



GHARDA INSTITUTE OF TECHNOLOGY



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Department of CSE (AIML)

INDUSTRIAL VISIT REPORT

Industrial Visit Report
Department of CSE-AIML
Gharda Institute of Technology
Visit to Cyber Sanskar and Sahyadri Farms, Nashik
Visit Date: February 3-5, 2025
Report Submission Date: February 17, 2025

Introduction

As part of the academic curriculum, an **industrial visit** was organized for **Second-Year (SE) and Third-Year (TE) students** of the **CSE-AIML department** to **Cyber Sanskar and Sahyadri Farms** in **Nashik, Maharashtra**. The visit included **21 students, 2 faculty members, and 1 lab assistant**. The primary objective of this visit was to provide students with practical exposure to **cybersecurity innovations** and **technology-driven agricultural practices**. This report highlights the key takeaways from the visit and how it contributed to the students' academic and professional growth.

Visit to Cyber Sanskar

Date: February 3, 2025
Location: Nashik, Maharashtra

Company Overview

Cyber Sanskar is a leading **cybersecurity training and consulting firm** dedicated to educating professionals and students about digital threats and security measures. Founded by **Dr. Tanmay S. Dikshit**, an expert in ethical hacking and digital forensics, **Cyber Sanskar** focuses on **cyber awareness, penetration testing, AI-driven security solutions, and digital forensics**.



Key Learnings from the Visit

1. Understanding Cyber Threats

- **Phishing Attacks** – Deceptive emails and websites used to steal sensitive information.
- **Ransomware Attacks** – Malicious software that locks files and demands payment.
- **Identity Theft** – Unlawful use of personal data for fraud.
- **Social Engineering Attacks** – Psychological manipulation to gain confidential access.

2. Best Practices for Cybersecurity

- Implementing **strong passwords** and **multi-factor authentication (MFA)**.
- Avoiding **suspicious links and emails** to prevent phishing scams.
- Keeping **software updated** for protection against vulnerabilities.
- Using **VPNs** for secure browsing and **firewalls** for data safety.

3. Incident Response and Digital Forensics

- **Steps after a cyberattack** – Immediate actions to minimize data loss.
- **Reporting cybercrime** – Legal protocols and cybersecurity regulations.
- **Investigating security breaches** – Basics of forensic analysis.

4. Role of AI in Cybersecurity

- **Automated Threat Detection** – AI-powered tools analyzing cyber risks.
- **Machine Learning in Security** – Identifying unusual network activities.
- **Fraud Detection** – AI-driven monitoring systems in banking and e-commerce.

Overall Impact: This visit broadened students' understanding of **cybersecurity principles** and real-world applications of AI in digital protection, preparing them for future challenges in IT security.



Visit to Sahyadri Farms

Date: February 4, 2025

Location: Nashik, Maharashtra

Company Overview

Sahyadri Farms, **India's largest farmer-owned cooperative**, integrates **agriculture, technology, and supply chain management** to create a sustainable ecosystem for farmers. Established in **2010**, it supports over **18,000 farmers across 30,000+ acres**. The company specializes in **sustainable farming, AI-driven agriculture, cold storage logistics, and global food exports**.



Key Learnings from the Visit

1. Food Processing and Packaging

- **AI-based sorting and grading** for produce quality assessment.
- **Vacuum-sealed & barcode-traceable packaging** to maintain freshness.
- **Hygienic, automated food handling** to meet international export standards.

2. Cold Storage and Logistics

- **Humidity-controlled storage** to preserve freshness.
- **Refrigerated transport network** ensuring efficient delivery.

- **Automated inventory tracking** for supply chain optimization.

3. Technology in Agriculture

- **AI-driven crop monitoring** for disease detection.
- **IoT-based sensors** tracking soil conditions.
- **Drones for precision farming**, improving yield efficiency.

4. Farmer Empowerment and Sustainability

- **Fair pricing models**, eliminating middlemen.
- **Training programs for farmers** on modern techniques.
- **Women empowerment initiatives** in agribusiness.
- **Eco-friendly waste management** converting waste into bio-fertilizers.

Overall Impact: This visit highlighted how **technology-driven agriculture** is shaping the future, equipping students with knowledge about **supply chain management, AI integration in farming, and sustainability in agribusiness.**



Sightseeing:

1) Trimbakeshwar Jyotirling Temple



2) Pandav Leni Caves



Conclusion

The industrial visit to **Cyber Sanskar and Sahyadri Farms** was an invaluable learning experience for students, bridging the gap between **theoretical concepts** and **real-world applications** in **cybersecurity and agribusiness**.

- **Cyber Sanskar** enhanced students' understanding of **AI in cybersecurity, ethical hacking, and digital forensics**, preparing them for careers in IT security.
- **Sahyadri Farms** demonstrated how **AI and automation** are **transforming agriculture**, emphasizing the importance of **supply chain efficiency and sustainable farming**.

As a professor at **Gharda Institute of Technology**, I believe this visit has greatly enriched the students' **technical knowledge, industry awareness, and problem-solving skills**, reinforcing the **importance of hands-on learning** in shaping future engineers.

Acknowledgment

We extend our sincere gratitude to:

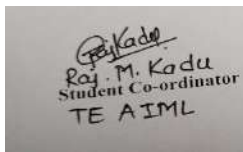
- **Cyber Sanskar and Sahyadri Farms** for hosting and sharing valuable industry insights.
- **Gharda Institute of Technology** for supporting such educational initiatives.
- The **students and faculty members** for their enthusiastic participation and engagement.

Prepared by:

Prof. Tejaswini Hrishikesh Shinge

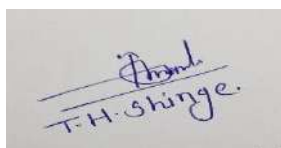
Department of CSE-AIML

Gharda Institute of Technology



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Student Co-ordinator
TE AIML

Student Co-ordinator



T.H. Shinge.

I.V. Co-ordinator



H.O.D.

Official

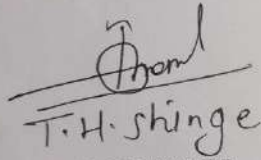
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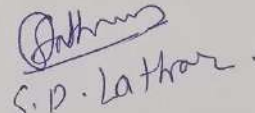
Industrial Visit to Cyber sanskar & Sahyari Farms, Nashik on 2nd February to 5th February 2025 Stents & Staff list

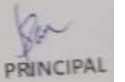
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staff=3


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Industrial Visit Report

1. Introduction

Date of Visit: 30.09.2024

Company Name: Dolphin Labs

Industry: IoT and AI based products

Location: Narhe, Pune

Participants: 38 Students of TE CSE AIML & 4 faculties of AIML department

Purpose of Visit: To make students aware about industry process and culture and also get familiar with latest technologies used in an industry

2. Visit Details

2.1 Activities

- **Arrival Time:** 10 am
- **Introduction Session:** 30 minutes presentation on overview of IoT and evolution of intelligence in various system design development process
- **Factory Tour:**
 - Areas Visited: Design Lab, Modelling Lab, Product demonstration Lab
 - Key Observations: The variety of tools and gadget used in design are explained with some demos. 5 hour hands on experience was given to students with various modeling aspects. Students worked in a group of 5 and designed some handy applications of IoT.

2.2 Interactions

- **Speakers:** Mr. Chittaranjan Mahajan, CEO
- **Topics Discussed:** Role of understanding hardware while dealing with AI

3. Key Takeaways

- **Technological Insights:** Role and use of ESP32 with HTML interfacing
- **Operational Practices:** Product Design and Development Flow
- **Industry Trends:** IoT and AI embedded applications

4. Glimpses

- **Company Visit:**



Briefing on: IoT and AI togetherness



Handson Experience to students



Product Demonstration



Felicitation of Faculties by Dolphin Labs



Team AIML

- **Nearby Visits:** Our team also visited Swaminarayan Temple, Narhe which is nearer to the company location and blessed with awesome environment and temple structure



5. Acknowledgement

Thanks to whole team of Dolphin Labs, Pune for nice cooperations and awesome experience to our students.

Prof. Pratik Oak

IV Coordinator

Prof. Mahesh Khandke

HoD CSE AIML

