

PEC/CIRCULAR/2025

Date: 20-06-2025

CIRCULAR

The Cyber Security Club of Pragati Engineering College successfully organized an offline event titled **"Cybersecurity Career Paths"** on **27th June 2025** at the college campus.

"Cybersecurity Career Paths" was conducted to provide students with valuable insights into the wide range of career opportunities available in the field of cybersecurity. The session covered various domains such as ethical hacking, digital forensics, penetration testing, network security, incident response, cloud security, and governance, risk, and compliance (GRC). Students were introduced to the skills, certifications, and tools required for each role, along with real-world examples of how cybersecurity professionals safeguard digital infrastructure. The session aimed to guide students in choosing a career path that aligns with their interests and strengths within the cybersecurity domain.

The event witnessed **enthusiastic participation** from students, reflecting their strong interest in exploring cybersecurity as a promising and impactful career.

The **Principal of Pragati Engineering College, Dr. G. Naresh**, appreciated and congratulated the coordinators of the event, including the **faculty coordinator**, *Ms. T. Ganga Bhavani* (Head of the Department, Cyber Security), and the **student coordinators**, for the successful execution of the program.

The **Cyber Security Club** extends its heartfelt gratitude to all the **participants**, **coordinators**, **and contributors** who played a vital role in making the event a grand success.

Faculty Coordinator:

T. Ganga Bhavani – Assistant Professor, Cyber Security Department (HOD – Cyber Security)

Student Coordinators:

- K. Sai Swarup III Year, Cyber Security
- T. Siva Datta Sai III Year, Cyber Security



CYBER SECURITY CLUB

DATE: 27-06-2025 **MODE**: OFFLINE **TIME**: 2:00 P.M TO 4:00 P.M

Here is the official poster of our Event:

遵 Prag	INDUSTRY 4.0	
	R SECURITY CLUB (CSC)	SCAN ME!
CYBERSE	CURITY CAREER PAT	
DATE MOO	:- 27-06-2025 D:- OFFLINE	
TIME	:- 2PM TO 4PM	
FACULTY COORDINATOR MRST.GANGA BHAVANI ASST.PROF.CS.DEPT.(HOD)	RESOURCE PERSON IKSAI SWARUP (III CS) TSIVA DATTA SAI (III CS)	PRESIDENT I.V.NAVEEN KUMAR (III CS) PH:-8106736372

Faculty Co-ordinator:

T. Ganga Bhavani – Assistant Professor & Head of the Department, Cyber Security

Student Co-ordinators:

- I. Naveen 3rd Year, Cyber Security
- M. Jyothisri 3rd Year, Cyber Security
- T. Siva Datta Sai 3rd Year, Cyber Security
- B. Prabhu Surya 3rd Year, Cyber Security
- A. Raghu Ram 3rd Year, Cyber Security
- K. Sai Swarup 3rd Year, Cyber Security
- **B.** Sai 3rd Year, Cyber Security
- K. Manideep 3rd Year, Computer Science and Engineering
- T. Pavani 3rd Year, Cyber Security
- Y. Vyshnavi 3rd Year, Cyber Security
- K. Geethika 3rd Year, Cyber Security
- V. Sujana 3rd Year, Cyber Security
- Y. Mounika 3rd Year, Cyber Security
- A. Venkata Satya Narayana 3rd Year, Cyber Security



REGISTRATIONS:

Students Registered for event on "cybersecurity carrer paths"

S.No	Name	Roll No	Branch	Section	Year
1.	Manam Sri Varsha	24A31A4620	CS	Α	1st Year
2.	Chikkam Santhoshi Varshini	24a31a43d8	AI	С	1st Year
3.	Aashritha Routhu	24A31A43F7	AI	С	1st Year
4.	B. Deshik	24A31A05KC	CSE	F	1st Year
5.	Kolli.Bharathi	24A31A4617	CS	А	1st Year
6.	Niharika Kesavarapu	24A31A43E6	AI	С	1st Year
7.	Mohammed Asif Ahamed	24A31A4354	AI	А	1st Year
8.	S.Sunny	24A31A4657	CS	А	1st Yea
9.	Mery Mamatha Akula	24A31A4601	CS	А	1st Yea
10.	G.Purni Sasi Kala Devi	24A31A4611	CS	Α	1st Yea
11.	Kotha Sri Venkata Mallik Sri Mourya	24A31A43H3	AI	С	1st Yea
12.	K.Ramadevi	24A31A4616	CS	А	1st Yea
13.	B. Divyasri	24A31A0569	CSE	В	1st Yea
14.	Asritha	24A31A43F3	AI	С	1st Yea
15.	Inti. Chinni	24A31A4613	CS	А	1st Yea
16.	D Likhith Kumar	24A31A4637	CS	А	1st Yea
17.	Abilashya.B	24A31A4604	CS	А	1st Yea
18.	Ch. Siva Surya	24A31A4635	CS	А	1st Yea
19.	Lakshmi Chaitanya Pidugu	24A31A1220	IT	А	1st Year
20.	Jayaram Satya Santosh Nemala	24A31A0247	EEE	А	1st Yea
21.	Vinti Jyothi Charan	24a31a4663	CS	Α	1st Yea
22.	Akshaya Keerthi.Kali	24A31A4614	CS	А	1st Yea
23.	Karnuri Padmini	24A31A4615	CS	А	1st Yea
24.	Svvs Bhaskar	24A31A42C7	AI&ML	В	1st Yea
25.	Mohammad Sidratul Zuha	24A31A4622	CS	А	1st Yea
26.	Pravalika korimi	24A31A4618	CS	А	1st Yea
27.	Yeddu karuna	24A31A4630	CS	А	1st Yea
28.	Guttula Harshita	24A31A4273	AI&ML	В	1st Yea
29.	Lavanya	24A31A4285	AI&ML	В	1st Yea
30.	Naga Devi Vinay Santhoshi Mattaparthi	24A31A4288	AI&ML	В	1st Yea
31.	p. sai santhoshini	24A31A4289	AI&ML	В	1st Yea
32.	Chodi praveen	24A31A43G8	AI	С	1st Yea
33.	MAGAPU DATTA CHARAN	24A31A0555	CSE	А	1st Yea
34.	Chappidi Jayaram	24A31A0431	ECE	А	1st Yea
35.	Chitturi Geetha Sai	24A31A4609	CS	А	1st Year



PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF CYBERSECURITY

	Rakshita				
36.	Geeta Sahithi Chetti	24A31A4607	CS	А	1st Year
37.	Madhurima	24A31A4628	CS	А	1st Year
38.	Gollapalli. Sri Naga Sai Durga Mani	24A31A4610	CS	А	1st Year
39.	Mani venkat Charan obhinni	aran 24A31A43I5 AI C		1st Year	
40.	Seelam Bhargav	24A31A43J5	AI	С	1st Year
41.	Yelisetty Nagendra	24A31A4665	CS	А	1st Year
42.	24a31a1247	24a31a1247	IT	А	1st Year
43.	K. Lakshman raj	24A31A1242	IT	А	1st Year
44.	YAVAN HRUTHVIKE KANDULA	24A31A1266	IT	А	1st Year
45.	T.Harsha Vardhan Varma	24A31A1262	IT	А	1st Year
46.	M.Sireesha	24A31A4621	CS	А	1st Year
47.	G.sai sneha	24A31A4612	CS	А	1st Year
48.	K REVANTH Venkat	24A31A1260	IT	А	1st Year
49.	GOWTHAM SAI SATYA	24A31A4640	CS	А	1st Year
50.	Sirisha	24A31A1227	IT	А	1st Year
51.	Dhanusha allada	24A31A4602	CS	А	1st Year
52.	V.Harsha Vardhan	24A31A4664	CS	А	1st Year
53.	B.Bhargavi	24A31A4603	CS	А	1st Year
54.	Avala chandu	24A31A4631	CS	А	1st Year
55.	P CHARAN SRI RAM	24A31A1253	IT	А	1st Year
56.	Buddana Hema Madhulika	24A31A4606	CS	А	1st Year
57.	KOMALI PAVANI NAGAMANI	24A31A1211	IT	А	1st Year
58.	Kosana Akshaya	24A31A4619	CS	А	1st Year
59.	Pachimala Hari priya	24A31A4624	CS	А	1st Year
60.	Narala Nihitha sai	24A31A4623	CS	А	1st Year
61.	Suhitha Gandi	24A31A1207	IT	А	1st Year
62.	Masthan Ahmed	24A31A43H7	AI	С	1st Year
63.	Nayana	24a31a1210	IT	А	1st Year
64.	Akshay Kountesh Tolem			1st Year	
65.	Satya Anusha Nathipam	24A31A1217	IT	А	1st Year
66.	R. pujitha Ramani	24A31A1221	IT	А	1st Year
67.	Varada V L B V Kamakshi	24A31A1230	IT	А	1st Year
68.	Kavya Varshini Gayatri Sankuru	24A31A1224	IT	А	1st Year
69.	Ashwin Prabhakar	24a31a4651	CS	А	1st Year
70.	Dangeti Venkata Durga Vara Prasad	24A31A4636	CS	А	1st Year
71.	Ganesh	24A31A1258	IT	А	1st Year



ATTENDENCE:

We later posted the event link at the time of commencement that we've informed the responses and scores are as follows;

S.No	Name	Roll No	Branch	Section	Year
1.	Niharika Kesavarapu	24A31A43E6	AI	С	1st Year
2.	Mohammed Asif Ahamed	24A31A4354	AI	А	1st Year
3.	S.Sunny	24A31A4657	CS	А	1st Year
4.	Mery Mamatha Akula	24A31A4601	CS	A	1st Year
5.	G.Purni Sasi Kala Devi	24A31A4611	CS	A	1st Year
6.	Kotha Sri Venkata Mallik Sri Mourya	24A31A43H3	AI	C	1st Year
7.	K.Ramadevi	24A31A4616	CS	А	1st Year
8.	B. Divyasri	24A31A0569	CSE	В	1st Year
9.	Asritha	24A31A43F3	AI	С	1st Year
10.	Inti. Chinni	24A31A4613	CS	А	1st Year
11.	D Likhith Kumar	24A31A4637	CS	А	1st Yea
12.	Abilashya.B	24A31A4604	CS	А	1st Yea
13.	Ch. Siva Surya	24A31A4635	CS	А	1st Yea
14.	Lakshmi Chaitanya Pidugu	24A31A1220	IT	А	1st Yea
15.	Jayaram Satya Santosh Nemala	24A31A0247	EEE	А	1st Yea
16.	Vinti Jyothi Charan	24a31a4663	CS	А	1st Yea
17.	Akshaya Keerthi.Kali	24A31A4614	CS	А	1st Yea
18.	Karnuri Padmini	24A31A4615	CS	А	1st Yea
19.	Svvs Bhaskar	24A31A42C7	AI&ML	В	1st Yea
20.	Mohammad Sidratul Zuha	24A31A4622	CS	А	1st Yea
21.	Pravalika Korimi	24A31A4618	CS	А	1st Yea
22.	Yeddu Karuna	24A31A4630	CS	А	1st Yea
23.	Guttula Harshita	24A31A4273	AI&ML	В	1st Yea
24.	Lavanya	24A31A4285	AI&ML	В	1st Yea
25.	Naga Devi Vinay Santhoshi Mattaparthi	24A31A4288	AI&ML	В	1st Yea
26.	P. Sai Santhoshini	24A31A4289	AI&ML	В	1st Yea
27.	Chodi Praveen	24A31A43G8	AI	С	1st Yea
28.	Magapu Datta Charan	24A31A0555	CSE	А	1st Yea
29.	Chappidi Jayaram	24A31A0431	ECE	А	1st Yea
30.	Chitturi Geetha Sai Rakshita	24A31A4609	CS	А	1st Yea
31.	Geeta Sahithi Chetti	24A31A4607	CS	А	1st Yea
32.	Madhurima	24A31A4628	CS	А	1st Yea
33.	Gollapalli. Sri Naga Sai	24A31A4610	CS	А	1st Yea



PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF CYBERSECURITY

	Durga Mani				
34.	Mani Venkat	24A31A43I5	AI	С	1st Year
	Charan Obhinni				
35.	Seelam Bhargav	24A31A43J5	AI	С	1st Year
36.	Yelisetty Nagendra	24A31A4665	CS	А	1st Year
37.	24a31a1247	24a31a1247	IT	А	1st Year
38.	K. Lakshman Raj	24A31A1242	IT	А	1st Year
39.	Yavan Hruthvike	24A31A1266	IT	А	1st Year
	Kandula				
40.	T.Harsha Vardhan	24A31A1262	IT	А	1st Year
	Varma				
41.	M.Sireesha	24A31A4621	CS	A	1st Year
42.	G.Sai Sneha	24A31A4612	CS	А	1st Year
43.	K Revanth Venkat	24A31A1260	IT	А	1st Year
44.	Gowtham Sai Satya	24A31A4640	CS	А	1st Year
45.	Sirisha	24A31A1227	IT	А	1st Year
46.	Dhanusha Allada	24A31A4602	CS	А	1st Year
47.	V.Harsha Vardhan	24A31A4664	CS	А	1st Year
48.	B.Bhargavi	24A31A4603	CS	А	1st Year
49.	Avala Chandu	24A31A4631	CS	А	1st Year
50.	P Charan Sri Ram	24A31A1253	IT	А	1st Year
51.	Buddana	24A31A4606	CS	А	1st Year
	Hema				
	Madhulika				
52.	Komali Pavani	24A31A1211	IT	А	1st Year
	Nagamani				
53.	Kosana Akshaya	24A31A4619	CS	А	1st Year
54.	Pachimala Hari Priya	24A31A4624	CS	А	1st Year
55.	Narala Nihitha Sai	24A31A4623	CS	А	1st Year
56.	Suhitha Gandi	24A31A1207	IT	А	1st Year
57.	Masthan Ahmed	24A31A43H7	AI	С	1st Year



SCREENSHOTS/SESSION PICTURES: CYBER SECURITY CL



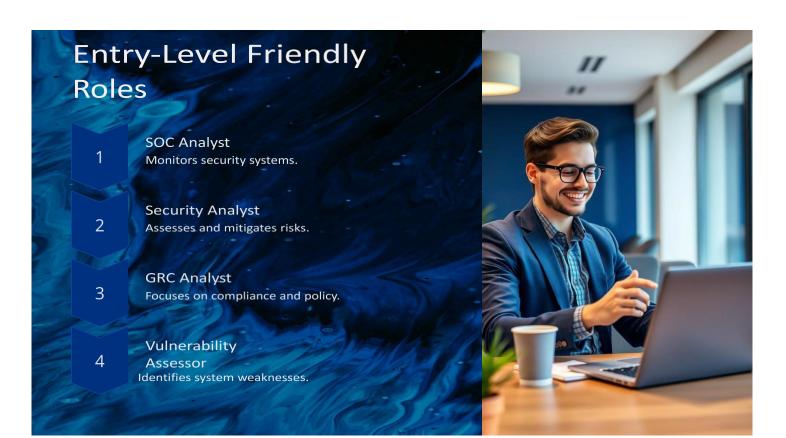
Key Cybersecurity Domains

Network Security

Protects network infrastructure and data in transit. Application Security Secures software from design to deployment. Cloud Security Safeguards data and applications in cloud environments.

Threat Intelligence Gathers and analyzes data on cyber threats. GRC Ensures compliance with regulations and manages risks.







Security Analyst

Skills

Tools

SIEM (Splunk, QRadar)

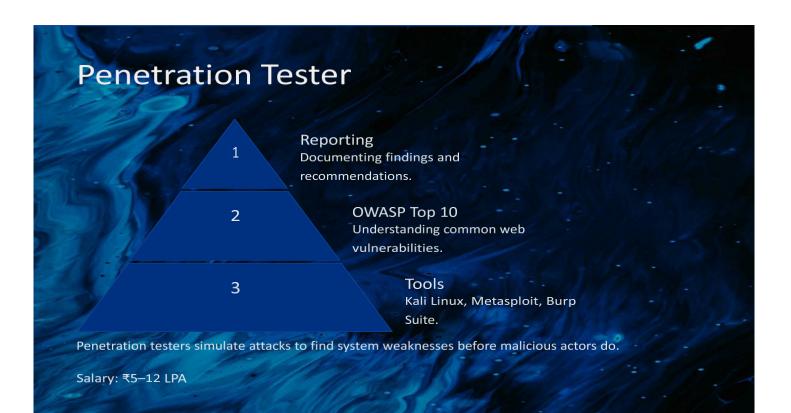
Logs, alerts, basic scripting

Salary

₹4–7 LPA

A security analyst plays a crucial role in maintaining an organization's digital defenses.





Threat Hunter

Active Investigation Proactively searching for undetected threats within networks.

2

3

Threat Intel Utilizing intelligence to anticipate and identify adversaries.

Malware Analysis Dissecting malicious software to understand its behavior.

Threat hunters are proactive defenders, seeking out hidden dangers before they cause damage.

1

Salary: ₹6–10 LPA



Cybersecurity Engineer

Role Overview

Cybersecurity engineers design and implement secure systems. They build and maintain robust security infrastructures.



Proficiency in firewalls, intrusion detection/prevention systems (IDS/IPS), and VPNs is crucial.

Salary Expectations

Salaries range from ₹6-15 LPA, varying with experience and specialization.



Roadmap

"Cybersecurity is not just a job — it's a mission." Start learning today and protect tomorrow!

Learn Fundamentals Acquire core knowledge in networking and systems.

Practice Relentlessly Use labs, CTFs, and personal projects.

Certify Your Skills Gain recognized industry certifications.

Build Projects Create practical demonstrations of your abilities.

Network Actively Connect with professionals and mentors.

Apply Strategically Target roles that align with your goals.

Level Up Continuously Stay updated with evolving threats and technologies.

Contact: [Your Email] | LinkedIn: [Your Profile]



Event Report: Cyber security Career paths

Date: 27th June 2025 **Organized by**: Cyber Security Club, Department of Cyber Security, Pragati Engineering College

Introduction:

The *Cyber Security Club* of Pragati Engineering College successfully organized an engaging and informative event titled "**Cybersecurity Career Paths**" on **27th June 2025** at the college campus. The session was tailored to introduce students to the ever-growing field of cybersecurity, helping them understand the essential skills, certifications, job roles, and real- world applications that define this dynamic domain.

With the increasing digitalization of services and the rising threat of cybercrime, cybersecurity has emerged as one of the most critical and in-demand career fields globally. This event aimed to guide students—especially those from technical backgrounds—toward building a strong foundation in cybersecurity concepts and exploring the various career tracks

available, from ethical hacking and penetration testing to incident response, GRC, digital forensics, and cloud security.

The session was led by passionate student coordinators who shared valuable insights, practical knowledge, and actionable career advice. The overwhelming participation of students from various departments reflected their eagerness to explore cybersecurity as a high-impact and future-proof career path.or GRC Expert. In conclusion, cybersecurity is more than a career—it's a calling. It empowers individuals to become digital defenders of the future. For students passionate about technology, ethical responsibility, and innovation, cybersecurity promises a rewarding and impactful professional life. remove whitespaces and give correct professional order

Resource Persons

- K. Sai Swarup 3rd Year, Cyber Security
- T. Siva Datta Sai 3rd Year, Cyber Security

Faculty Coordinator

• T. Ganga Bhavani – Assistant Professor & Head of the Department, Cyber Security

Participation & Engagement

- Number of Registrations: 71
- Number of Attendees: 57

Students from various departments actively participated with enthusiasm, showing strong interest in cybersecurity fundamentals and career planning.



Theme of the Event:

"Empowering Students to Become Tomorrow's Cyber Guardians"

The theme of the event centered around **career awareness and readiness in the field of cybersecurity**. With cyber

threats becoming more sophisticated and widespread, there is a global demand for cybersecurity professionals who can defend systems, analyze threats, and ensure digital safety across sectors.

This session focused on:

- Demystifying the structure of the cybersecurity job landscape
- Highlighting the roles of **Red Team** (Offensive Security) and **Blue Team** (Defensive Security)
- Explaining the importance of **open-source tools**, **command-line interfaces**, and **hands-on experience**
- Discussing in-demand certifications at **beginner**, intermediate, and advanced levels
- Showcasing entry-level and advanced job roles such as SOC Analyst, GRC Analyst, Bug Bounty Hunter, Pen Tester, Digital Forensics Expert, and more

Students were encouraged to explore their interests, align their skillsets, and begin charting their personalized learning path toward a meaningful career in cybersecurity.

Detailed Overview:

The "Cybersecurity Career Paths" session delivered a comprehensive and practical exploration of the evolving

cybersecurity landscape, designed to empower students with the knowledge needed to begin and shape their careers in this high-demand domain.

The event began by highlighting the importance of cybersecurity in today's digital-first world, where organizations rely heavily on secure systems to protect sensitive data, ensure privacy, and maintain operational integrity. As cyber threats continue to grow in complexity, the need for well-trained professionals has become more urgent than ever.

Students were introduced to the core structure of cybersecurity career domains, including areas such as Network

Security, Application Security, Cloud Security, Digital Forensics, and Threat Intelligence. The session explained how each domain functions in the real world and how students can align their skills and interests to build a focused career path.

A key focus was placed on understanding the Red Team vs. Blue Team dynamics—highlighting offensive security roles like penetration testing and bug bounty hunting, as well as defensive roles like incident response and SOC analysis. This helped participants differentiate between career types and identify their preferred area of expertise.

The session also emphasized the importance of hands-on skills, such as working with open-source operating systems like Linux, using terminal commands, understanding system architecture, and becoming proficient with command-line tools—skills essential for any cybersecurity role. Live demonstrations and real-world examples were used to show how

cybersecurity professionals perform key tasks such as vulnerability assessments, log analysis, and forensic investigations.



In addition, students were guided through industry-recognized certifications for every stage of their journey—from

beginner-friendly credentials like CompTIA Security+ and the Google Cybersecurity Certificate, to advanced certifications like OSCP, CISSP, and CISM, which are highly valued by employers globally.

Finally, the session covered the wide array of job roles available within the field, explaining each with clarity—ranging

from Security Analyst and Threat Hunter to GRC Analyst and Cryptographer. Students gained a deeper understanding of the qualifications, skills, and mindset needed to succeed in these roles.

By the end of the event, attendees had a clear roadmap to:

- Begin learning foundational cybersecurity skills.
- Choose a specialization that suits their interests.
- Identify suitable certifications.
- Prepare for job opportunities in both public and private sectors.

This session successfully laid the groundwork for students to take their first steps into the cybersecurity world with clarity, confidence, and direction.

Major Highlights

- 1. Introduction to Cybersecurity The importance of securing systems, networks, and data.
- 2. High Demand & Growth Career prospects across government and private sectors.
- 3. Entry-Level Opportunities Roles such as:
- Security Analyst
- SOC Analyst
- Vulnerability Assessor
- GRC Analyst
- 4. Red Team vs. Blue Team
- *Red Team (Offensive)*: Penetration Tester, Bug Bounty Hunter
- Blue Team (Defensive): SOC Analyst, Incident Responder

5. Key Domains Covered

- Network Security
- Application Security
- Cloud Security
- Threat Intelligence
- Governance, Risk & Compliance (GRC)



6. Popular Job Roles Discussed

- Penetration Tester
- Cybersecurity Engineer
- Incident Responder
- Digital Forensics Expert
- Application Security Tester
- Cloud Security Engineer
- Threat Hunter
- Bug Bounty Hunter
- 7. **GRC Analyst** Risk management, audit, and compliance roles.
- 8. **Digital Forensics Expert** Investigating cyber crimes and analyzing digital evidence.
- 9. **Bug Bounty** Earning by reporting vulnerabilities; bounties starting from \$100+.
- 10. Vulnerability Assessor & Cryptographer Roles demanding strong mathematical skills.
- 11. Popular Certifications
- Beginner Level: CompTIA Security+, Google Cybersecurity Certificate
- Intermediate Level: CEH, CySA+, SSCP
- Advanced Level: OSCP, CISSP, CISM

Conclusion:

The "**Cybersecurity Career Paths**" event served as an eye-opening and informative experience for students, providing them with a clear understanding of the dynamic and ever-evolving field of cybersecurity. Through expert-led sessions,

real-world insights, and detailed guidance, the event successfully introduced participants to the wide spectrum of career opportunities in this mission-critical domain.

As organizations across the globe increasingly rely on digital infrastructure, the demand for cybersecurity professionals continues to surge. This event not only emphasized the significance of roles such as Security Analysts, Penetration Testers, and GRC Experts but also guided students on how to strategically enter the field through foundational skills, hands-on practice, and globally recognized certifications.

The session reinforced that cybersecurity is more than just a technical career—it is a responsibility. It empowers individuals to become defenders of data, protectors of privacy, and stewards of digital trust. Whether students aspire to be ethical hackers, forensic investigators, or cloud security specialists, they now have a strong roadmap to navigate their future.



Overall, the event was a resounding success, inspiring participants to pursue impactful, purposedriven careers in cybersecurity while equipping them with the clarity and motivation to begin their professional journeys.

Feed Back Report:

List of students given the feedback:

S.No	Roll Number	Branch	Section	Rate the session out of 5	Any suggestions regarding the session	
1	24A31A4660	CSE(CS)	А	5	Super	
2	24A31A1220	IT	А	5	No	
3	24A31A43H3	CSE(AI)	С	3	No	
4	24A31A1211	IT	А	5	Excellent	
5	24A31A43J5	CSE(AI)	С	5	Good	
6	24A31A43H4	CSE(AI)	С	5	Superb	
7	24A31A05KC	CSE	F	4	Good	
8	24a31a4663	CSE(CS)	А	5	Nothing	
9	24A31A4617	CSE(CS)	А	5	Datta sai bro rocked	
10	24A31A4629	CSE(CS)	А	5	Good	
11	24A31A4616	CSE(CS)	А	4	Good	
12	24A31A4610	CSE(CS)	А	5	Good	
13	24A31A4614	CSE(CS)	А	5	No	
14	24A31A4622	CSE(CS)	А	5	Nice	
15	24A31A4615	CSE(CS)	А	3	Nothing	
16	24A31A4613	CSE(CS)	А	5	Swarup give good carrier suggestion	
17	24A31A4620	CSE(CS)	А	5	kunchum slow ga chepte baaguntundemo	
18	24A31A4607	CSE(CS)	А	5	Great assistance from raghu bro	
19	24A31A4601	CSE(CS)	А	4	No	
20	24A31A4604	CSE(CS)	А	5	Thank you for the session	
21	24A31A4625	CSE(CS)	А	5	No	
22	24A31A4354	CSE(AI)	А	5	Super session And plz give certificate	
23	24A31A4301	CSE(AI)	А	4	No suggestions	



Feedback Summary:

Feedback	Number of Persons
Excellent	17
Good	4
Average	2
Bad	0

Session pictures:





