EternalUniversity
#AkalCollege
#TechshillaBarushahib
#womenintech


Kalyani Chowdhury (Presenting)
Ravinder Singh
12:19 PM | iuv-juap-myn


Protection from possible External Attacks
Social Engineering
Organizational Attacks
Automated Attacks
Restricted Data
Accidental Breaches in Security
Viruses, Trojan Horses, and Worms
Denial of Service (DoS)
Kalyani
Kalyani is presenting



Eternal University, Baru Sahib

Industry Expert Talk on Introduction to Ethical Hacking

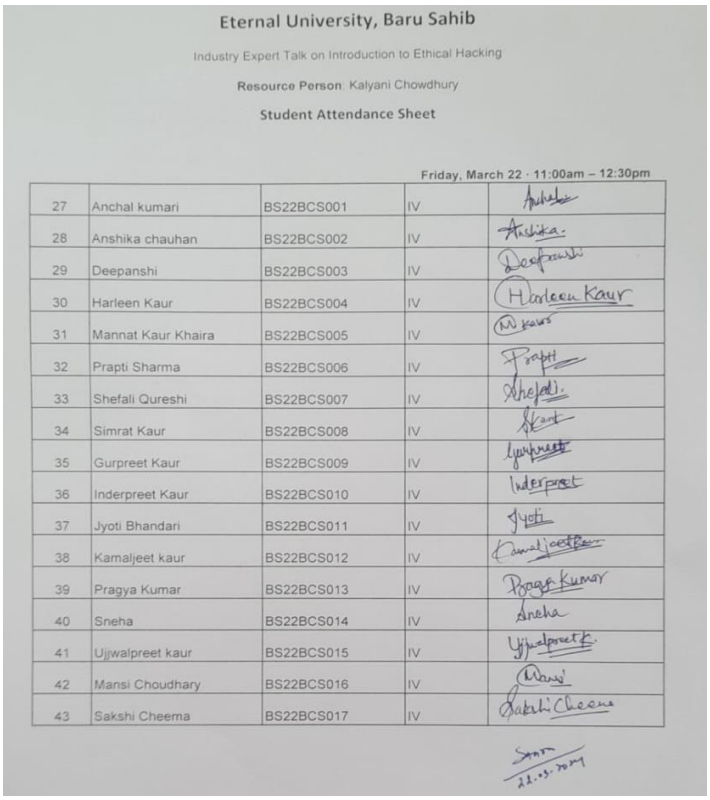
Resource Person: Kalyani Chowdhury

Student Attendance Sheet

Friday, March 22 · 11:00am – 12:30pm

S.No.	Name of the Students	University ID	Semester	Signature
1	Aarushi	BS23BCS001	II	
2	Anu	BS23BCS002	II	
3	Anushka	BS23BCS003	II	
4	Bhavya	BS23BCS004	II	
5	Chandni	BS23BCS005	II	
6	Deepika	BS23BCS006	II	
7	Harshvir	BS23BCS007	II	
8	Hasrat	BS23BCS008	II	
9	Himanshi	BS23BCS009	II	
10	Jasnoor	BS23BCS010	II	
11	Kiran	BS23BCS011	II	
12	Mahak	BS23BCS012	II	
13	Manjot	BS23BCS013	II	
14	Mehakpreet	BS23BCS014	II	
15	Nidhi	BS23BCS015	II	
16	Niharika	BS23BCS016	II	
17	Nikita	BS23BCS017	II	ABSENT
18	Palak	BS23BCS025	II	
19	Pooja	BS23BCS018	II	
20	Simarjeet	BS23BCS019	II	
21	Sneha	BS23BCS020	II	
22	Tanya	BS23BCS021	II	
23	Kashish	BS23BCS024	II	
24	Ankita	BS23BCS022	II	
25	Arshdeep	BS23BCS023	II	
26	Saroj	BS23BCS026	II	

22.03.2024



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Resource Person: Kalyani Chowdhury

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Friday, March 22 · 11:00am – 12:30pm

27	Anchal kumari	BS22BCS001	IV	
28	Anshika chauhan	BS22BCS002	IV	
29	Deepanshi	BS22BCS003	IV	
30	Harleen Kaur	BS22BCS004	IV	
31	Mannat Kaur Khaira	BS22BCS005	IV	
32	Prapti Sharma	BS22BCS006	IV	
33	Shefali Qureshi	BS22BCS007	IV	
34	Simrat Kaur	BS22BCS008	IV	
35	Gurpreet Kaur	BS22BCS009	IV	
36	Inderpreet Kaur	BS22BCS010	IV	
37	Jyoti Bhandari	BS22BCS011	IV	
38	Kamaljeet kaur	BS22BCS012	IV	
39	Pragya Kumar	BS22BCS013	IV	
40	Sneha	BS22BCS014	IV	
41	Ujjwalpreet kaur	BS22BCS015	IV	
42	Mansi Choudhary	BS22BCS016	IV	
43	Sakshi Cheema	BS22BCS017	IV	

22.03.2024