



# NEW HORIZON COLLEGE OF ENGINEERING

**Event Name: Workshop on Cybersecurity, Networking and Wireshark**

Organised by

Department of MCA in Association with CSI

**Date:** 24<sup>th</sup> April 2025

**Venue:** B 308

## **Brief Description of the Event**

### **Introduction**

A workshop on Cybersecurity, Networking, and Wireshark was organised for MCA students to provide practical and theoretical knowledge about modern network security practices and packet analysis tools. The session was conducted by Mr. Shivraj Pujari from Zscaler, Bangalore, an expert in cloud security and networking solutions. The workshop aimed to bridge the gap between academic learning and industry requirements in the field of cybersecurity.

### **Objectives of the Workshop**

The main objectives of the workshop were:

- To introduce students to the fundamentals of networking.
- To create awareness about cybersecurity threats and preventive measures.
- To demonstrate the use of Wireshark for network traffic analysis.
- To provide real-world insights into the cybersecurity industry.
- To encourage students to build careers in networking and security domains.

### **About the Resource Person**

Mr. Shivraj Pujari is a professional associated with Zscaler, Bangalore. Also an esteemed alumnus of the MCA Department, NHCE, and a proud First Rank holder. He shared valuable industry experience and explained how organisations secure their networks using cloud-based security solutions. His practical examples helped students understand the importance of cybersecurity in today's digital world.

## **Key Topics Covered**

### **1. Fundamentals of Networking**

The session began with the basics of networking, including:

- Types of networks (LAN, WAN, MAN)
- IP Addressing and Subnetting
- OSI and TCP/IP Models
- Routers, Switches, and Firewalls
- Data Transmission Process

Students learned how devices communicate over networks and how internet traffic flows.

### **2. Introduction to Cybersecurity**

Mr. Shivraj explained the importance of protecting systems and networks from cyber threats.

The following threats were discussed:

- Phishing Attacks
- Malware and Ransomware
- Password Cracking
- Social Engineering
- Data Breaches

He also explained best security practices such as:

- Using strong passwords
- Multi-factor authentication
- Regular software updates
- Safe browsing habits
- Data backup strategies

### **3. Wireshark Demonstration**

A major highlight of the workshop was the hands-on demonstration of Wireshark, a popular network packet analyser tool.

Students were introduced to:

- Capturing live network packets
- Filtering traffic using protocols (HTTP, DNS, TCP, UDP)
- Analysing source and destination IP addresses

- Monitoring suspicious activities
- Troubleshooting network issues

The live demo helped students understand how data packets move across a network.

### **Interactive Session**

The workshop included an interactive Q&A session where students asked questions related to:

- Career opportunities in cybersecurity
- Required certifications
- Ethical hacking concepts
- Real-time cyberattack scenarios
- Networking career roadmap

Mr. Shivraj answered all queries patiently and motivated students to continuously upgrade their technical skills.

### **Benefits to MCA Students**

The workshop was highly beneficial because students gained:

- Practical exposure to industry tools like Wireshark
- Better understanding of networking concepts
- Awareness of current cyber threats
- Knowledge of career paths in cybersecurity
- Confidence to explore ethical hacking and network security fields

### **Conclusion**

The workshop on Cybersecurity, Networking and Wireshark by Mr. Shivraj Pujari from Zscaler, Bangalore was highly informative and engaging. It successfully enhanced the technical knowledge of MCA students and inspired them to pursue careers in cybersecurity and networking. Such workshops are essential for developing practical skills and preparing students for industry challenges.

No of Participants: 40

Winners (if any, for activities conducted):NA

Guest Details (Name, Designation, Organisation, Location):

Mr. Shivraj Pujari

Product Support Specialist, ZScalar, Bangalore



Workshop

# Cybersecurity, Networking and Wireshark

📅 24<sup>th</sup> April 2026

🕒 09:00 AM - 12:00 PM

📍 B 308,  
Sardar Vallabhabhai Patel Block

👥 4<sup>th</sup> Semester MCA Students



**Mr. Shivaraj Poojary**  
Product Specialist L3  
Zscaler

Coordinator

**Mr. Govindaraj M**

Senior Assistant Professor - MCA

Convenor

**Dr. V Asha**

Professor and HoD - MCA

Organised by

Department of Master of Computer Applications

## Photos





New Horizon College  
Of Engineering  
Vishveshwaraya Block,  
24 Apr 2026 12:14 pm

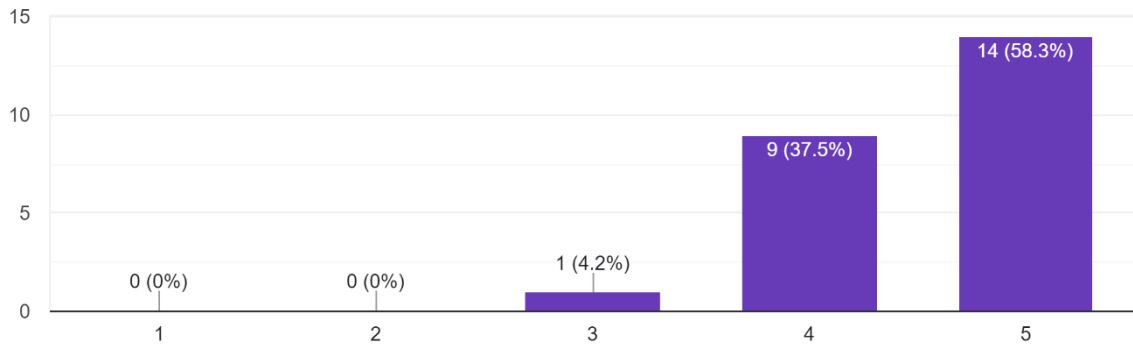
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## Feedback

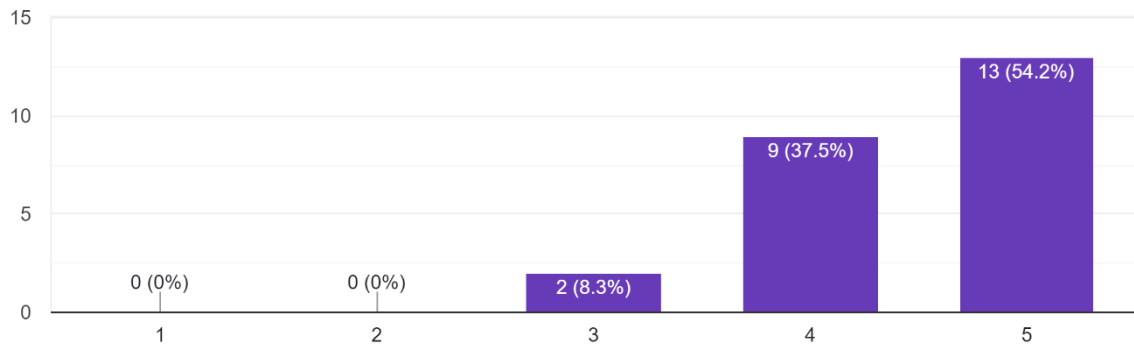
Quality of the content of the session.

24 responses



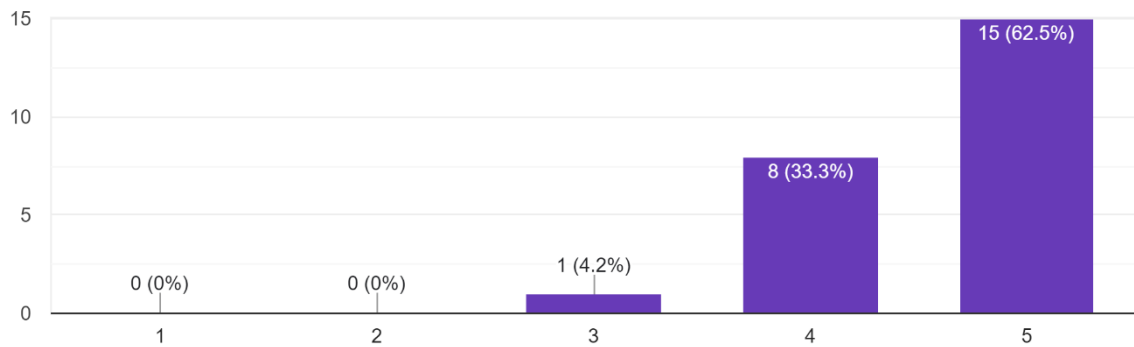
### Clarity of the presentation.

24 responses



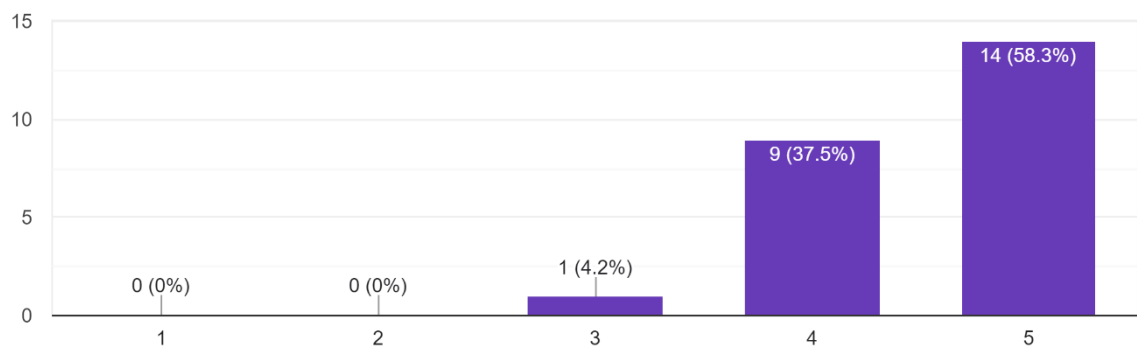
### Effectiveness of the examples depicted during the session.

24 responses



### Rate the relevance of the topic to future study and work.

24 responses



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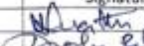
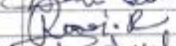
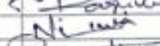



Department of MCA

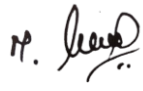
Workshop on Cybersecurity, Networking & Wireshark

Date: 24.04.2026

Attendance Sheet

Sl. No.	USN	Name	Signature
1	INH24MC033	Brindu Reddy C	
2	INH24MC016	Anulya MN	
3	INH24MC043	Disha Dey	
4	INH24MC032	Shavyam	
5	INH24MC045	Dhoya N. Shivanig	
6	INH24MC165	Jyothi N. Saravamba	
7	INH24MC027	Bammidi Vanshitha	
8	INH24MC164	Harsitha K	
9	INH24MC039	Dakshayani Gond	
10	INH24MC029	Bhagavati	
11	INH24MC063	Likhana G	
12	INH24MC090	Nikitha P	
13	INH24MC074	MeenaKshi J.H	
14	INH24MC166	Venkatesh P	
15	INH24MC104	R. Manogna	
16	INH24MC102	Breetham KM	
17	INH24MC095	P. Delhi Babu	
18	INH24MC094	Nitish Kumar	
19	INH24MC086	Neel Johnson A	
20	INH24MC108	Ravi Shankar	
21	INH24MC096	PIYUSH	
22	INH24MC145	TEJAS K M	
23	INH24MC147	Thirupathi M.V	
24	INH24MC005	Adhiksha P	
25	INH24MC153	Vaishnavi V.P	
26	INH24MC114	Sakshi Saha	
27	INH24MC109	Soanclara Parvatha	
28	INH24MC054	Kaushik A	
29	INH24MC103	Zubair Khan	
30	INH24MC123	Charlata Bunnalli	
31	INH24MC053	Karishka B	
32	INH24MC076	Mithesh	
33	INH24MC087	Nidude Mishra	
34	INH24MC089	Nikhitha CS	

Sl. No.	USN	Name	Signature
35	1NH24MCO92	Nischitha K N	
36	1NH24MCO95	P Dali Babu	
37	1NH24MCO97	Poorvi R	
38	1NH24MCO98	Praywal B	
39	1NH24MCO99	Nikshita	
40	1NH24MCO10	Prathana R	



Faculty Coordinator

Govindaraj M



HoD-MCA

Dr. Asha V

Head of the Department  
 Department of Master of Computer Applications  
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