



## **Moodlakatte Institute of Technology**

(A Unit of Moodlakatte Nagarathna Bhujanga Shetty Trust (R.))

(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)

Moodlakatte - 576 217, Kundapura Taluk, Udupi District, Karnataka

### **Department of AI&ML**

**11/02/2025**

### **INDUSTRIAL VISIT REPORT**

#### **Visit to Centre of Excellence – Cyber Security Center, MAHE, Manipal**

**Date:** 11th February 2025

**Organized by:** MIT Kundapura

**Faculty Members:** Dr. Indra Vijay Singh, Sri Nidhi

**Number of Students:** 30 (AI & ML, MIT Kundapura)

#### **Objective of the Visit:**

The purpose of the industrial visit was to provide students with practical exposure to cybersecurity technologies, tools, and techniques used in real-world applications. The visit aimed to enhance their knowledge of cyber threats, security measures, and the role of cybersecurity in various industries.

#### **Overview of the Visit**

The visit commenced with a welcome address by the faculty and staff at the **Center of Excellence – Cyber Security Center, MAHE, Manipal**. The session was conducted by cybersecurity experts Prof. Srikanth Parbhu, who provided an in-depth understanding of various aspects of cybersecurity, including:

- ✦ Fundamentals of Cyber Security
- ✦ Ethical Hacking and Penetration Testing
- ✦ Cryptography and Network Security
- ✦ Cyber Threats and Incident Response
- ✦ Cyber Forensics and Investigations

#### **Key Learnings and Demonstrations**

The students were given hands-on exposure to several cybersecurity tools and techniques, such as:

- ✦ **Wireshark** – For network traffic analysis
- ✦ **Metasploit** – For penetration testing and vulnerability assessment

- ②
- ✦ **Kali Linux** – For ethical hacking demonstrations
  - ✦ **Cyber Range Simulations** – To understand real-time cyber attack scenarios and defense mechanisms
  - ✦ **Digital Forensics Tools** – Used for investigating cyber crimes and data recovery

The experts also discussed current trends in cybersecurity, career opportunities, and the significance of AI & ML in enhancing cybersecurity measures.

### **Interaction and Q&A Session**

Students actively engaged in discussions with the experts, seeking clarifications on various cybersecurity concepts. The Q&A session covered topics like ransomware attacks, blockchain security, AI in cybersecurity, and ethical hacking as a career path.

### **Conclusion:**

The industrial visit to the **Center of Excellence – Cyber Security Center, MAHE, Manipal** was highly informative and insightful. It provided students with valuable industry exposure and practical knowledge, bridging the gap between theoretical concepts and real-world applications. The visit enriched their understanding of cybersecurity and its growing importance in today's digital landscape.

### **Acknowledgment**

We extend our gratitude Prof. Srikanth Parbhu, to the experts at MAHE, Manipal, for their time and valuable insights and facilitating this educational visit and providing students with an opportunity to explore the field of cybersecurity in depth.

### **Prepared by:**

(Dr. Indra Vijay Singh)  
Head and Dean, R&C

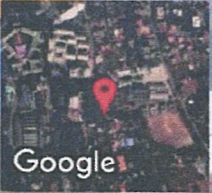
**Date:** 11th February 2025

Some photographs have been taken during visit are given as follows:

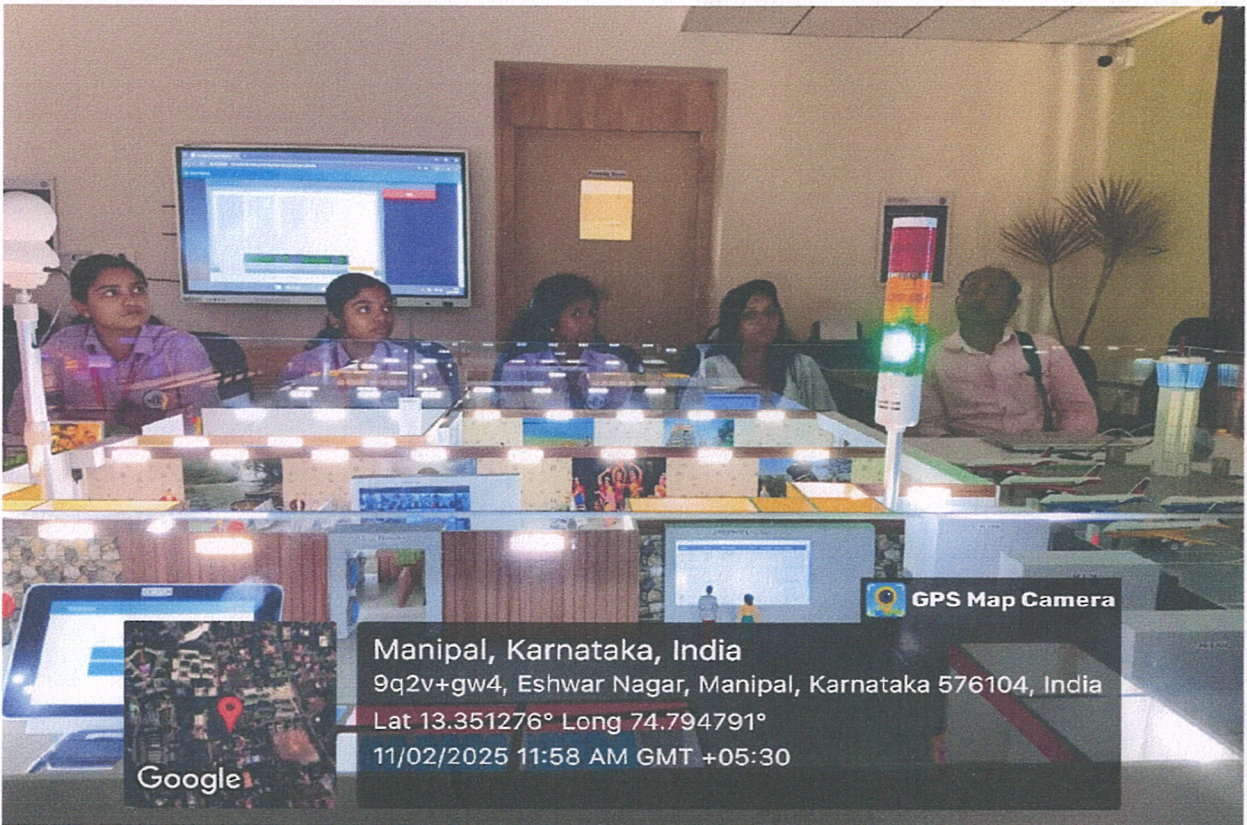


3

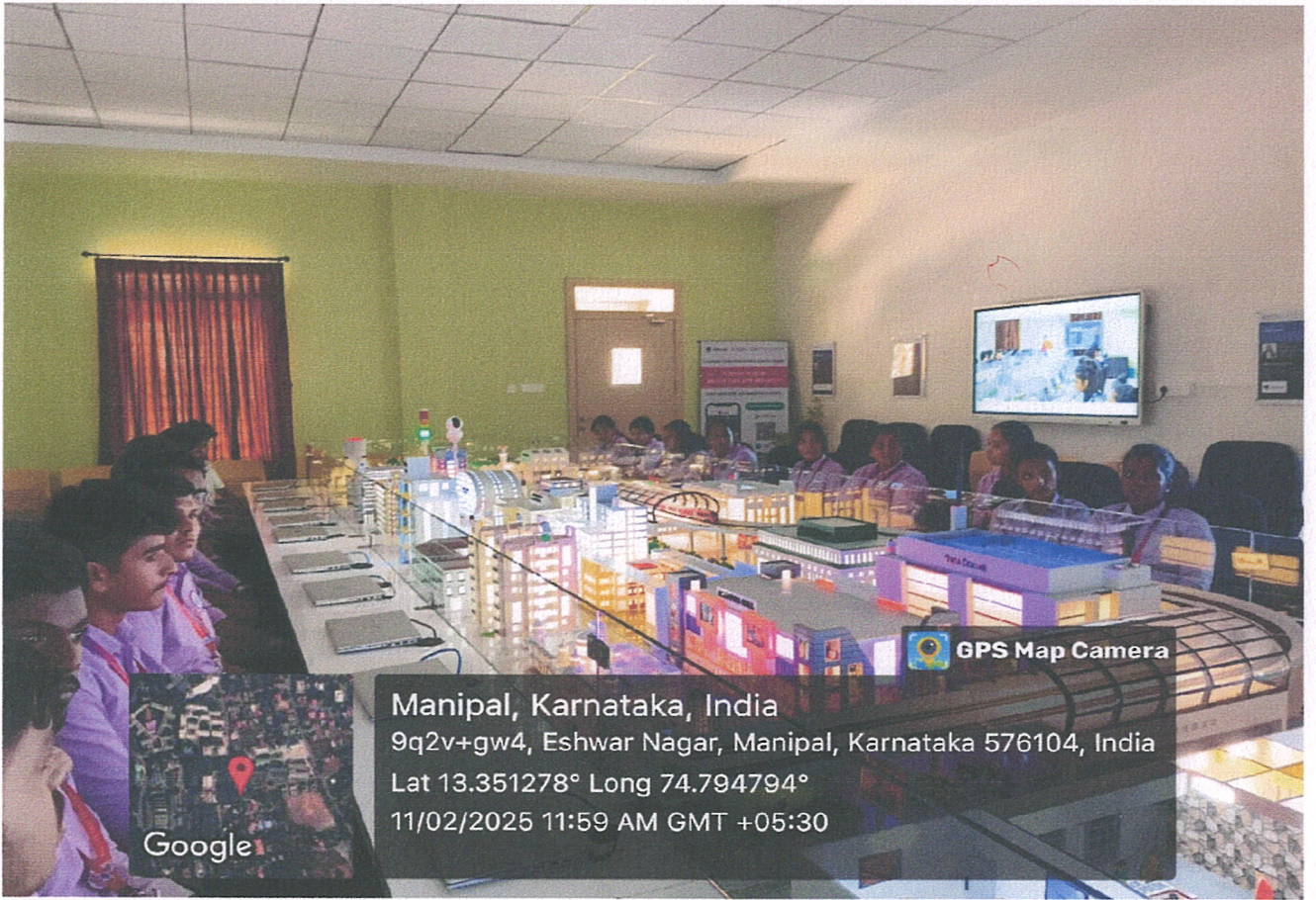




Manipal, Karnataka, India  
9q2v+gw4, Eshwar Nagar, Manipal, Karnataka 576104, India  
Lat 13.351278° Long 74.794792°  
11/02/2025 11:58 AM GMT +05:30



Manipal, Karnataka, India  
9q2v+gw4, Eshwar Nagar, Manipal, Karnataka 576104, India  
Lat 13.351276° Long 74.794791°  
11/02/2025 11:58 AM GMT +05:30



Manipal, Karnataka, India  
9q2v+gw4, Eshwar Nagar, Manipal, Karnataka 576104, India  
Lat 13.351278° Long 74.794794°  
11/02/2025 11:59 AM GMT +05:30

18



*[Signature]*  
12/02/2025  
Dean - Research & Consultancy  
Moodlakatte Institute of Technology  
Kundapura - 576 217