



# EC GECR Newsletter

July-2020  
Volume 1 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 Head of Department**

Dear Students and faculties,

We all are witness of drastic changes which happens around us from March 2020 onwards due to prevailing covid-19 pandemic situations. I hope all of you are safe and following norms of social distancing as a precautionary measure to prevent spread of corona virus. We have to change our life style and follow new etiquettes. Nature has given us warning about not to harm co-existence for personal benefits. We have seen positive effects of lock-down on nature because we have created minimum pollution and disturbance with the nature during this period. Looking at the positive side, it seems that we should observe “Planned lock down week” every year where no one should be allowed with vehicle, no transportation for one week. It will help us to reduce pollution during the week and provide opportunity to spare time for interacting with family, spiritual activities, reading and other hobbies. It will be compulsory for all of us to implement Information and communication technologies (ICT) for online education. Although online engineering education is challenging because it is based on science and mathematics and makes it a significantly different from other disciplines. These subjects are traditionally difficult to teach online because of the need for laboratories and equation manipulation. It is almost impossible to conduct hands-on laboratory sessions online because it needs physical interaction. There are major three domains of learning: Cognitive, affective and Psychomotor. Online education for cognitive and affective domain may be possible by using innovative teaching-learning methodology but it is impossible for psychomotor domain. Online delivery of classroom lectures, demonstration and conduct of laboratory experiments, course and class management and administration is in demand for cognitive learning. We should also accept that we do not have enough digital infrastructures to support online education due to non-availability of network on remote corners. Hence it is almost impossible to cover 100% students in present situation of network. It is the time where giant communication industries should contribute to society by providing free data to the students for education purpose and network coverage on every remote corner. Government in liaison with communication industries must work together to solve infrastructure problem and lower cost of data. There should be announcement of “Data scholarship “for the students for online education from industry as a part of corporate social responsibility. We have enough infrastructures at institute level but it does not have any meaning if individual student located in remote villages does not have it at their end. We congratulate students for attending online classes, attempting MOODLE test, Google Classroom test and online practical viva in spite of all difficulties at their level. We know that there was acute network problem at student end but somehow you have managed the crisis. You have tested various platforms like Zoom, Google Meet, CISCO Webex, Microsoft team, GoTo Meeting etc. for attending the online sessions and shared your oral feedback for each platform with faculties. There were many reputed institutions offered free online courses in latest technology area and I am happy to share that many students and faculties have taken advantage of such opportunity and attended courses for knowledge update and skill development. Let us hope that situation becomes normal at the earliest and meet each other for better learning experience.

(Dr. C.H. Vithalani)

Date: 30-6-2020

## **Expert Talk by Mr. Kevin Kansagra**

The Alumni Association of GEC, Rajkot regularly invites alumni to deliver talks. On 18thDec.2019, Mr. Kevin Kansagra, a pass out student of 2013 batch of the institute from Electronics and Communication Engineering Department was invited to deliver a talk. Kevin Kansagra is currently working in Candence Design System Inc., Bengaluru. Mr. Kansagra, through his talk, shared his journey from GEC, Rajkot to Candence Design System Inc. He emphasised on how the combination of self study and guidance of the teachers helped him in attaining his goal, he also informed the juniors about the skills required for entry and sustenance in industries as well as about about possibilities and openings for Electronics and Communication Engineering students.



## **Workshop on Interplanetary Dust Science**

Electronics & Communication and Mechanical Department organized the workshop on Interplanetary Dust Science on 31st December 2019 under the Post TEQIP project. The objectives of the event were to inform students about PRL activities, current research area on which PRL is working and various research activities at PRL. Total 120 students participated the event and ot knowledge about history of PRL and current activities/opportunities at PRL. Experts also shared details about the internships provided by PRL.



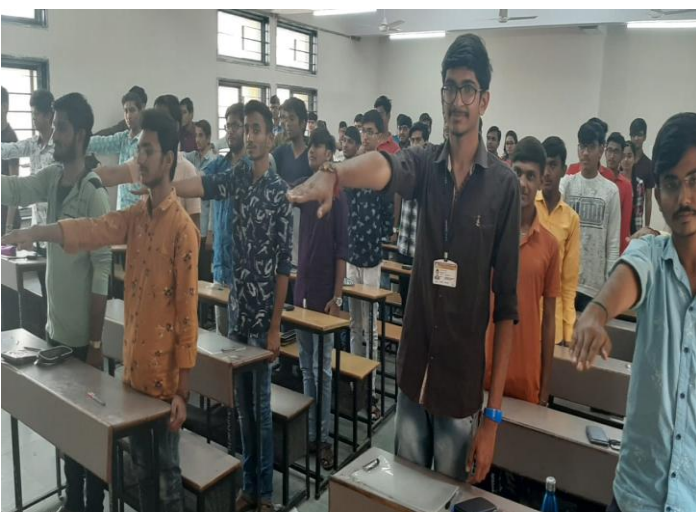


## 70th Constitutional Day “Samvidhan Divas”

As per the directives of MHRD, Government Engineering College, Rajkot has organized 70th Constitution Day “Samvidhan Divas” on 26/11/2019 as a part of year long “Constitution Celebration Campaign” which is scheduled to start from 26/11/2019 and will continue up to October, 2020.

This mega event was organized in two parts. In the first part, all students and faculty members of the institute took pledge of integrity and faith in Indian constitution.

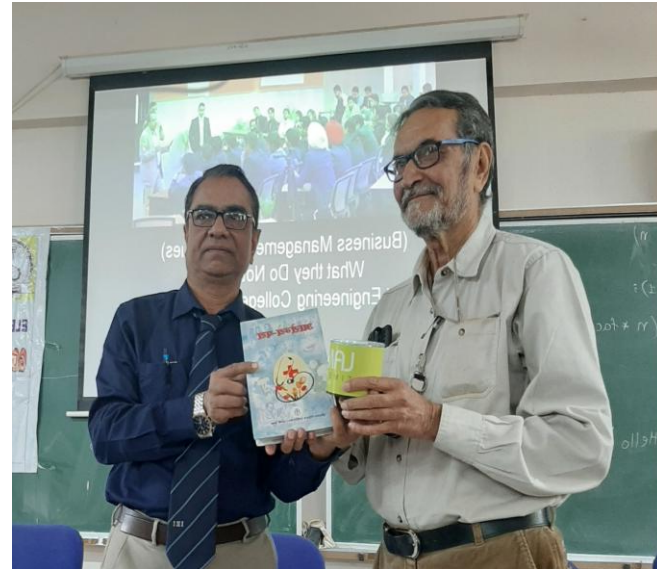
The event was followed by the second part where students, faculty and other staff members watched the live telecast of Indian constitutional day celebration from the central hall of parliament. It was attended by almost 100 participants. The inaugural session had speeches from the President of India, the Prime minister and the Lok Sabha speaker that emphasized upon the importance of constitution. The event successfully ended on a positive note that filled all the students with great zeal and patriotic feeling and enlightened them about our constitution.



## Expert Talk on Zero Defect Zero Effect

EC department organized the expert talk on Zero defect Zero Effect on 16th December, 2019 under the student's chapter of Institute of Engineers - Rajkot chapter. Total 100 Students of EC, Mechanical and Electrical department participated the event. The expert Dr. Dr. Dinesh Kakkad is Executive Director at Excellence unlimited and he is promoting Business Excellence in individual industries and business through counselling, training, awareness workshops, projects, assessments, consultancy in National Quality.

The talk series was aimed to make students aware of "Zero Defect Zero Effect" slogan given by our Prime minister where production mechanism should be such that there is no defect in the product or service as well as production process should be such that there is no environmental and ecological effect. Government of Gujarat has also sign MoU with Quality council of India for Zero Defect Zero Effect (ZED).





## Alumni Meet 2019-20 and Launch of e-newsletter - संवदध्वम्

The second official meeting of Alumni Association of GEC, Rajkot (AAG) was organized on 4th January 2020. The programme witnessed both virtual and physical participation of alumni in large number. For the first time Skype calling facility was provided to the alumni, who could not attend the meet. The entire event was live streamed on Face Book page of GEC, Rajkot. The programme was initiated with the customary lamp lighting ceremony by all the august guests and the seniors of the institute. The event was followed by the welcome address by Prof. (Dr.) C. H. Vithalani, the HoD of Electronics and Communication Department. He introduced the programme as well as 'Impact' for training the job aspiring students. The speech was followed by the speech of the Mr. Ravi Kansagra, the entrepreneur alumnus of GEC, Rajkot and treasurer of AAG. While sharing his experiences, he emphasised on self - learning as the most potential source of development and of seeking and sustaining employment. He announced his plan of organizing 20 workshops by alumni in the calendar year 2020 for the skill development of the job aspirant juniors.



The next in the list was the launch of GEC, Rajkot e-newsletter - **संवदध्वम्** 'Samvadhvam', Volume IV, Issue I. The newsletter of the institute is published bi-annually and envisages all the activities done in the campus as well as the achievement of the students and faculty members. This time, a new column 'Alumni Connect' is introduced in the issue to provide the platform to the alumni to interact.

The event continued with the skype calling for the alumni, who could not come to the venue, all were excited to see their seniors talking to them. The alumni present the venue also came up with many guidelines and motivating talks for their juniors.

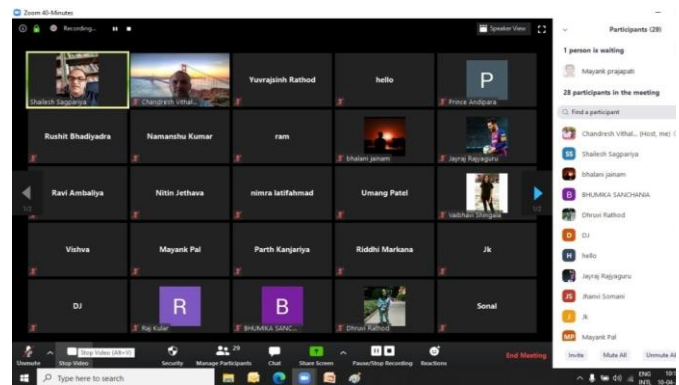
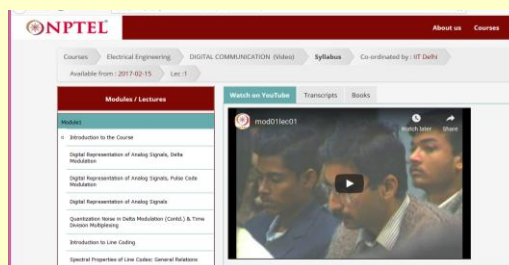
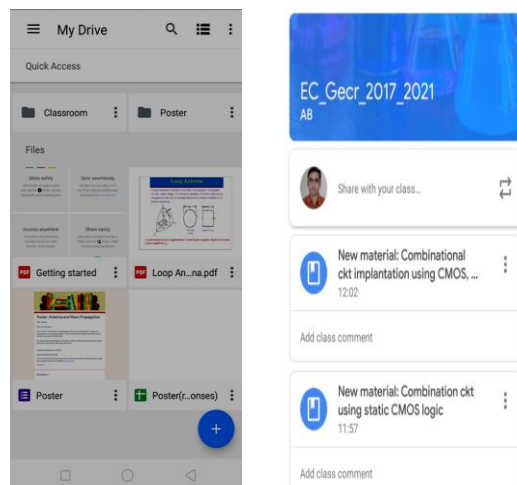
The principal of the institute, Dr. R. A. Thakkar, addressed the gathering to appreciate the efforts of the alumni of the institute in generating opportunities for the aspirants. He described the alumni as the backbone of the institute.

The event ended with the customary vote of thanks by Dr. G.M .Tank, HOD, Civil Engineering Department and an invitation from the AAG team to the alumni and faculty members for talk over a cup of tea and snacks.



The world is facing one of the gigantic challenges offered by nature and the whole humanity is fighting back against it at its best. During this battle, Human movements and activities have become almost stagnant and all the sectors are suffering by its adverse effects in various ways. As it is said that 'Education is Continuous Process', the education fraternity has maintained the worth of the statement with its commitment and dedication towards Teaching-Learning process via effective utilization of modern tools and technology, hence **COVID-19 is yet to beat the flow and pace of Teaching-Learning process.**

To be a part of the movement, Electronics & Communication Department of Government Engineering College, Rajkot is also playing a role of frontier and has kept as well as maintained live contact with students since long by sharing variety of online resources through various online mediums.

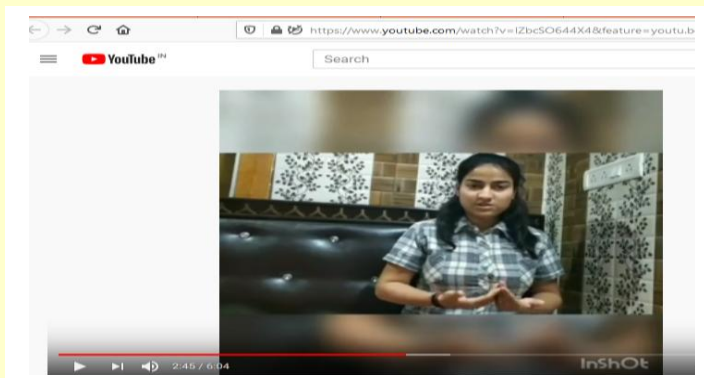
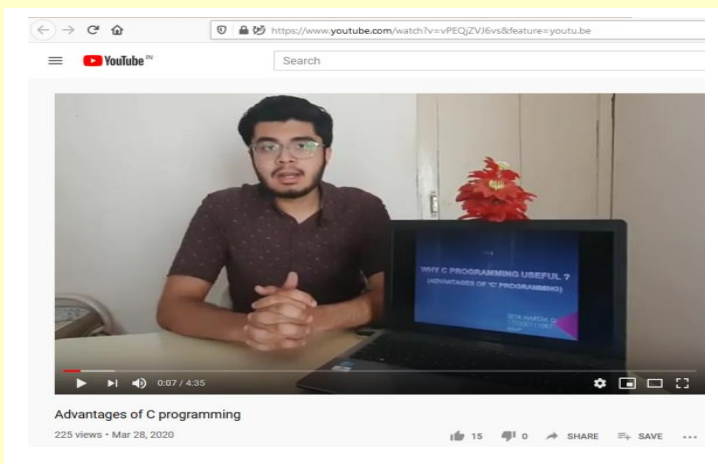


## Resource sharing with students

Motivational Talk by Shri. Shailesh Sagpariya



Under the continuous guidance of Head of Department, Team EC-GEGR is putting all its efforts in variety of ways to ensure to make up for the span of non-teaching / no-contact period as well as planning for compensatory actions for possible next phase through online Teaching-Learning activities.



Students prepared videos as per given assignment topics

## ❖ Summary of Major Online Activities / Teaching-Learning Mediums:

- Moodle Server
- Google Classroom
- Virtual Lab
- SWAYAM Portal
- NPTEL Online Portal
- Zoom Video Conferencing
- Google Email Forms
- Google Groups
- WhatsApp Groups
- YouTube

## ❖ Summary of Major Online Teaching-Learning Resources:

- Virtual Lab
- MIT OpenCourse
- SWAYAM Portal Online MOOC Courses
- NPTEL Online Portal MOOC Courses
- MATLAB
- SCILAB
- Power Point Presentations
- Lecture Note

## Achievements

1. During Smart City Hackathon -2020, three teams from Government Engineering College Won the prizes.

### ❖ 5th Rank

**Problem Statement: Building Energy Management System**

**Team :** Shah Vikas, Khandekha Jay, Bhalani Jainam, Singala Vaibhavi, Rathod Dhruvi, Somani Jhanvi, Seta Hardik , Agravat Parth

**Mentor :** Dr. Dhaval Bhojani

### ❖ Special Jury Award

**Problem Statement: Leakage app**

**Team :** Kaushik Makwana , Prachi Gupta, Namanshu Singh . Riddhi Markana .



2. Two teams from EC department GEC Rajkot won prizes in competition held by Institute of Engineers, Saurashtra Region.

### 1st Rank

**Team :** Yuvrajsinh Rathod, Uvresh Zala, Nikhil Sanchaniya, Bhumika Sanchaniya, Sonal Sinha, Mayank Prajapati

### 2<sup>nd</sup> Rank

**Team :** Raj Kular, Vishva Karia, Nimra Latif, Umang Dadhania, Hiren Pithva, Rajdeep Parmar

## **Alumnus Testimonials - 1**

**Mr. Maulik Tanna (EC-GEGR 2006-2010)**

**Manager Pre Sales - Mantra Softech India Pvt. Ltd.**

**Memories at GEGR:**

I have been part of GEC in the batch of 2006-2010. I still remember that first day of college when we were unknown to each and everyone. And still remember the last day of college when we were in tears as we were leaving a special place of our life. I am one of those students who have been part of initial batches of GEGR and have studied at three premises of college. We have been cherished very well by our senior fellow students by providing warm welcome and assisting us at many phases throughout the academic. I can never forget the support provided throughout the duration by Dr.Vithlani Sir and other fellow professors. They have been always ready for any kind of questions and queries being resolved without hesitation. The times are still unforgettable when we were carrying out practical experiments at the laboratory for different subjects. In nut-shell whatever base knowledge that could be learnt over GEGR which only powered me to be at current place. In addition, the resources like library/laboratory infrastructure whichever then time available were very much helpful to equip ourselves technically. P.S.:Now a days the digital world is moving towards technologies like LORA, IOT,NB-IOT, Machine Learning,Industry 4.0, Blockchain etc. And especially an engineer has to be very keen to learn such technologies to build strong future in engineering domain.

The journey at GEGR was very joyful and up-brought with lively, positive energy which has been transferred to us by faculties and fellow students which is lifetime gift we have received and very much thankful to all and will always grateful for these precious memories.



## Alumnus Testimonials – 2

**Mr. Umang Sangani (EC – GECR 2011-2014)**

**Studying Post Graduation in Producing for Film and Television at Satyajit Ray Film and Television Institute, Kolkata**

### **Memories at GECR:**

GECR apart from being the educational institute which gave me the core skills to progress professionally as an engineer, it has also played a major role in other fields of my life. It gave me creative freedom and space to explore different facets of my personality and never limited my imagination and capabilities to pursue other interests and polished my skills at every step. By organizing various events and festivals, whether it's a Brizingr'14 or Zonal & Interzonal youth festivals or Saptdhara & TEQIP activities or starting the newsletter, I found my voice and my standing and it helped me in figuring out what I want in life and how to reach my goals. Because of the amount of love, guidance and motivation I get from all the professors, faculties, especially Vithalani sir, Amee Mankad ma'am and Jay Pandya sir, I could fulfil my dream of reaching India's best Film School - SRFTI, Kolkata through to the constant learning process at GECR. GECR has helped me to bring my inner artist!

## **Alumni Association of GEC Rajkot (AAGR) is now on All Social Media Platform**

**Instagram :** [https://instagram.com/alumni\\_gecr?igshid=v5b9w3g7lw2l](https://instagram.com/alumni_gecr?igshid=v5b9w3g7lw2l)

**Twitter :** [https://twitter.com/Alumni\\_GECR](https://twitter.com/Alumni_GECR)

**Youtube :** <https://www.youtube.com/channel/UCfroYA41zIV9G4Vrkex3Vmw>

**Facebook :** <https://www.facebook.com/Alumni-Association-GEC-Rajkot-110370080712192/>

**Linkedin:** <https://www.linkedin.com/in/alumni-association-government-engineering-college-rajkot-2782941b0>

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**Prof. Niranjan Agravat**

