



SARVAJANIK UNIVERSITY

Sarvajanik College of Engineering & Technology Surat

Information Technology and
Artificial Intelligence & Data Science
Department

Report on Industrial Visit

to

eInfochips - 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 Al&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 elnfochips premises at approximately 12:00 PM, where they were warmly welcomed before the session commenced.

2. About elnfochips

elnfochips, 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 elnfochips 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

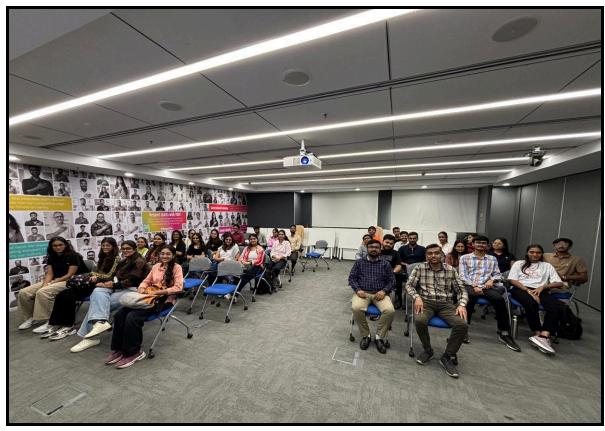
After lunch, students attended a **PowerPoint presentation** by company representatives. The session provided an overview of eInfochips' business operations, project workflows, and emerging **career opportunities** in the **VLSI**, **Embedded Systems**, and **Software Engineering** domains.

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,

Prof. Snehal Kathale

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