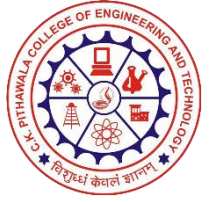


**C. K. Pithawala College of Engineering & Technology, Surat**  
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**Phone : (Pri.) 6542506, (off) 6542507, E mail : [ckpcet@yahoo.co.in](mailto:ckpcet@yahoo.co.in)**



## **Electronics and Communication Department**

# **Report on Industrial Visit**

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**Date:** 1/9/2022 & 2/9/2022

**Faculties on visit:**

Dr. Mita Paunwala (Head and Associate Professor, ECED)

Prof. Sharmila Rana (Adhoc Assistant Professor, ECED)

Prof. Bhumika Patel (Adhoc Assistant Professor, ECED)

**Industrial visit initiation by:**

Dr. Ninad Bhatt (Dean Academic and R&D and Professor, ECED)

Dr. Amisha Shah (Associate Dean Infrastructure planning and Assistant Professor, ECED)

Dr. Vijayendra Desai (Faculty Incharge Media Promotion and Assistant Professor, ECED)

**Venue:**

- 1) E-infochips, an Arrow based company  
Block E, Ratna, 3rd Eye Voice, Ognaj, Ahmedabad – 380060
- 2) Institute for Plasma Research  
Gandhinagar - Ahmedabad Rd, GIDC Bhat, Bhat, Ahmedabad, Gujarat 382428
- 3) Facilitation Centre for Industrial Plasma Technologies (FCIPT, IPR)  
A-10/B, G.I.D.C. Electronics Estate, Sector 25, Gandhinagar, Gujarat 382016

**Day 1: Visit to e infochips, an Arrow based company**

The Electronics and Communication Engineering Department has organised an industrial visit to the various prestige industries such as E infochips, an Arrow base company, IPR, and FCIPT on 1<sup>st</sup> and 2<sup>nd</sup> September 2022.

On September 1, 2022, three staff members and 15 students travelled to Ahmedabad to attend the e infochips and arrived at 10.00 AM at the organization. After a short refreshment the student team went for Technology Capsule Session.

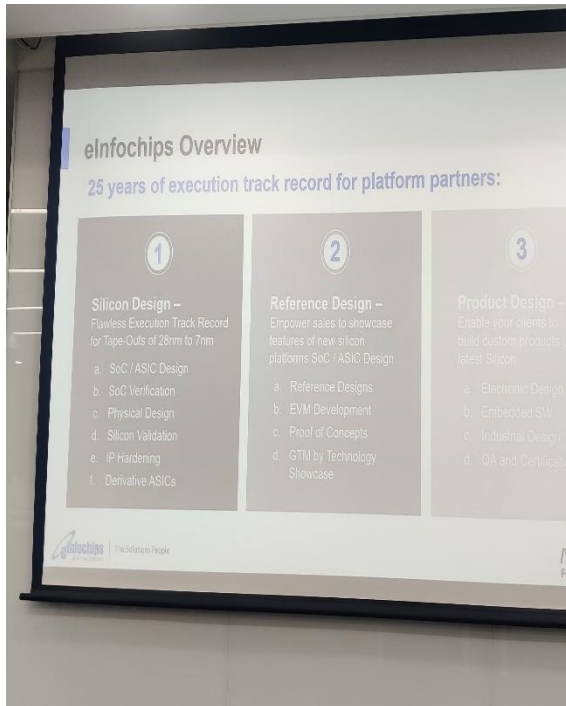
### 10.30 AM to 12.30 PM: (Technology Capsule Session)

Mr. Pranav Vyas provided a detailed overview of the VLSI Fabrication process, its future scope, and their work domain. He has also address associate domains, history and growth of the company.



It was really a very informative session for students, as they gained not only knowledge about the VLSI domain but also about the company and various opportunities in it. Moreover, he shared knowledge about the eiTRA department, where students get training and internships in their organization.





**1.00 PM to 2.00 PM (Lunch at their canteen)**

It was proud moment for us to met our alumni during lunch time. He has shared his journey of e infochips with us.

**2.00 PM to 4.00 PM (Experience Zone Visit )**

Visit of this zone is enjoyed by the students where Mr. Surendra Rajput described various applications and products that were made and developed by e infochips, an Arrow-based company in the last few years. Products were developed in the domains of home automation, aerospace, health care, IC fabrication, and entertainment for clients from India and the US.

After the completion of the technical discussion, faculties of ECC department were Felicited by Ms. Ila Vaghela,physical design engineer and Mr. Surendra Rajput.







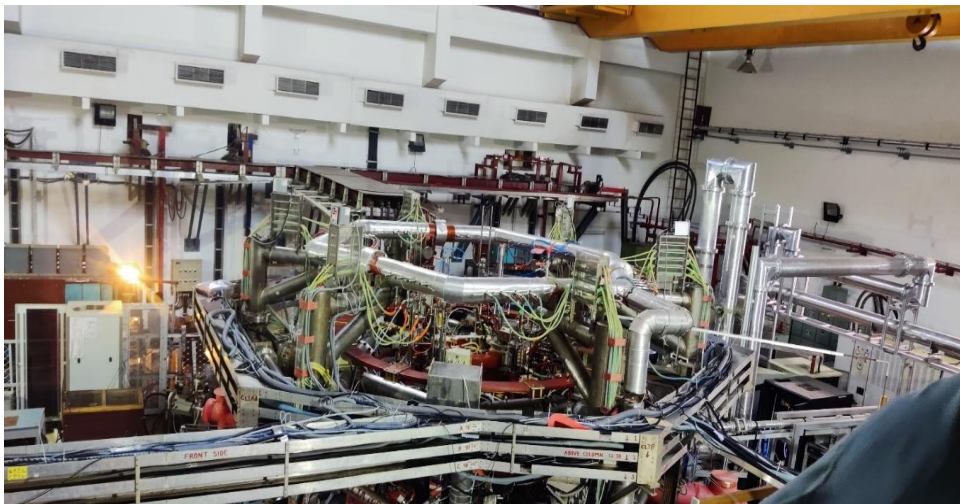
Afterwards, students left the company for night stay at Swami Narayan Temple, Maninagar, Ahmedabad, Gujarat.

### **Day 2: Visit to IPR and FCIPT**

On the 2nd day, in the morning, CKPCET team reached IPR at 9.00 am. Refreshment and the security procedure was completed around 10.00 am. Visit of 2<sup>nd</sup> day start with the introductory lecture by Dr. Mohandas Krishna related to What is plasma, according to the students? How is it generated? What does IPR do? He also encouraged the students to get work with IPR under the various categories like Iter Assembly, Technical Trainee Program, Summer School Program, NFP, and National Science Day. He demonstrated various plasma application models to us like tokomac, how plasma generates light, the effect of medium density change, the effect of magnetism on plasma, plasma using super conductors etc.



Then after CKPCET team visited Aditya and SST-1 labs. In Aditya Lab, India's only Tokomac is placed. They built and tested it with a 400 ms plasma generation experiment. In the SST-1 lab, they generate plasma for a period of 700 ms based on the super conductor mechanism,





CKP team took the lunch at IPR and moved forward to next destination, FCIPT, Gandhinagar.



The team reached Facilitation Centre for Industrial Plasma Technologies (FCIPT, IPR) by 2.30 PM. Dr. Mukesh Ranjan and Mr. Gautam Vadoliya welcome us. He gave an introduction

regarding the organisation and work carried out at FCIPT. Plasma-based industrial applications such as 1) plasma nitriding, 2) plasma pyrolysis, 3) water filtration 4) for space and fibre, 5) We were introduced to textile treatment.

Team has also visited each department of FCIPT where work on different applications was carried out. They are doing collaboration with industries and taking work on lease for nitriding and pyrolysis.

By the evening, at 4.00 pm, we started our journey back to Surat, and it was the end of our very informative, exciting, and joyful industrial visit.



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Prepared By:

Ms. Bhumika Patel

Adhoc Assistant Professor

ECED, CKPCET

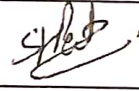
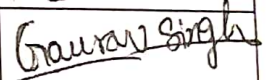
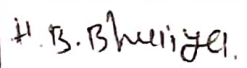
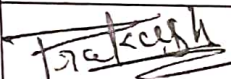
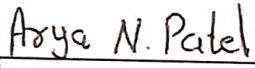
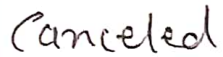

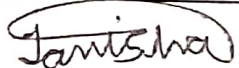

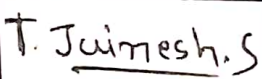





**C.K. Pithawala College of Engineering & Technology, Surat.****Electronics & Communication Department****Undertaking**

Date : 30/08/2022

We the undersigned students of B.E. IV Year 7<sup>th</sup> Semester, B.E. III Year 5<sup>th</sup> Semester and B.E. II Year 3<sup>rd</sup> Semester Electronics and Communication Engineering understand that industrial visit is a part of our study. We hereby giving you undertaking that we will strictly follow the rules and regulations of visiting e-infochip, IPR, ISRO Museum without any misbehavior.

We are going to industrial visit at our own risk. Neither the college management nor the faculty members are responsible for any accident during the trip.

Sr. No.	Enrollment No.	Student Name	Sign
1	190090111005	PATEL SPARSH HITESH	
2	180090111012	SINGH GAURAV BRAMHADEV	
3	210090111007	BHALIYA HARSH BHARATBHAI	
4	210090111005	PRAKASH LALJIBHAI BHUTAIYA	
5	210090111002	PATEL ARYA NARENDRABHAI	
6	210090109014	PATEL AVI UMESHBHAI	
7	210090111001	BALAR MEET ASHOKBHAI	
8	190090111001	KOLADIYA TANISHA CHANDUBHAI	
9	190090111007	SWAIN RAKESH ROHIT	
10	210090111012	TARASARIYA JAINESH SANJAYBHAI	
11	190090111004	PATEL NEHA SANJAYBHAI	
12	210090111008	MANIYA PRIYANK ARVINDBHAI	
13	200090111001	PATEL HET UMESHKUMAR	



14	200090109504	PATEL KETIKUMARI SHAILESHBHAI	<i>Keti</i>
15	200090109506	PATEL NAIMISHA HUPENDRABHAI	<i>Naimisha</i>
16	200090109507	PATIL DIVYESH YOGESHBHAI	<i>Divyesh</i>

Sr. No.	Faculty Name	Sign
1	Dr. Mita C. Paunwala	<i>Mita</i>
2	Prof. Sharmila N. Rana	<i>S. Rana</i>
3	Prof. Bhumika C. Patel	<i>B. Patel</i>

*Mita*  
30/8/22  
(Dr. Mita C. Paunwala)  
(HOD, ECED)



*Anish Gandhi*  
30/08/2022  
(Dr. Anish Gandhi)  
(Principal, CKPCET)  
C. K. Patil College of  
Egg & Tech. Surant.