



SARVAJANIK COLLEGE OF
ENGINEERING & TECHNOLOGY



Industrial Visit Report to EInfochips, Ahmedabad

(Date: 13/02/2024)

Electronics and Communication Engineering Department

DETAILS OF VISIT

Date : 13th February 2024
Duration : One Day
Faculty coordinator : Dr. Ketki Pathak
Other faculties : Mr. Tejas Desai
Visitors : 44 Students of 4th year E&C Department

COMPANY PROFILE

Company name : eInfochip Pvt. Ltd
Address : Ahmedabad, Gujarat.
Home Page : <http://www.einfochips.com/>
Work Profile : Provides product engineering and semiconductor design services globally

ACKNOWLEDGEMENT

As there is no life without air, without a proper guidance there is no success. By taking the opportunity, on behalf of the entire class We would like to acknowledge and thank Prof. Dr. Ketki Pathak (Class Mentor BTech 4th Year ECC) for guiding all the students in all technical and non-technical stuff and making the entire industrial trip a grand success. We would also like to thank Mr. Tejas Desai, Lab Assistant of EC department for supporting us throughout this industrial visit. We would express our gratitude to Dr. Chirag Paunwala, Head of Department for granting us for the industrial visit.

I would also like to acknowledge the team at eInfochip Pvt. Ltd. for guiding and explaining various technical stuff related to the electric vehicles in an elaborate manner.

Overview:

On 13th February 2024, students from **Sarvajanik College Of Engineering & Technology** embarked on a highly insightful industrial visit to **EInfochips**, located in Ahmedabad, Gujarat. EInfochips, an Arrow company, stands as a prominent global provider of product engineering and semiconductor design services. Boasting a rich portfolio of over 500 products and a global reach with 40 million deployments in 140 countries, EInfochips is a key player driving technological innovations in diverse verticals. The company's service offerings extend to digital transformation and connect Internet of Things (IoT) solutions, covering various cloud platforms such as AWS and Azure.



Purpose of the Visit:

The primary objective of our visit was to gain comprehensive insights into the functioning of the technology and semiconductor design industry. Specifically, we aimed to understand the intricacies of the chip designing process, explore the role of Electronics and Communication (EC) engineers within EInfochips, witness the physical verification of chips, and learn about the gadgets the company has designed over the years.

Itinerary:

1. Introduction to EInfochips: (by Pranav Vyas & Tirth Joshi)

- Overview of the company's global presence, achievements, and its role as an Arrow company.
- Insight into the diverse range of products and services offered by eInfochips Pvt. Ltd.

2. Chip Designing Process: (by Pranav Vyas & Tirth Joshi)

- In-depth explanation of the chip designing process, covering conceptualization, development, and physical verification.
- Live demonstrations showcasing the tools, technologies, and methodologies employed in chip design.

3. Physical Verification of Chips: (by Pranav Vyas & Tirth Joshi)

- Practical session demonstrating the physical verification processes in chip design.
- Interaction with professionals involved in ensuring the integrity and functionality of semiconductor chips.

4. Career Path for EC Engineers: (by Pranav Vyas & Tirth Joshi)

- Presentation on the career opportunities available for EC engineers within EInfochips.
- Discussion on the roles, responsibilities, and skillsets required in the semiconductor design field.

5. Showcase of Gadgets: (by Priyesh Pandya)

- Presentation and hands-on experience with gadgets designed by eInfochips Pvt. Ltd over the years.
- Explanation of the technological innovations and applications behind each showcased gadget.

6. Interactive Sessions:

Q&A sessions with eInfochips Pvt. Ltd. professionals, encouraging students to engage and delve deeper into specific aspects of the industry.

Key Takeaways:

1. Comprehensive Understanding of Chip Designing:

Witnessing the chip designing process, including physical verification, provided a holistic understanding of the complexity and precision involved.

2. Insights into EC Engineers' Role:

Learning about the role of EC engineers within eInfochips Pvt. Ltd highlighted the diverse career paths and responsibilities in the semiconductor design industry.

3. Practical Exposure:

The interactive sessions and hands-on experiences with gadgets offered practical exposure, bridging the gap between theoretical knowledge and real-world applications.

Recommendations:

Based on our visit, we recommend fostering more collaborations between educational institutions and industry leaders like EInfochips to enhance students' exposure to emerging technologies and industry practices.

Summary:

The industrial visit to EInfochips was an invaluable experience that provided students with unique insights into the dynamic world of semiconductor design. We extend our sincere gratitude to the EInfochips team for their warm hospitality, informative sessions, and for sharing their expertise with us.

Group Photo:

A group photo captured during our visit, symbolizing the shared learning experience and enthusiasm of the students.



Attendance

SARVAJANIK EDUCATION SOCIETY			
SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY			
DR. R.K. DESAI MARG,OPP. MISSION HOSPITAL, ATHWALINES, SURAT –395001			
		Industrial Visit(13/2/2024)	
eInfochip Pvt. Ltd., Ahmedabad			
<u>ELECTRONICS & COMMUNICATION ENGINEERING</u>			
B.Tech EC-SEM-6			
Sr. No.	Enrolment No.	Name of the Student	Contact No. (Student)
1	ET21BTEC002	KHUSHI BANKA	9377558845
2	ET21BTEC006	BHATT NIKETKUMAR BHAUTIKBHAI	8200532804
3	ET21BTEC007	BOSAMIYA SARTHAK BIPINBHAI	9904373086
4	ET21BTEC008	CHAUDHARI GNEYA KAMLESHBHAI	7016904551
5	ET21BTEC010	DALAL VANSI OJAS	7486949444
6	ET21BTEC012	DOBARIYA ANSH VALJIBHAI	9173126511
7	ET21BTEC013	DOMADIYA DRASHTI DIPAKBHAI	7434053300
8	ET21BTEC014	DIWANSHI DUGAR	9016048873
9	ET21BTEC015	HARSHIL HIRANBHAI DUMASIA	9825088359
10	ET21BTEC016	FULWALA DHRUVILKUMAR BIMALKUMAR	9081778811
11	ET21BTEC017	GANDHI JEET PRAGNESHKUMAR	9099819189
12	ET21BTEC018	GANDHI NEEL DEVENDRA	9924559965
13	ET21BTEC019	GOHIL PREET NILESHKUMAR	9510875991
14	ET21BTEC020	GOTI SAHILBHAI RAMESHBHAI	9924531994
15	ET21BTEC021	GUJARATHI UMANG SANDEEP	7490000599
16	ET21BTEC022	HARKHANI KHUSHI SANJAYBHAI	9825606300
17	ET21BTEC023	JAIN HARSHIT SANDEEP	9374722634
18	ET21BTEC024	JAIN SAYAM MANOJ	9427821780
19	ET21BTEC025	JANA ANIRBAN ANAND	9106569009
20	ET21BTEC026	JARIWALA RAJ NIRAV	8511185717
21	ET21BTEC027	JHA ADITYANARAYANKUMAR MANOJ	6354088339
22	ET21BTEC028	KHUSHBOO JHA	9904933370
23	ET21BTEC029	JOSHI DEV DIPAK	9725099336
24	ET21BTEC031	KATARIYA OM KIRITBHAI	9316182176

25	ET21BTEC032	KATRODIYA SARTHIK BHARATKUMAR	8160062300
26	ET21BTEC033	KHANPARA NEEL MANSUKHBHAI	9824756249
27	ET21BTEC034	LOKHANDWALA AARYA PRANAVKUMAR	8866231038
28	ET21BTEC035	MAJUMDAR NIYATI MANOJ	6352541199
29	ET21BTEC037	MEVAWALA ALOK GAURANG	7043506570
30	ET21BTEC038	MOGA DHRUMIL VINODBHAI	7229027698
31	ET21BTEC039	DEEPAK NAIR	8128870698
32	ET21BTEC040	VATSA NOTICEWALA	9824945485
33	ET21BTEC041	PANDIT HARSHITA UMASHANKAR	9727229246
34	ET21BTEC049	PATEL PRIYANSHI PIYUSH	9081016780
35	ET21BTEC050	PATEL SUMITKUMAR ASHOKBHAI	9099678946
36	ET21BTEC052	RAI ARCHIE AJAYKUMAR	9898268471
37	ET21BTEC053	RAMANI JEEL NAISHADHBHAI	9023669791
38	ET21BTEC055	PRIYANSH RANDE	8461076888
39	ET21BTEC057	AKSHAY KANTILAL SANTOKI	9825457769
40	ET21BTEC059	SAVANI SHRUTI JAYESHBHAI	9537653793
41	ET21BTEC061	SHAIKH KAMIL MOH NAFEEES	6351038653
42	ET21BTEC062	SWAMI KAVITA DAYAL	9316809084
43	ET21BTEC063	TEJANI CHAHI UDAY	9725696912
44	ET21BTEC064	VYAS SHIVANGI YAGNESHKUMAR	9998219917
45	ET22BTEC801	GANDHI KESHVI HIMANSHUBHAI	8780849490
46	ET22BTEC802	LIMBACHIYA AARCHI JANAKBHAI	6355667612
47	ET22BTEC804	SHAIKH MOHAMMAD HUNAIF MOHAMMAD RIZWAN	9824693752
48	ET22BTEC901	DEVARSHSINH RATHOD	9979679987
49	ET22BTEC902	NAIK PRATHAM BIMALKUMAR	9409118385
	Faculty		
		Dr. Ketki C Pathak	9824063676
		Mr. Tejas Desai	