



# ETERNAL UNIVERSITY

## Institution's Innovation Council



### Activity Report

#### Industry Expert Talk on “Introduction to Ethical Hacking”

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



Akal College of Engineering & Technology  
&  
Techshilla Barusahib  
Present



# Industry Expert Talk on Introduction to Ethical Hacking

A hands-on Lab session to  
Understand Ethical Hacking

March 22, 2024

[www.eternaluniversity.edu.in](http://www.eternaluniversity.edu.in)



**Ms Kalyani Choudhary**

Embedded Systems & Networking Expert  
20+ years of Industry expertise

The screenshot shows a Google Meet interface with a presentation slide titled "vsftpd Smiley Face Backdoor". The slide content includes:

- DETECTIONS** (left sidebar): Plugins, Overview, Plugins Pipeline, Release Notes, Newest, Updated, Search, Nessus Families, WSO Families, NBN Families, LSI Families, Nessus OT Security Families, About Plugin Families, Audits, Policies, Indicators.
- vsftpd Smiley Face Backdoor** (main content):
  - Information**: Plugins / Nessus / 55523
  - Synopsis**: The remote FTP server contains a backdoor, allowing execution of arbitrary code.
  - Description**: The version of vsftpd running on the remote host has been compiled with a backdoor. Attempting to login with a username containing :|:a smiley face| triggers the backdoor, which results in a shell listening on TCP port 6200. The shell stops listening after a client connects to and disconnects from it.
  - Plugin Details**:
    - Severity: High
    - ID: 55523
    - File Name: vsftpd\_smileyface\_backdoor.nasl
    - Version: 1.0
    - Type: remote
    - Family: FTP
    - Published: 7/1/2010
    - Updated: 11/1/2010

The right sidebar shows a list of participants: Pragma Kumar, Prapti Sharma, Rakhi Kamboj, Sahej Hira, Saroj Devi, Shefali Qureshi, Sneha Kantilal, Sumon Dey, and UjjwalPreet Kaur.

## 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 22<sup>nd</sup> 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.

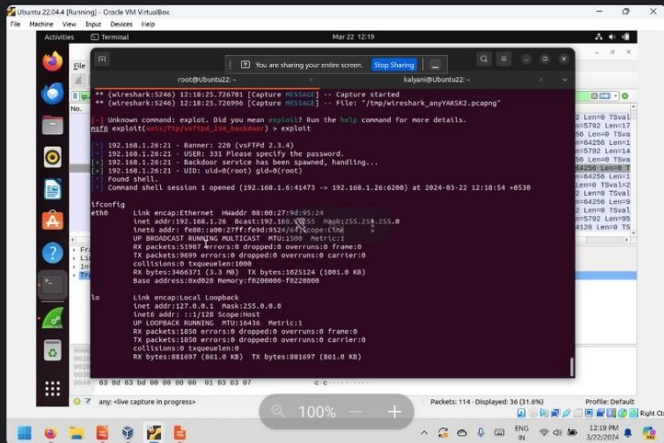
#ethicalhacking  
#cybersecurity  
#BTechCSE  
#EternalUniversity  
#AkalCollege  
#TechshillaBarushahib  
#womenintech

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meet.google.com/iuv-juap-myn

Graduate Studies Planet Python python WHAT DATA proje... Speech research... Professors Homepage: Prese... science Prime Video Teach Yourself Co... Other Bookmarks

Kalyani Chowdhury (Presenting)




12:19 PM | iuv-juap-myn

Ravinder Singh

## Why do we need Ethical Hackers

Protection from possible External Attacks



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	Aarushi
2	Anu	BS23BCS002	II	Anu
3	Anushka	BS23BCS003	II	Anushka
4	Bhavya	BS23BCS004	II	Bhavya
5	Chandni	BS23BCS005	II	Chandni
6	Deepika	BS23BCS006	II	Deepika
7	Harshvir	BS23BCS007	II	Harshvir
8	Hasrat	BS23BCS008	II	Hasrat
9	Himanshi	BS23BCS009	II	Himanshi
10	Jasnoor	BS23BCS010	II	Jasnoor
11	Kiran	BS23BCS011	II	Kiran
12	Mahak	BS23BCS012	II	Mahak
13	Manjot	BS23BCS013	II	Manjot Kaur
14	Mehakpreet	BS23BCS014	II	Mehakpreet
15	Nidhi	BS23BCS015	II	Nidhi
16	Niharika	BS23BCS016	II	Niharika
17	Nikita	BS23BCS017	II	ABSENT
18	Palak	BS23BCS025	II	Palak
19	Pooja	BS23BCS018	II	Pooja
20	Simarjeet	BS23BCS019	II	Simarjeet
21	Sneha	BS23BCS020	II	Sneha
22	Tanya	BS23BCS021	II	Tanya
23	Kashish	BS23BCS024	II	Kashish
24	Ankita	BS23BCS022	II	Ankita
25	Arshdeep	BS23BCS023	II	Arshdeep
26	Saroj	BS23BCS026	II	Saroj

Saroj  
22.03.2024

**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

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

Saroj  
22.03.2024