



XAVIER INSTITUTE OF ENGINEERING

MAHIM CAUSEWAY, MAHIM, MUMBAI - 400016

STUDENT COUNCIL OF XIE

EMAIL: STCOUNCIL@XAVIER.AC.IN



ETHICAL HACKING WORKSHOP + CTF

Event Details	
Event Type	Intra
Event Co-ordinator	Technical Committee
Judge	Mr. Sean Pereira
Venue	Computer Centre
Date	26th December 2023 - 30th December 2023, 02nd January 2024 - 03rd January 2024
Time	11:00 a.m.

Participation Details	
Participation Type	Solo
Comps Department	10
CSE Department	12
EXTC Department	4
IT Department	14
Inter College	-
Total	41

ETHICAL HACKING WORKSHOP + CTF

The Ethical Hacking Workshop and Capture the Flag (CTF) Competition was an intensive seven-day intra event organized and designed by Technical Committee of Student Council of XIE to provide participants with in-depth knowledge and hands-on experience in the field of cybersecurity. The event featured Mr. Sean Pereira, a certified expert in Cyber Security and also a eLearn Junior Penetration Tester, as the keynote speaker and instructor. The workshop spanned the first six days, culminating in a thrilling CTF competition on the seventh day, where participants applied their newly acquired skills in a competitive environment.

Day 1: Introduction:

- Participants were introduced to the concept of ethical hacking and its importance in cybersecurity .
- They learned about different terminologies in ethical hacking, hacking & its types, hackers and its types.
- Common hacking methodologies and the ethical hacker's toolkit were discussed.
- They learned about the ethical considerations and legal aspects of hacking and the reason one should or shouldn't be ethical hacker.

Day 2: Operating Systems & Networking

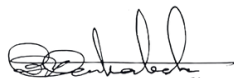
- The focus shifted to the fundamentals of operating systems (Windows, Linux) and networking.
- Participants gained an understanding of networking concepts like TCP/IP, OSI model, and network protocols.
- Hands-on exercises were conducted to explore network scanning and enumeration techniques.

Day 3: Programming/Bash Scripting/SQL

- Participants were introduced to programming languages (Python, Ruby, etc.) relevant to ethical hacking.
- They learned about hacking methodologies including reconnaissance, scanning, gaining access, maintaining access, and covering tracks.
- They also learned about bash scripting fundamentals for automation and task execution.



FR. DR. JOHN ROSE S.J.
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PROF. KAVITA JAIN
DEAN, STUDENT & STAFF WELFARE,
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ETHICAL HACKING WORKSHOP + CTF

Day 4: Web App Security, Penetration Testing

- The focus shifted to vulnerabilities in web applications and penetration testing methodologies.
- Common web application vulnerabilities such as SQL injection, XSS, and CSRF were discussed.
- Participants learned about web application security tools like Burp Suite and OWASP ZAP through practical exercises.
- But the major focus of the day was on basics of web.

Day 5 & Day 6: Hacking Techniques & Windows & Linux Privilege Escalation Basics.

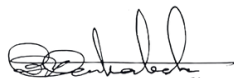
- The fifth day delved into advanced techniques such as exploit development and privilege escalation.
- Participants learned about the exploit development process, buffer overflows, and shellcoding.
- Techniques for privilege escalation in Linux system was explored through hands-on exercises.
- Participants delved on virtual machines (such as Academy, blue, etc.) and practised their learnings.

Day 7: Advance Hacking Techniques & CTF

- The final day of the workshop focused on advancing participants' hacking skills through advanced techniques and practical application in a Capture The Flag (CTF) competition.
- The highlight of the day was the Capture The Flag (CTF) competition, where participants applied their knowledge and skills acquired throughout the workshop to solve a series of cybersecurity challenges



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WINNER'S LIST

POSITION	NAME	CLASS - BRANCH
1	Piyush Singh	TE - IT
2	Anas Fodkar	SE - COMPS
3	Prabhakar Yadav	SE - EXTC

PARTICIPANT'S LIST

SR. NO	NAME	CLASS - BRANCH
1	SUMEET GUPTA	FE- CSE
2	ANSARI MOHD SAAD	FE - COMPS
3	ANIKET SHARMA	FE - EXTC
4	SHUBHAM SANDESH PATHARE	FE - COMPS
5	ANUSHREE VERMA	FE- CSE
6	PRADHUMNA MISHRA	FE - EXTC
7	ADARSH MILIND AJGAONKAR	FE - COMPS
8	RIYA PATASKAR	FE - COMPS
9	JASKEERAT SINGH	FE - EXTC
10	ADONIS JESWIN	FE- CSE
11	SAHIL DALAL	FE - IT

SR. NO	NAME	CLASS - BRANCH
12	ALSTON BOAZ SELVARAJ	FE - COMPS
13	RIAN RENJU	FE- CSE
14	MUSAB SHAIKH	FE - IT
15	HARSH JAIN	FE - COMPS
16	NITHIN NAYAK	SE - IT
17	DHRUMIL DHOLAKIA	SE- CSE
18	CECILIA DINESH	SE - COMPS
19	CHIRAG MOOLYA	SE - IT
20	AAYUSH JADHAV	SE- CSE
21	NITISH JHA	SE - IT
22	PONVISHAL NADAR	SE- CSE
23	SIDDHESH SURVE	SE- CSE
24	KRISH TRIVEDI	SE- CSE
25	VISHNU PRIYA SAHU	SE- CSE
26	VIJAYKUMAR UMAPATI KANDALA	SE - IT
27	HIMANSHU PANDEY	SE- CSE
28	ISHA SANDESH VANJARE	SE- CSE
29	SHREYA JADHAV	TE - IT

SR. NO	NAME	CLASS - BRANCH
30	SHREYA SINGH	TE - IT
31	ANIKET BADGUJAR	TE - IT
32	KUNAL LAL SINGH	TE - IT
33	SINDUSAGAR CHANDRASHEKHAR KAMURTHI	TE - EXTC
34	SIMRAN TIWARI	TE - COMPS
35	MERVIS MASCARENHAS	TE - COMPS
36	HARSHVARDHAN GUPTA	TE - IT
37	RIYA KAMBLE	TE - IT
38	GAURESH SOMWANSHI	TE - IT



POSTER



TECHNICAL COMMITTEE OF STUDENT COUNCIL
PRESENTS

A Workshop on ETHICAL HACKING + CTF

26 Dec - 30 Dec, 2 Jan, 3 Jan

- 1 → Introduction
- 2 → OS & Networking
- 3 → Programming/Bash Scripting/SQL
- 4 → Web App Security, Penetration Testing
- 5 → System Security & Hacking Techniques
- 6 → Windows & Linux Privilege Escalation Basics.
- 7 → Advance Hacking Techniques & CTF



Sean Pereira

PRIZE POOL

Rs. 18000+

Participation certificate for all

11am to 2pm

COMPUTER CENTRE



About Sean Pereira

Sean Pereira is certified in CyberSecurity and also a eLearn Junior Penetration Tester.

Contact : Harshit Jain - 99205 57994, Dhruvil Dholakia - 80078 62610

IMAGES



PARTICIPATION & WINNER'S CERTIFICATE



TRANSMISSION

