



17-12-2025

INDUSTRY EXPERT LECTURE SERIES

Prepared by:

**DEPARTMENT OF
COMPUTER SCIENCE**

INDUSTRY EXPERT LECTURE SERIES
Cyber Security and Ethical Hacking
DEPARTMENT OF COMPUTER SCIENCE
GOVERNMENT COLLEGE (A) RAJAHMUNDRY

Date: 17 December 2025

Organized By: Department of Computer Science

Industry Partner: Avishkar Tech Solutions

Resource Person: Mr. Sanaboyina Ahrit Kumar

Venue: Digi Hub Lab

No. of Participants:73

1. Introduction

On 17 December 2025, the Department of Computer Science hosted an insightful session as part of its ongoing Industrial Lecture Series. The program aimed to bridge the gap between academic theory and industry practice, specifically focusing on the rapidly evolving fields of Cyber Security and Ethical Hacking. The guest speaker for the event was Mr. Sanaboyina Ahrit Kumar from Avishkar Tech Solutions, an expert with extensive experience in digital forensics. Total 73 Students participated in this event.

2. Objectives of the Lecture

The primary objectives of the session were:

1. To introduce students to the core concepts of ethical hacking and its importance in the modern corporate world.
2. To provide a clear distinction between unethical hacking and professional penetration testing.
3. To demonstrate real-world security tools and defensive strategies.
4. To outline career opportunities and certifications required to excel in the cybersecurity domain.

Outcome

1. Students will gain practical awareness of commonly used cybersecurity tools and defensive techniques, and understand how they are applied in real-world scenarios.
2. Students will be able to identify various career paths in cybersecurity, along with the key skills and certifications required to succeed in the field.
3. Students will develop a basic understanding of security risks, vulnerabilities, and mitigation strategies used to safeguard digital assets.

Brief Report

Mr. Ahrit Kumar conducted an engaging and insightful session that effectively balanced theoretical knowledge with practical demonstrations. He began by introducing the cyber threat landscape, providing an overview of current global security trends such as ransomware, phishing, and man-in-the-middle attacks, helping students understand the evolving nature of cyber risks. He then explained the ethical hacking process in a structured, step-by-step manner, detailing how security professionals identify and address vulnerabilities. This included reconnaissance, where information about the target is gathered; scanning, which involves identifying open ports and services; gaining access by exploiting vulnerabilities; maintaining access to ensure a persistent presence for testing purposes; and finally, analysis and reporting, where findings are documented to help patch security gaps.

The session also featured demonstrations of industry-standard tools like Kali Linux, Nmap for network mapping, and Wireshark for packet analysis, giving students practical exposure to real-world cybersecurity practices. Additionally, he emphasized security best practices, offering valuable advice on protecting personal data and introducing the fundamentals of building secure application architectures.

3. Interactive Session

The lecture was followed by a Q&A session where students asked technical questions regarding:

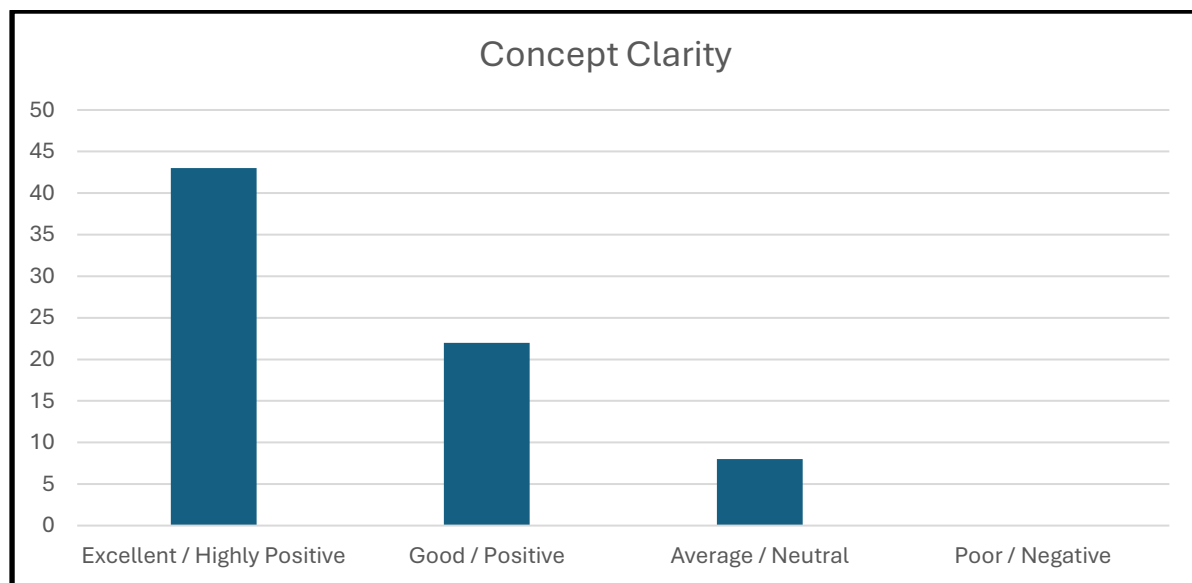
- The legal implications of penetration testing.
- The transition from a developer role to a security analyst role.
- Resources for learning advanced exploit development.

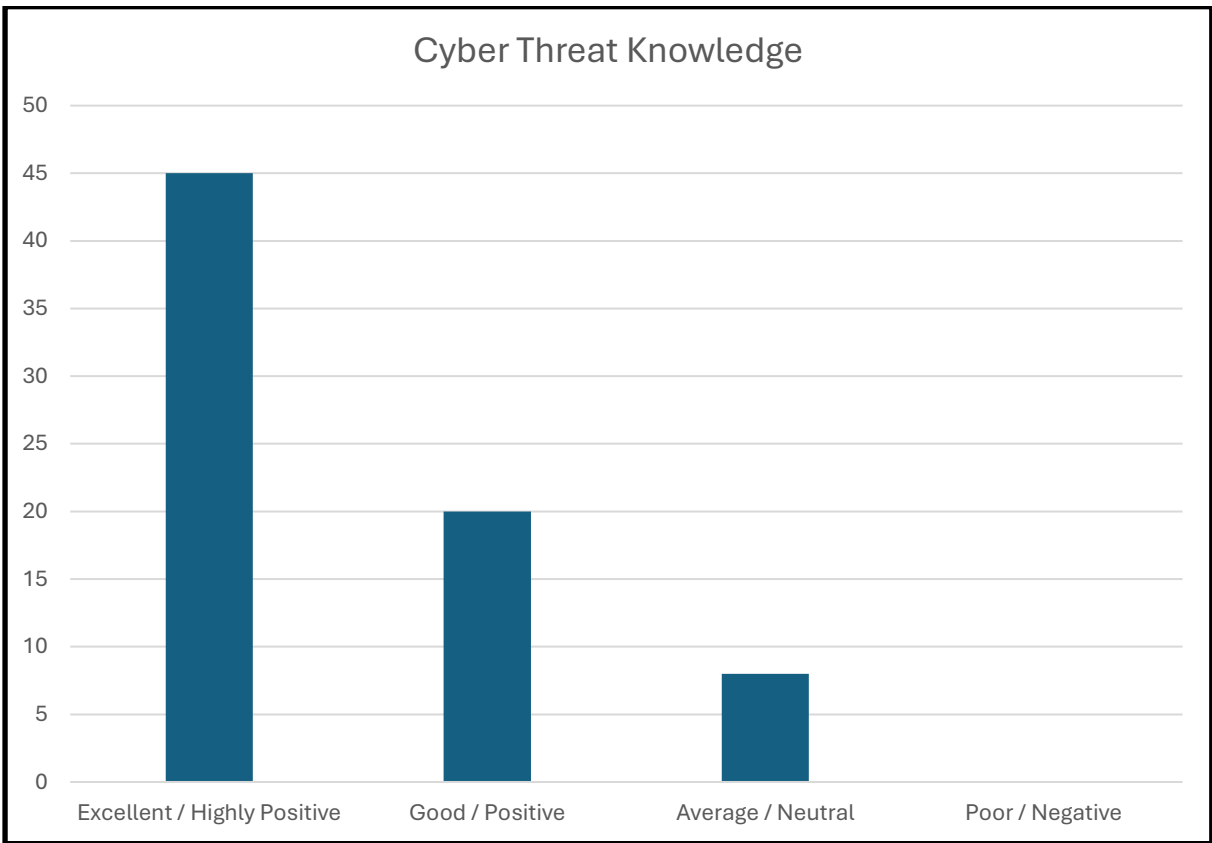
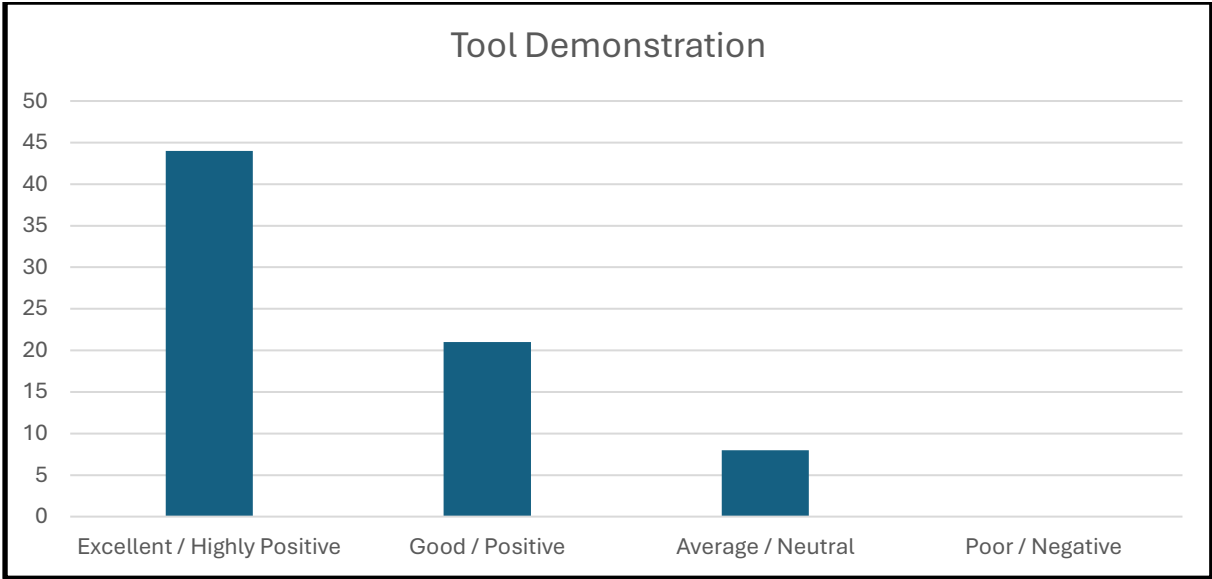
5. Conclusion

The industrial lecture was highly successful in providing students with a "front-line" perspective on cybersecurity. By interacting with an industry professional like Mr. Sanaboyina Ahrit Kumar, students gained clarity on the skills required to protect digital infrastructures. The Department of Computer Science extends its gratitude to Avishkar Tech Solutions for their contribution to the students' professional development.

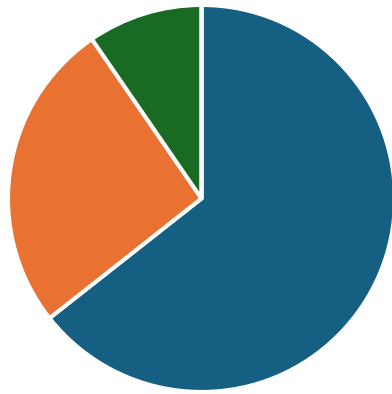
Feed Back:

The feedback from students indicates that the session was highly informative, well-organized, and relevant to current industry trends. Most participants appreciated the clarity of the speaker and the practical demonstrations, which enhanced their understanding of the topic. Overall, the lecture was well-received and proved beneficial for students' academic and career development.



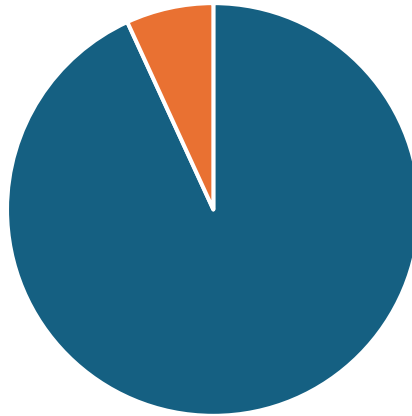


Overall Satisfaction



■ Excellent ■ Good ■ Average ■ Poor

Future Sessions (Yes)



■ yes ■ No

SANABOYINA ASHRIT KUMAR

Email: sanaboyinaashritkumar@gmail.com

Contact Number: 9615773777

CAREER OBJECTIVE:

Seeking a position in a competitive and growth oriented environment where my skills, knowledge and enthusiasm can be effectively utilized for the everlasting success of the organization.

EDUCATIONAL DETAILS:

B.Tech (Computer Science and Engineering)

Guru Ghasidas Vishwavidyalaya (Central University), Bilaspur, C.G.

Year of Completion: 2023

CGPA: 8.11

Intermediate (M.P.C.)

Tirumala Junior College, East Godavari

Board of Intermediate Education, Andhra Pradesh

Year of Completion: 2019

CGPA: 8.88

Secondary School (SSC)

Dr. KKR Gowtham School, East Godavari

Board of Secondary Education, Andhra Pradesh

Year of Completion: 2017

CGPA: 9.5

TECHNICAL SKILLS:

- **Programming Languages:** Basics of python.
- **Technical Skills:** Html.
- **Technical Tools:** Burpsuite, Nmap, Wireshark, Metasploit, THC Hydra, Crunch, Nessus.
- **Operating System:** Windows, Kali linux, Ubuntu, Metasploitable and Parrot.

CYBER SECURITY SKILLS:

- Expertise in Networking protocols like OSI Layers, Https, SSL and FTP protocols.
- Well practiced in Nessus tool for vulnerable management purpose and Executed well known scripts used in Nmap for weak cryptographic suites and open ports.
- Practiced Burpsuite and Metasploit tool for penetration testing for bypassing the Web application.

PROJECT:

- **SE-ENC: A Secure and Efficient Encoding Scheme using Elliptical Curve Cryptography**
In this project was done in Btech 3rd year on 6th semester as minor project by providing the security on data by mapping the data to numerical values and mapped on elliptical curve for the secure transmission on data . In this project my invention is to implement new advance technique on Authentication Scheme by providing complete CIA triads .

PROFESSIONAL EXPERIENCE :

Penetration Tester

Amaravathi Software Innovations Pvt Ltd, Rajamahendravaram

Jun 2023 – Present

- Conducted web application and network penetration testing using tools like Burp Suite, Nmap, Metasploit, and SQLmap.
- Identified and exploited vulnerabilities including SQL Injection, XSS, CSRF, and authentication flaws.
- Created detailed vulnerability assessment reports and worked with development teams on remediation.
- Performed black-box, white-box, and gray-box testing for internal and client-facing applications.
- Utilized Kali Linux, Nessus, and Wireshark for in-depth security assessments.

Part-Time Cyber Security & Ethical Hacking Instructor

Amaravathi Software Training Institute, Rajamahendravaram

Jul 2023 – Present

- Trained students in ethical hacking, vulnerability scanning, and exploit development.
- Delivered hands-on labs using Kali Linux, Metasploit, Hydra, and Hack The Box.
- Taught OWASP Top 10, basic malware analysis, password cracking, and CTF challenges.
- Conducted workshops, CTFs, and certification mentoring (CEH, Security+ basics).
- Guided students through platforms like DVWA, Hack The Box, and TryHackMe.

INDUSTRIAL EXPOSURE :

Industrial Visit to Software Technical Park India (STPI) , Bhilai .

EXTRA CURRICULAR :

- Associated with National Service Schema(NSS), GGV Bilaspur, to promote sustainability.

INTERESTS:

- Playing Games .
- Learning New Technologies.

LANGUAGES KNOWN:

- English , Hindi and Telugu

DECLARATION

I do hereby declare that the above given statements are true and correct to the best of my knowledge.

Date:

Signature:

Place:

(SANABOYINA ASHRIT KUMAR)



Resource Person Demonstrating Cyber Security



Resource person Interacting with Students

BROCHURE

GOVERNMENT COLLEGE



An Autonomous Institution Since 2000 :: RAJAHMUNDRY, ANDHRA PRADESH, INDIA

DEPARTMENT OF COMPUTER SCIENCE



INDUSTRY EXPERT LECTURE SERIES

Invited talks by Industry Experts-
Preparing Students for
Internships/ Jobs

Date: 17-12-2025

ORGANIZED

BY

Department of Computer Science

FOR FINAL YEAR STUDENTS



PARTICIPANTS

Industrial Lecture Series Cyber Security and Ethical Hacking Student attendance

Date: 21 December 2025

Sno	Student name	Group	Signature
1.	Kadiyala veesakalyatejaswi	B.Sc (AI)	K. Tejaswi
2.	Kocherla Sampathkumari	B.Sc (AI)	K. Sampathkumari
3.	Pathri Deepthi Sri	B.Sc (AI)	P. Deepthi Sri
4.	Pentumarri Sai Sri Eswari	B.Sc (AI)	P. S. Eswari
5.	GONGADA GOWTHAM KUMAR	B.Sc (AI)	G. G. Kumar
6.	M. Deepthi Sri Masudhathi	B.Sc (AI)	M. Deepthi Sri
7.	A. Naga Narasimha	B.Sc (AI)	A. Naga Narasimha
8.	G. Yakobu	B.Sc (AI)	G. Yakobu
9.	S. Sai Ramesh	B.Sc (AI)	S. Sai Ramesh
10.	J. V. S. Sai Ram	B.Sc (AI)	J. V. S. Sai Ram
11.	M. Shyam Babu	B.Sc (AI)	M. Shyam Babu
12.	P. Anji Babu	B.Sc (AI)	P. Anji Babu
13.	Y. Sai Manikanta	B.Sc (AI)	Y. Sai Manikanta
14.	P. Durga Kothire	B.Sc (AI)	P. Durga Kothire
15.	Mandapapudhy Vinay	B.Sc (AI)	M. Vinay
16.	V. Ranjith Kumar	B.Sc (AI)	V. Ranjith Kumar
17.	S. Durga Prasad	B.Sc (H) AI	S. Durga Prasad
18.	G. Pandu	B.Sc (H) AI	G. Pandu
19.	M. Sri Rama Lakshmi	B.Sc (H)	M. S. R. Lakshmi
20.	A. Satya Sri	B.Sc (H)	A. Satya Sri
21.	Ch. Chaitanya Choudhary	B.Sc (H)	Ch. Chaitanya Choudhary
22.	M. Sandhya	B.Sc (H)	M. Sandhya
23.	D. V. S. Pavan	B.Sc (H)	D. V. S. Pavan
24.	A. Mahalakshmi	B.Sc (H)	A. Mahalakshmi
25.	M. Lalshankar Rao	B.Sc (H)	M. Lalshankar Rao

**Industrial Lecture Series
Cyber Security and Ethical Hacking
Student attendance**

Date: 21 December 2025

Sno	Student name	Group	Signature
1.	Ch. Sai Saranya	Bsc (cs) 1 st year	Ch. S. Saranya
2.	B. Pusnima	Bsc (cs) 1 st year	B. Pusnima
3.	D. Sriyodha Evanjilin	BSC (CS) 1 st year	D. Sriyodha Evanjilin
4.	E. Sri Satya Durga	BSC (CS) 1 st year	E. S. S. Durga
5.	CH. NANDINI (AKSHMI)	BSC (CS) 1 st year	Chalabudulafubul
6.	Y. pavan Siva Surya	Bsc (cs) 1 st year	Sua
7.	P. Purni Durga Lakshmi	Bsc (cs) 1 st year	P. P. D. Lakshmi
8.	B. Ratna Kiran	BSC (CS) 1 st year	B. Kiran
9.	S. Rakesh	BSC (CS) 1 st year	S. Rakesh
10.	T. Rohini	BSC (CS) 1 st year	T. Rohini
11.	K. Ratna Kumari	BSC (CS) 1 st year	K. Ratna Kumari
12.	Ch. Ramya	BSC (CS) 1 st year	Ch. Ramya
13.	M. Sanjana	BSC (CS) 1 st year	M. Sanjana
14.	B. Kanchana poosa	BSC (CS) 1 st year	B. Kanchana poosa
15.	B. N. Ch. Subbalakshmi	BSC CS	B. N. Ch. Subbalakshmi
16.	B. Lakshmi	BSC [CS]	B. Lakshmi
17.	S. Deepika	B. Sc (CS)	S. Deepika
18.	J. Veera Akshita	B. Sc [CS]	J. V. Akshita
19.	G. Varalakshmi Devi	B. Sc (CS)	G. Varalakshmi Devi
20.	S. Sanjana	B. Sc (CS)	S. Sanjana
21.	CH. SRILATHA	B. Sc (CS)	SRILATHA
22.	Y. Satya durgadevi	B. Sc (CS)	Y. Satya durgadevi
23.	K. Uma Jagadeeshwari	B. Sc (CS)	K. Uma Jagadeeshwari
24.	K. Durga Bhavani	B. Sc (CS)	K. Durga Bhavani
25.	A. Vijayakavya	BSC (CS)	A. Vijayakavya

**Industrial Lecture Series
Cyber Security and Ethical Hacking
Student attendance**

Sno	Student name	Class	Signature
1	M. Rohit	Bsc (Computer science)	M. Rohit
2	U. Prasantha Kumar	Bsc (Computer science)	U. Prasantha Kumar
3	K. Sai Krishna	Bsc (Computer science)	K. Sai Krishna
4	R. Akash	Bsc (Computer science)	R. Akash
5	R. Jaya Siddhartha	Bsc (Computer science)	R. J. Siddhartha
6	M. Dinesh Karthik	Bsc (Computer Science)	M. Dinesh Karthik
7	S. Akhil Teja	Bsc (Computer science)	S. Akhil Teja
8	G. Santosh	Bsc (Computer science)	G. Santosh
9	U. Raju	Bsc (Computer science)	U. Raju
10	K. Veera Babu	Bsc (Computer science)	K. Veera Babu
11	V. Anil Durga Manikanta	Bsc (Computer science)	V. Anil Durga Manikanta
12	G. Veera Lakshmi Narayana	Bsc (Computer science)	G. V. Narayana
13	K. Nanda Krishna Reddy	Bsc (Computer science)	K. N. Krishna Reddy
14	P. Srinivas	Bsc (Computer science)	P. Srinivas
15	P. Sunil	"	P. Sunil
16	P. Sai Teja	Bsc (Computer science)	P. Sai Teja
17	B. Jesika	Bsc (Computer science)	B. Jesika
18	A. Sowmya Sri	Bsc (Computer science)	A. Sowmya Sri
19	K. Vijaya Durga	(Bsc Computer science)	K. Vijaya Durga
20	J. Pavani Sri	(Bsc Computer science)	J. Pavani Sri
21	S. Reshma	BSC C.S	S. Reshma
22	N. Bhavan?	BSC (C.S)	N. Bhavan?
23	Ch. Ishwani	BSC (C.S)	Ch. Ishwani