EC GECR Newsletter

July-2021
Volume 2 Issue 2

Electronics & Communication Department,
Government Engineering College, Rajkot.

Vision

To bring out technically competent, responsible, ethical and environment friendly Electronics & Communication engineers for the society and industries.

Mission

- Developing technical competency in the students of electronics & communication engineering through hands on practice.
- Imparting quality technical education to the students through advanced teaching learning process.
- Creating vibrant atmosphere in the department to imbibe discipline, ethics and social responsibilities in students.
- Facilitating students to work on innovative projects related to electronics & communication engineering.

From the desk of Principal

Dear Students and faculties

It gives me immense pleasure to write this message for the forthcoming issue of college e- newsletter.

The newsletter is the mirror of the activities of the department that reflects the true spirit of the department and the institute. Being the head of family, it gives me a sense of pride, to observe that how in this hour of changing needs all the members of the family coped with it.

During this time, Most of these highly interactive sessions were conducted virtually with all customary attributes, keeping all Covid -19 norms in view. Through this platform I want to congratulate all faculty members and students of EC Department - GEC, Rajkot for successfully completing the academic activities of the entire semester. It's now two semesters that the students and teachers of GECR are involved in online teaching learning and I am happy to bring forth that all the classes have been conducted well and students are also enjoying their studies in the comfort of home. It's praiseworthy, how in no time all the staff members and students acquired efficiency in using the software like Moodle, MS Teams, Cisco Webex, , Google Meets, Zoom , YouTube to name a few.

I want to acknowledge the unstinting efforts of all the faculty members, who acquainted themselves to all the constraints of new way of life, like restricted movement, coming to college amidst lockdown whenever called and delivering their level best, thus converting constraints to opportunities.

(Dr. C.H. Vithalani)

Date: 01-07-2021

From the desk of Head of Department

Dear Students and Faculties,

Engineers are creators of new world using their technological skills. Electronics and communication is one of the most exciting branch and playing a vital role in today's digital world. It's a combination of hardware and software making the students learn over wide spectrum. Few areas are various communication systems, VLSI design, microcontrollers, embedded systems, digital and image processing, control system, antenna and wave propagation, microwave and radar, IOT, Artificial Intelligence & machine learning etc.

It gives me immense pride and pleasure to release the newsletter of Electronics and communication department, Government Engineering College, Rajkot. It is a technical platform to bring out the hidden talents of students and faculty. The major strength of the department is a team of well qualified and dedicated faculties who are continuously supporting the students for their academic excellence.

The students get lots of opportunities to excel in their academic achievements. The future holds many challenges. Apart from the regular curriculum the department do many activities to nurture the overall personality of the students.

The department conducts various programs such as Workshops, Technical Training, Symposium, Project-expo, Guest Lectures and Seminar by Experts from Industry and academia for constant knowledge up-gradation of staff and students. It also help in imparting ethics and values in students.

To initiate a process is easy but to continuously maintain it is equally difficult. I heartily congratulate the entire newsletter team for their great efforts in publishing new issue of department newsletter.

(Prof. S.B. Parmar)

Date: 01-07-2021

ALUMNI MEET -2021

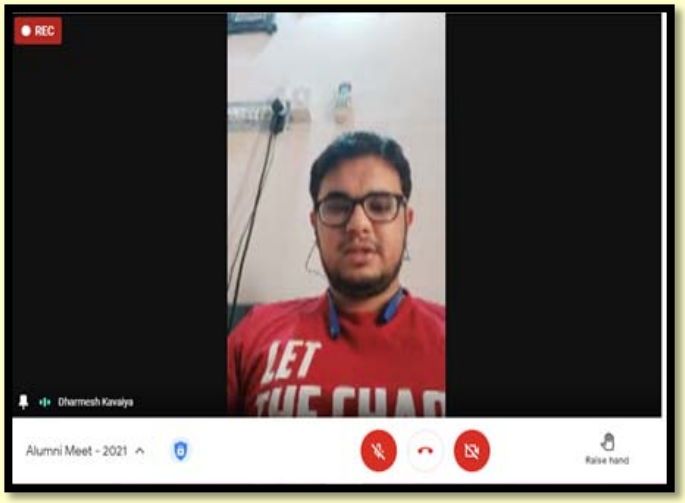
The Alumni meet commenced with the welcome address by the Principal; he communicated the importance of alumni association in professional courses and prompted all to get connected through AAG android application. 100+ Alumni took part in the meet. The entire session remained quite interactive with alumni talking and sharing with the faculty members and HODs present in the meet.

The president of the association, **Mr. Shanee Parmar** shared his views, followed by a talk on AAG app, its utilities and applicability by the Institute AAG faculty coordinator of the association, **Dr. R.D. Mehta**. He also talked about other online platforms in which the association has its presence – Facebook, You tube, Linkedin, Twitter and Instagram. He shared that non android users can get associated through official website / portal – alumnigecr.com.

The enthusiasm of the alumni remained unstinted throughout; they marked their presence with many suggestions, opinions and by sharing of their work experiences.

The meeting got concluded with customary vote of thanks by **Dr. Sanghamitra Bhatt, a member of the Alumni Association of GECR.**

REC
Alumni Meet - 2021
People (56)
Chat
Let everyone send messages
Mohan Sharma 11:10 AM
Mohan Sharma, 2015 CE, Architect
Currently at BLR
Feel free to reach at mohan@mohansharma.me for any help in career.
Hardik Aghara 11:11 AM
Hardik Aghara, 2017 passout
Currently i am working in Itriangle infotech at Bengalore as Firmware developer
Send a message to everyone
Kevin Kanbargara
Kuman Kothiya
Hasmukh Koringa
rathod kirit
Shashwat Doshi
Akhil Dholariya
Prakash Pithdiya
Alumni Meet - 2021
Raise hand
Turn on captions
Present now


REC
Dharmesh Kavaiya
Alumni Meet - 2021
Raise hand

REC
Alumni Meet - 2021
People (58)
Chat
Rahul Mehta
Rahul Mehta
Raj Raiyani
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Sawan Vaja
Shashwat Doshi
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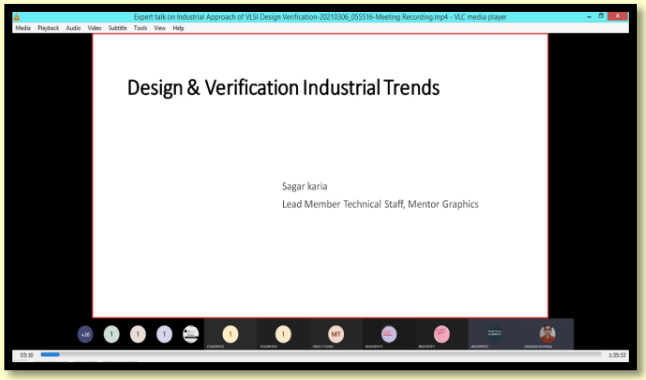
Kuman Kothiya
Alumni Meet - 2021
Raise hand
Turn on captions
Present now

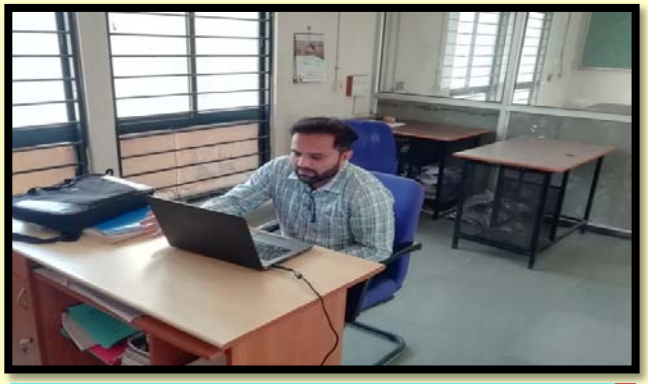
Alumni Association Event – Book Donation

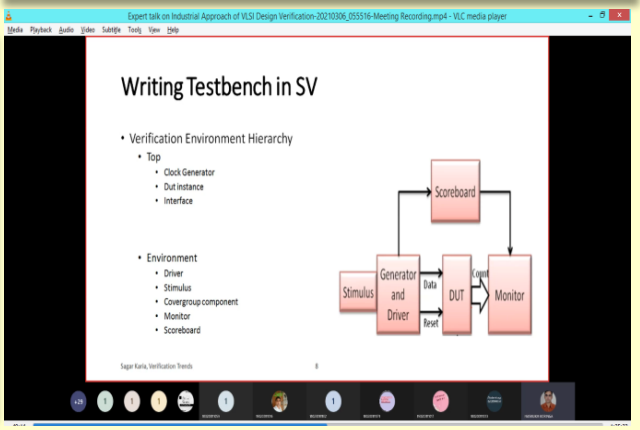
Giving Books give a soul to universe, wings to the mind, flight to the imagination, and life to everything. –Plato. Alumni Association of Government Engineering College, Rajkot (AAG) had started Book donation drive on 28/06/2020 with motto Giving is not just about making a donation, It's about making difference. An AAG initiate book donation drive has got tremendous responses from faculties, students and Alumni and collected 1000 Books. The main objective of the drive was to contribute books to the institute library for the circulation, knowledge enhancement and overall grooming of the student fraternity. AAG donated all 1000 books to the GEC, Rajkot Library. Principal, AAG President, Library In-charge and AAG Faculty Committee Head and Coordinators remained present on this occasion.

Expert talk on “Industrial Approach of VLSI Design Verification”

The expert talk was arranged by **Dr. Hasmukh Koringa**, Assistant Professor of EC department of GEC, Rajkot on 6th March,2021. **Mr. Sagar Kariya** Alumnus of GECR, currently working as a lead member technical staff at mentor graphics, Bangalore, gave expert talk on “Industrial Approach of VLSI Design Verification”. Approximate 60 students took part in this expert talk. Mr.Sagar Kariya shared his knowledge on ASIC Flow, Need of Design Verification, Verification Methodology used in Industry, Introduction of SV/UVM and Future of VLSI Industry. The session was conducted online through MS Teams medium.

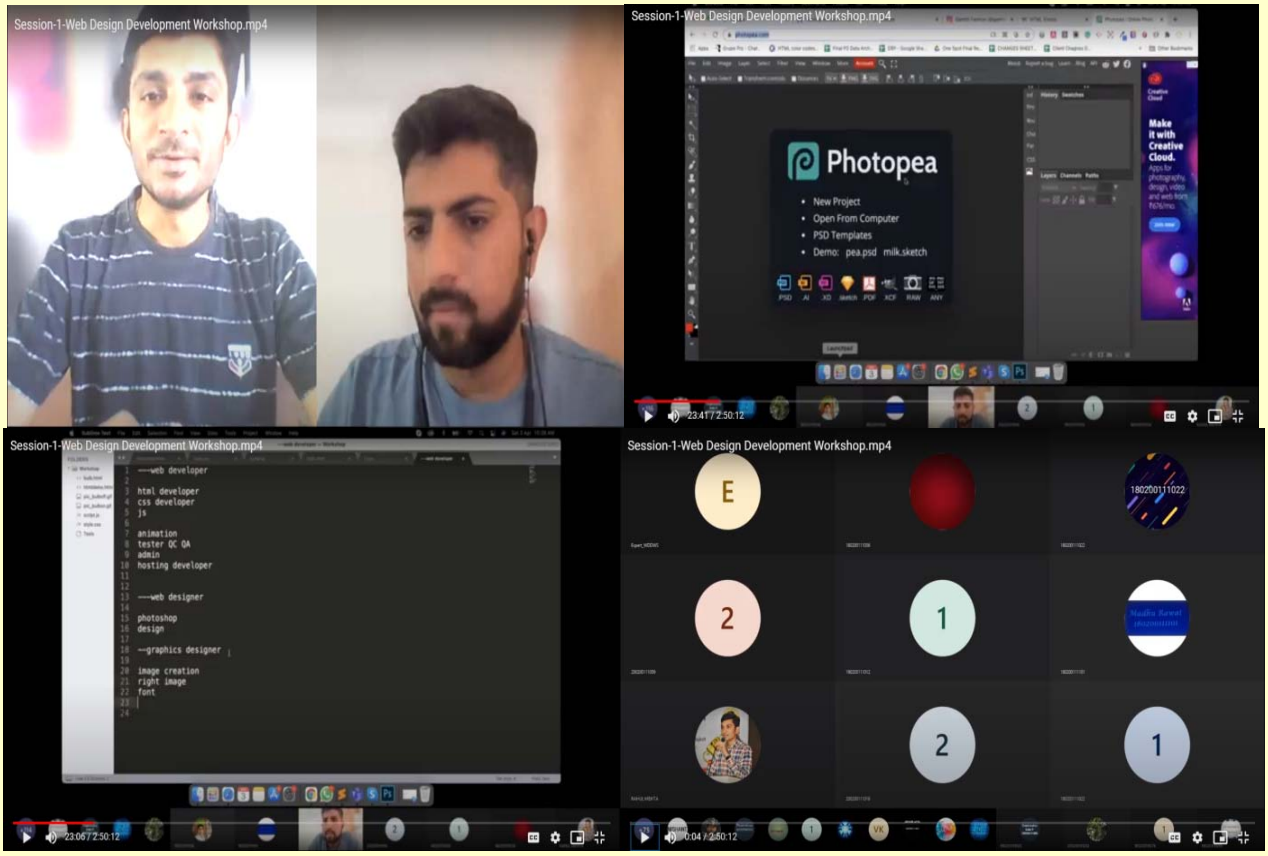






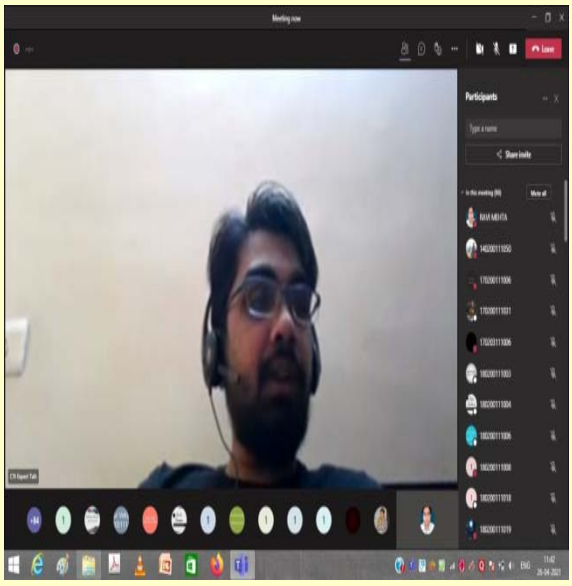
Workshop on “Web Design & Development”

The workshop was arranged and coordinated by **Dr. Rahul Mehta and Prof. Punit Lathiya**, Assistant Professors of EC department of GEC, Rajkot on 3rd April, 2021. **Mr. Ravi Kansagra (Director – Craftbox Technology & Treasurer of Alumni Association of GEC, Rajkot) and Mrs. Shivani Aghera (Sr. Web Developer at Craftbox Technology)** conducted in-depth sessions on Web Designing, Web Technology, Web Development with live demonstration using tools. The objective of the workshop, to make students familiar with the industry needs, tools, job openings and skills needed to become employable in the field of Web Technology, is completely achieved. All the students of B. E. Semester VI of EC Department (Approx. 120+) actively participated in the workshop. The sessions were conducted online through MS Teams medium.



An Expert Talk on “Career Guidance in the field of Computer Networking”

The expert talk was arranged by **Dr. Rahul D. Mehta, Prof. Ravi G. Mehta**, Assistant Professors of EC department of GEC, Rajkot. **Mr. Suraj Kaneria (Alumnus of EC Dept. GECR)**, currently working as a **Network TAC Engineer, Fortinet, Bengaluru**, delivered an expert talk on “Career Guidance in the field of Computer Networking” on 26th April, 2021. Approximate 120 students took part in this expert talk. The expert shared his experience and knowledge to decide the career path in the field of Computer Networking. He discussed importance of Computer Network subject in industry, introduced few tools which can be used to take up project at institute level. Also, he guided on taking up training in industry, preparing for professional courses and finally how to approach the industries and what to prepare for the same. The session was conducted online through MS Teams platform.

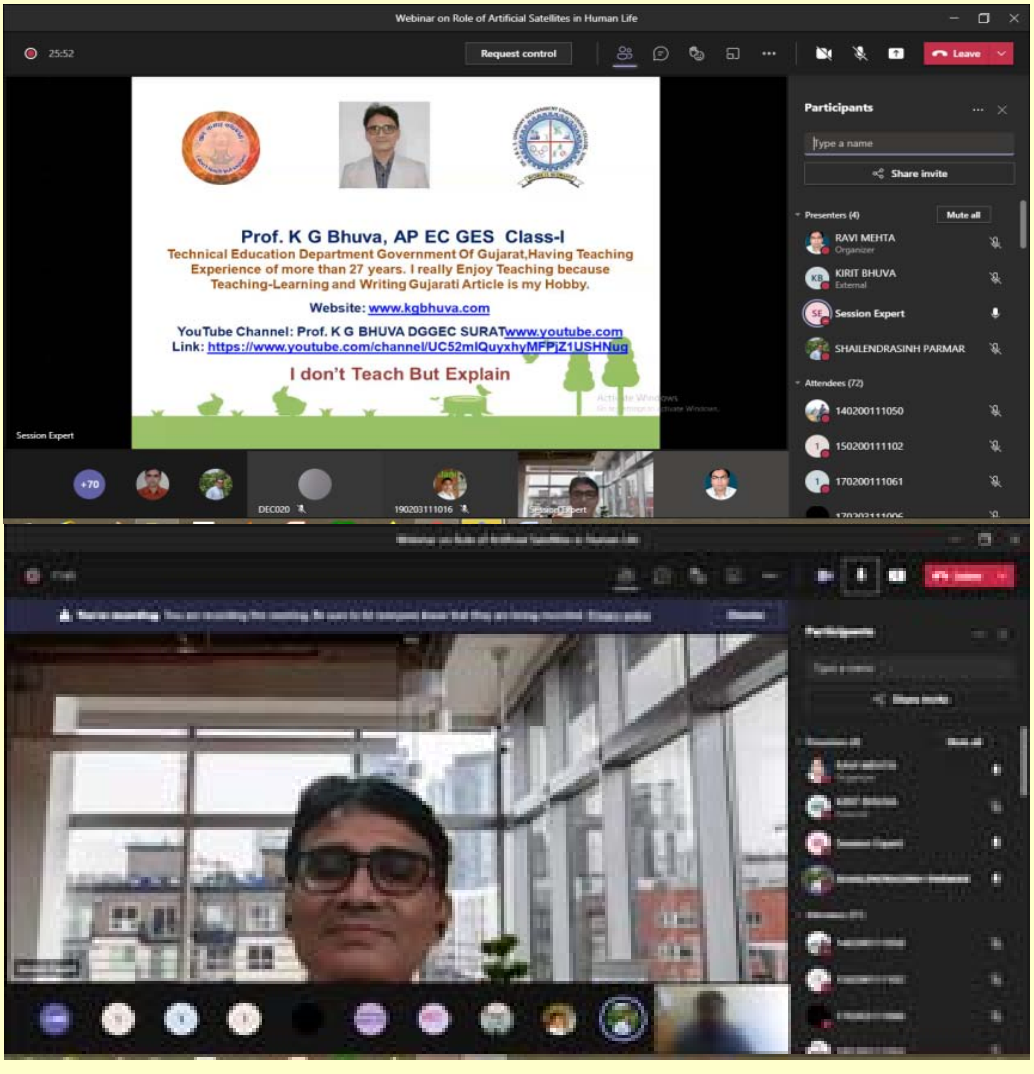


An Expert talk on “Role of Artificial Satellites in Human Life”

The expert talk was arranged by **Prof. Ravi G. Mehta & Prof. P. R. Pandya**, Assistant Professors of EC department of GEC, Rajkot. **Prof. K. G. Bhuva**, **Associate Professor, E.C. Dept., S.S.G.E.C., Surat** has delivered an expert talk on “Role of artificial satellites in human life” on 26th March, 2021. Approximate 80 students took part in this expert talk.

The webinar was arranged with an idea to provide content beyond syllabus to the students. Two important applications of satellite i.e. Navigation & Direct to Home Broadcasting are explained in depth to the students. The resource person has shared his view in the importance of satellites in development of country and overall improvement of human life.

The session was conducted online through MS Teams platform.

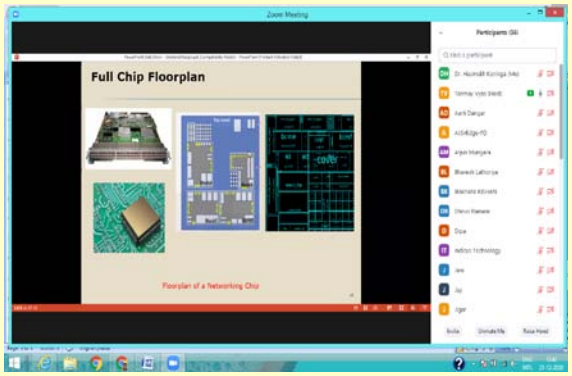


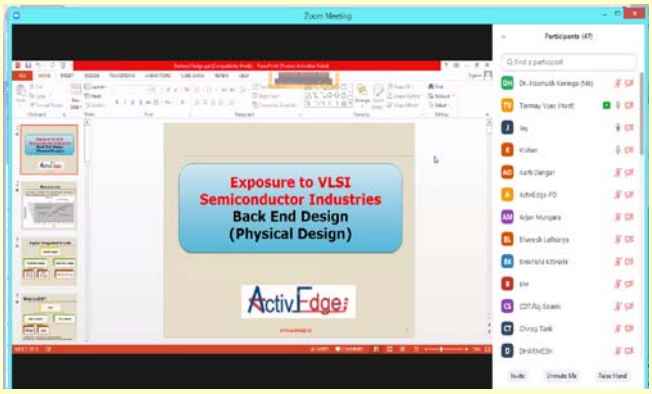
An Expert Talk on "Exposure to VLSI semiconductor Industries Back end Design (Physical Design)"

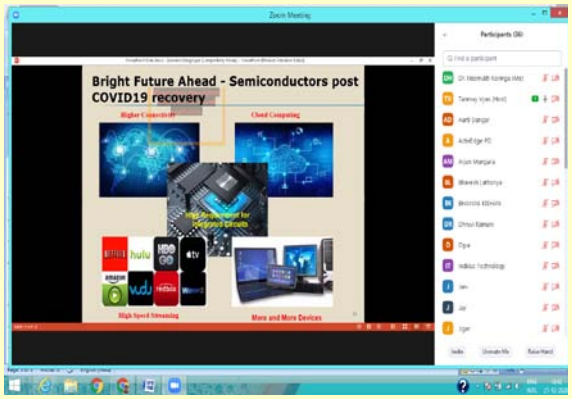
EC Department GEC Rajkot organized an expert talk on "Exposure to VLSI semiconductor Industries Back end Design (Physical Design)" **on** 21st December, 2020. Dr. Hasmukh P Koringa coordinated the event. Expert**, Mr. Jay , ActiveEdge, Ahmadabad** shared his expertise and covered following topics during his talk.

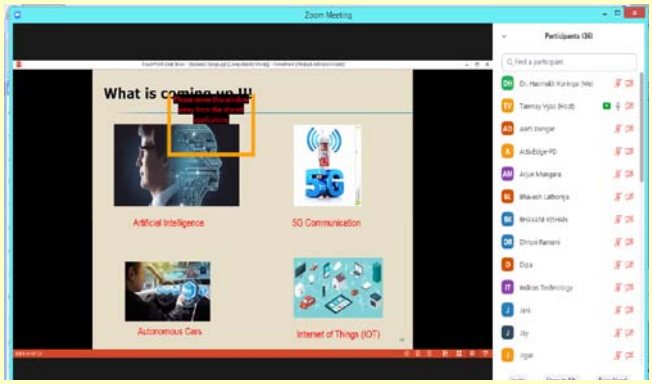
- Introduction to Semiconductor Industries.
- Simple Verilog Program with testbench.
- Compilation, Simulator and waveform.
- Typical VLSI Design Flow.
- Introducation Of TCL and Shell Programming
- Introduction to Verilog HDL.
- Today Need of low Power VLSI Design

More than 36 students of 6th and 8th sem EC students have attended webinar





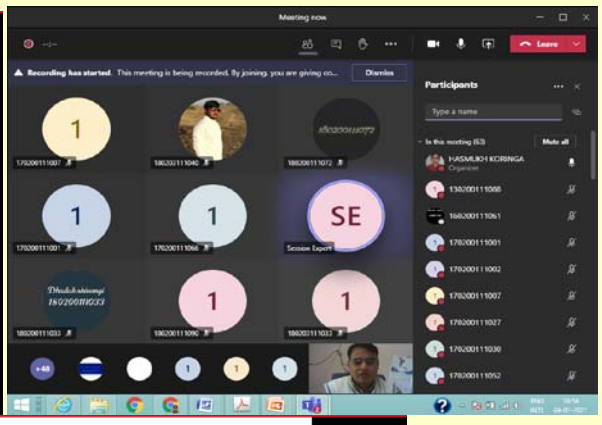


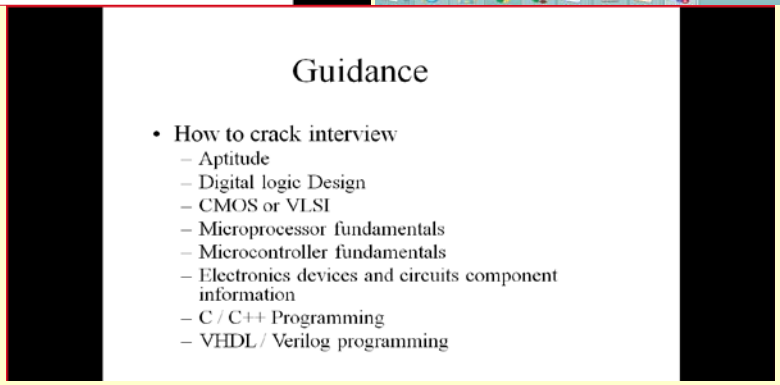


An Expert talk on "VLSI Chip Design challenges in real world"

EC Department organized an expert talk on **"**VLSI Chip Design challenges in real world" on 4th January, 2021. **Dr. Hasmukh P Koringa** coordinated the event. **Mr. Ronak Sarikhada, BE (EC)- GEC Rajkot, M.Tech. (CS) SVNIT-Surat, Internship at Intel Technology Bangalore** shared his expertise with students. Total 67 students participated the event. Following topics were discussed during the talk.

- Various design teams in VLSI industry
- Various design engineers and its jobs and skills require
- Verification engineers jobs and skills require
- Chip design phases from scratch to product
- Case study of verification
- Skills require in VLSI domain
- Reference materials





Placements EC - 2021 Batch

In current pandemic situation of Covid-19 the Training and Placement cell of department is putting their best efforts to place student on their preferred work profile. Many students got placed during last semester and still many companies are arranging placement under the management of departmental and institute T&P coordinator.

- **Total Companies Visited for Placements(for EC): 35+**
- **Total Number of Students Placed : 34**
- **Minimum Package: 1.2LPA**
- **Maximum Package: 3.6LPA**

Advisors:

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Principal,
Govt. Engg. College,
Rajkot.

Prof.S.B.Parmar
Head of Department - EC
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