

SARVAJANIK UNIVERSITY

Sarvajani College of Engineering & Technology Surat

Information Technology and Artificial Intelligence & Data Science Department

Report on Industrial Visit

to

**elInfochips - An ARROW Company
Ahmedabad**

on

3rd October, 2025

1. Introduction

An industrial visit to eInfochips- An Arrow Company, Ahmedabad, was organized by the Department of Information Technology and Artificial Intelligence & Data Science Department on **3rd October 2025 (Friday) for 3rd-year IT and AI&DS students**.

The objective of this visit was to provide students with practical exposure to product engineering, digital transformation, and innovation in cutting-edge technologies such as IoT, AI/ML, and VLSI design.

The group, accompanied by faculty members, departed from the SCET campus at 4:00 AM and had breakfast en route at Vadodara. The team reached the eInfochips premises at approximately 12:00 PM, where they were warmly welcomed before the session commenced.

2. About eInfochips

eInfochips, an **Arrow Electronics** company, is a global leader in **product engineering and digital transformation services**, with over **25 years of engineering excellence**.

Founded in **1994** by **Mr. Pratul Shroff (CEO)**, the company collaborates with leading global technology firms such as **Microsoft, ARM, Qualcomm, and Intel**.

eInfochips has been recognized by top industry analysts including **Gartner, Zinnov, ISG, IDC, and NASSCOM** for its innovation and leadership in **Engineering R&D services**.

The company's areas of expertise include:

- Internet of Things (IoT)
- Artificial Intelligence & Machine Learning (AI/ML)
- Cloud Computing
- VLSI and Silicon Design
- Security & Surveillance
- Embedded Systems
- Wireless & Connectivity Solutions



Group photograph at eInfochips premises

3. Details of the Visit

Students were first taken to the **Experience Zone**, an exhibition showcasing various products and solutions developed by elnfochips across multiple domains such as **Healthcare, Security, IoT, Aerospace, Home Automation, and Cloud Computing**.

3.1 Healthcare Solutions

Students were introduced to a **portable ultrasound device** developed by elnfochips. The device included a detachable module for remote patient diagnostics, demonstrating innovation in compact medical imaging technology.

3.2 Smart Security Systems

The company showcased **smart door security systems** equipped with fingerprint, passcode, and gesture-based unlocking mechanisms. The demonstration emphasized advancements in **contactless and biometric security**.

3.3 Cloud-Connected Devices

A demonstration of a **wearable smart camera** was provided. The device could attach to various accessories (e.g., goggles) and automatically upload recorded data to the **cloud server** once placed back in its dock, highlighting seamless integration of IoT and cloud technologies.

3.4 Semiconductor and VLSI Design

The team discussed elnfochips' achievements in **silicon chip development**, including the design of **16nm, 7nm, and 5nm chips**, and ongoing R&D for **3nm technology**. Students learned about chip fabrication processes, fault analysis, and the importance of rigorous testing before deployment.

3.5 Other Domains

Products in domains such as **Aerospace, Home Automation, Smart Retail, and Voice-Enabled Devices (like Alexa)** were also showcased, illustrating the company's diverse technological capabilities.

4. Technical Session

After lunch, students attended a **PowerPoint presentation** by company representatives. The session provided an overview of elInfochips' business operations, project workflows, and emerging **career opportunities** in the **VLSI, Embedded Systems, and Software Engineering** domains.

The speakers encouraged students to pursue careers in these high-growth areas and clarified queries related to skill requirements, technology stacks, and industry expectations.

The session concluded with an interactive Q&A followed by a **vote of thanks**.



Faculty and students during the technical session



Faculty and students during the technical session

5. Key Learnings

- Insight into real-world applications of IoT, AI, and semiconductor technology.
- Understanding the importance of innovation and cross-domain integration in product design.
- Awareness of emerging career opportunities in **Engineering R&D** and **Digital Transformation**.
- Exposure to industry-grade workflow and quality assurance processes.

6. Acknowledgment

The Department of Information Technology and Artificial Intelligence & Data Science Department expresses its sincere gratitude to eInfochips Pvt. Ltd., Ahmedabad, for hosting the industrial visit and providing valuable insights into emerging technologies

and real-world engineering practices. The visit greatly enhanced students' understanding of product design, IoT, AI/ML applications, and semiconductor innovation.



Lunch hosted by elnfochips for students and faculty during the industrial visit

Faculty visited:

Prof. Dhaval J. Rana,

Prof. Ashish Chaudhari,

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