

## Report on Industrial Visit to Network Bulls

Department of Computer Science, University of Delhi

Date of Visit: 18 Feb 2025

Venue: Network Bulls, Gurugram

### 1. Introduction

The Department of Computer Science, University of Delhi, organized an industrial visit to **Network Bulls**, a leading institution specializing in networking training and industry-based learning. The visit aimed to provide students with hands-on experience in computer networking, bridging the gap between theoretical knowledge and real-world applications.

### 2. Objective of the Visit

The primary objectives of the industrial visit were:

- To gain practical insights into networking concepts such as **DHCP, ARP, and Wireshark**.
- To understand how networking devices like **hubs, switches, and routers** function in real-world scenarios.
- To enhance students' understanding of network security, protocols, and troubleshooting techniques.
- To interact with industry experts and explore career opportunities in networking.

### 3. Session Highlights

The session was led by **Pramod Singh, Head – Training and Corporate Relations at Network Bulls**, who provided an engaging and informative session. The key highlights of the visit included:

- **Theoretical Explanation:** Introduction to networking protocols and their real-world applications.
- **Hands-on Training:** Students worked with networking devices such as **switches and routers**, analyzing network traffic using **Wireshark**.
- **Practical Demonstrations:** Live demonstrations of **DHCP (Dynamic Host Configuration Protocol)** and **ARP (Address Resolution Protocol)**.
- **Industry Insights:** Discussion on career prospects in networking and required certifications like **CCNA, CCNP, and CCIE**.

### 4. Faculty and Student Participation

The visit was successfully organized under the guidance of our esteemed faculty members:

- **Neelima Ma'am**
- **Bharti Ma'am**
- **Dilip Sir**
- **Vasudha Ma'am**
- **Reena Ma'am**

Students actively participated in the discussions and practical sessions, gaining hands-on experience with industry-standard networking tools and equipment.

## 5. Key Takeaways

- Enhanced understanding of **network protocols and security mechanisms**.
- Hands-on exposure to **network troubleshooting and monitoring tools**.
- Awareness of **industry demands and career opportunities** in networking.
- Practical experience with **network infrastructure setup and analysis**.

## 6. Conclusion

The industrial visit to **Network Bulls** was an enriching experience, equipping students with valuable technical skills and industry knowledge. It served as an excellent opportunity to understand the **practical aspects of networking**, reinforcing classroom learning with real-world exposure.

We extend our gratitude to **Network Bulls** for hosting this insightful session and to **Pramod Singh** for sharing his expertise. A special thanks to our professors for their support and guidance in making this visit a success.

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**Prepared by:** Bharat

**Department of Computer Science, University of Delhi**