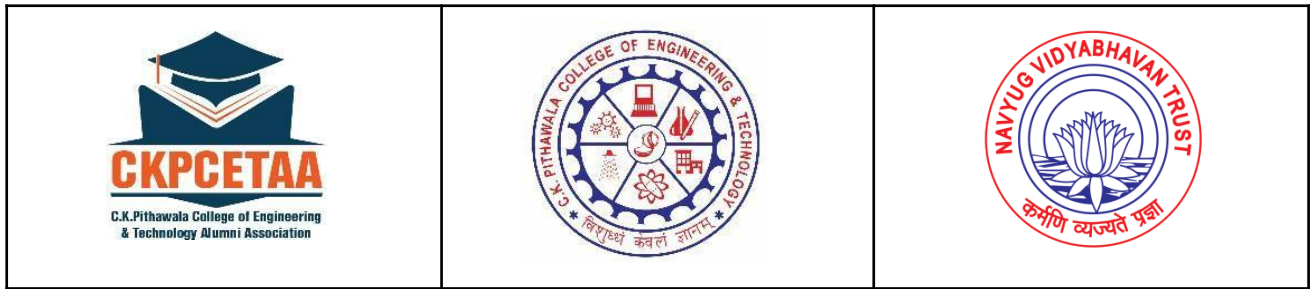


C. K. PITHAWALLA COLLEGE OF ENGINEERING AND TECHNOLOGY ALUMNI ASSOCIATION, SURAT



REPORT OF ALUMNI TALK SERIES

Academic Year 2022-23

Program was scheduled as per the given details

- **Topic** : VLSI Industry trend and bridging gap between Industry-academia
- **Name of Speaker** : Mr. Raj Icecreamwala
- **Date and Time** : 27/9/2022 11:30AM to 1:30 PM
- **Venue** : Online (Via Google Meet)
- **No of Participants** : 25 (including faculties)
- **Faculty coordinator** : Dr. Vijayendra Desai, Dr. Mita Paunwala

Profile of the Speaker :

Lead Engineer, True chip. Alumni student of electronics and communication department (2015)

Event Summary:

This event was organized with the aim to make students aware of the Importance of Hardware in current and upcoming generation Artificial intelligence ,Automotive, Space and defence etc., How many opportunities are available for them in such sectors, What are the prerequisites for the same, and Which type of preparation they need to do. The speaker has not only covered the above points but also gives the idea about the important subjects of course structure of electronics engineering. He interacted with many students in questions and answer sessions where students have asked their practical difficulties and the speaker guided each of them in detail. It was a wonderful experience to have an Alumni student as a speaker and addressing our present and recently passed out students. The strength of attendees are approximately 25. All the students of second to final year have taken part in this webinar.






SNAPS:

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Chip design

- Semiconductor Industry
- Core EC field
- More then 80 years old field
- 1 Gen pc to 5 Gen processor
- From vacuum tube to millions of transistors in single SoC.
- Constasy upgrading field

Five Generations of Computers		
Generations	Generations timeline	Evolving hardware
First generation	1945s-1954s	Vacuum tube based
Second generation	1955s-1964s	Transistor based
Third generation	1965s-1974s	SSI/MSI Integrated circuit based
Fourth generation	1975s-1990s	LSI/VLSI Multiprocessor based
Fifth generation	1991s-present	Advance VLSI super scalar processor, SoC, parallel processing







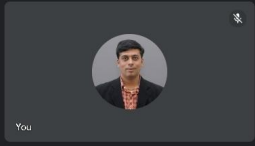
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Challenges for students

- Lake of awareness & exposure
- Moving toward Software or IT
- People started thinking Decline EC
- Very Niche filed , created only for certain types of people.
- More you put more you get

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