VISHWKARMA GOVERNMENT ENGINEERING COLLEGE, CHANDKHEDA

Brief Report onWebinar

Name of Department/Organizer	:	EC Engineering Department
Date & Time	:	25/6/2020 2 to 3 P.M
Venue	:	Online Google meet Platform
No of Participants	:	85

Objective of the Webinar:

- To help students to gain information regarding recentopportunities inVLSI industry.
- To provide information to students for different tools and design methodologies adopted by industry for VLSI system design.
- To aware the students about different career options in the field of VLSI Design.

- **Brief about event and outcome of event**
  - The webinar was started at 2:00 pm with welcome note by Prof. Alpesh Patel. He shared the brief details about the speaker with the participants. Mr. Nilesh Ranpura started the session with overview of e-infochip. He talked on experience, revenues, and products on which they are working. He explained semiconductor industry ecosystem, foundries, EDA / CAS Companies and IP vendors. Then he has explained electronics product design cycle in brief. He has nicely elaborated role / scope of VLSI in the Automotive industry. He has deeply talked about the working structures of VLSI industry with the role of software, system, silicon and mechanical design.

  - He has also explained the feature trends of technology in the VLSI industry. He has talked the technology resolution in terms of challenges, size, manufacturing process, cost etc. starting from 90nm to 7 nm chip designs. He briefed the participants about the importance of Design for testability to improve yield. He briefed the advance networking switches and routers.

- He has nicely talk about importance of space ASIC, DFT and radiation harden design. At the end he has explain the need or skill requirement of the industry from the students and some research area. He has also motivated students to opt career in this stream.

- During question-answer session, many students and faculties had interacted with the expert and asked their questions through chat window. Mr Nilesh Ranpura had given all answers satisfactorily. The Expert shared his contact details also with the participants for any further query.

- **Event Photographs**