EC GECR NEWSLETTER

Volume III Issue I

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.

Dear Students and faculties

It is again an opportunity for me to talk to all the readers and I take it as a privilege. This biannual newsletter 'Sambadhadbam' is actually a compendium of the activities in the campus . I have always felt that such publication prompts activities and activities in turn prompt publication of newsletter. This activity – publication sequence keep the campus alive and vibrant.

I am happy to share some of the great performances of our students in this semester- this time GEC, Rajkot is ranked first among Government Engineering Colleges in Gujarat with 4 star rating by Institution's Innovation Council (IIC 3.0) 2020-21 rankings.

Two GECR students from NCC(Naval) are selected for Republic Day Camp from Gujarat state and will participate in national level competition. I would take this platform to convey my best wishes to Department of Mechanical and Civil Engineering for NBA Accreditation process they have applied for. I believe both the departments will come up with flying colours.

I congratulate the team e- newsletter for their consistent efforts to make this biannual publication a success.

(Dr. C.H. Vithalani)

Date: 01-01-2022

Dear Students and Faculties,

It gives me immense pride and pleasure to release the newsletter of electronics and communication department, government engineering college Rajkot.

Newsletter is a very important tool to make all stack-holders aware about various activities done in the department. I am very happy to see that lots of technical, curricular and extra-curricular activities are being carried out in the department. I congratulate all faculty members for arranging activities like expert talk for students, faculty development program etc. and also students who have participated in various events held at institute as well as outside institute. All this expert talks and competition helps students to enhance not only their technical knowledge but to develop various qualities like communication skill creativity, leadership, team spirit etc. Both of them in turn increase the employability of the student. Department continuously working to arrange various expert talk, industrial visits, workshop from industry expert and various creative competition to help overall growth of the students.

As I mentioned earlier in newsletter, to start anything is easy but to continuously maintain it, is equally difficult. As the newsletter team of the department have achieved it again, I heartily congratulate and proud for their efforts in collecting, designing and publishing for large number of stack holders.
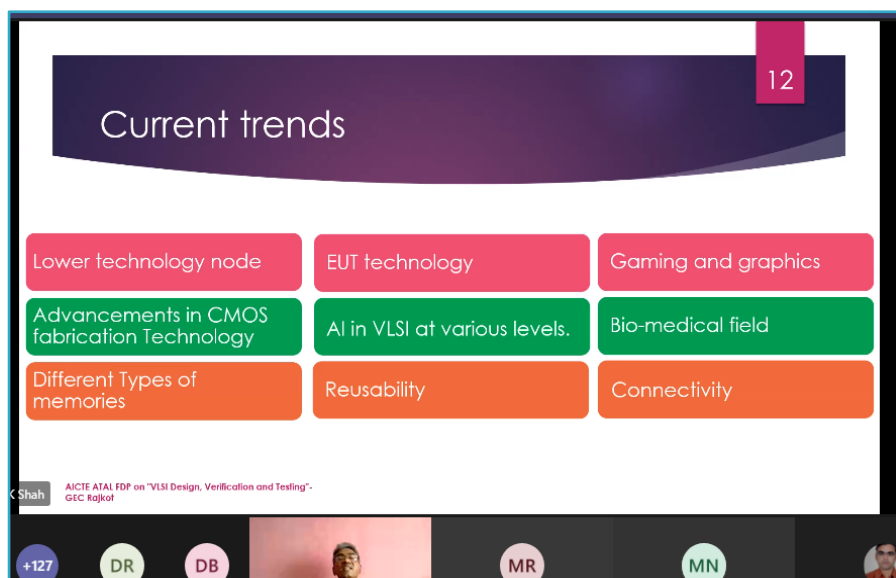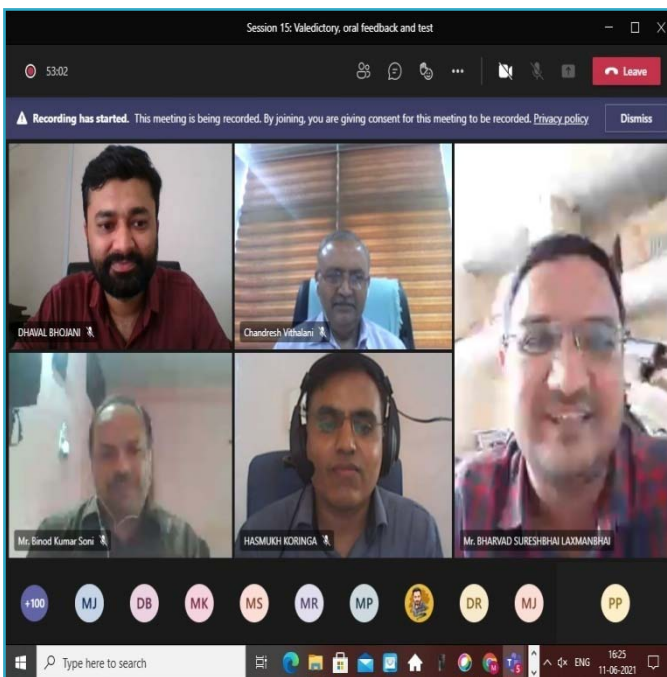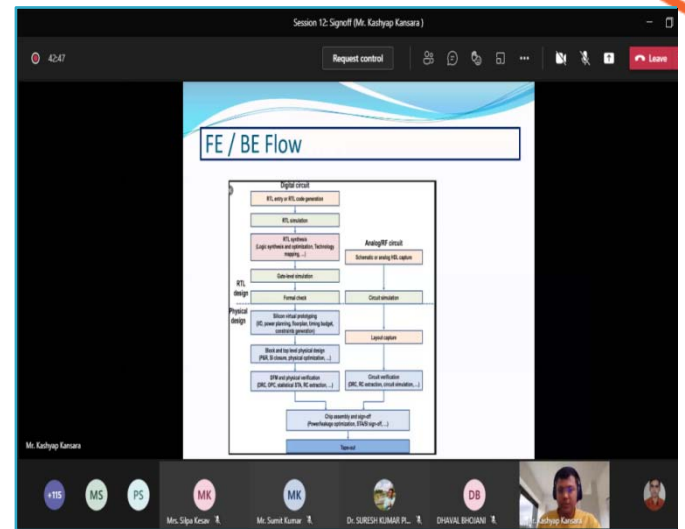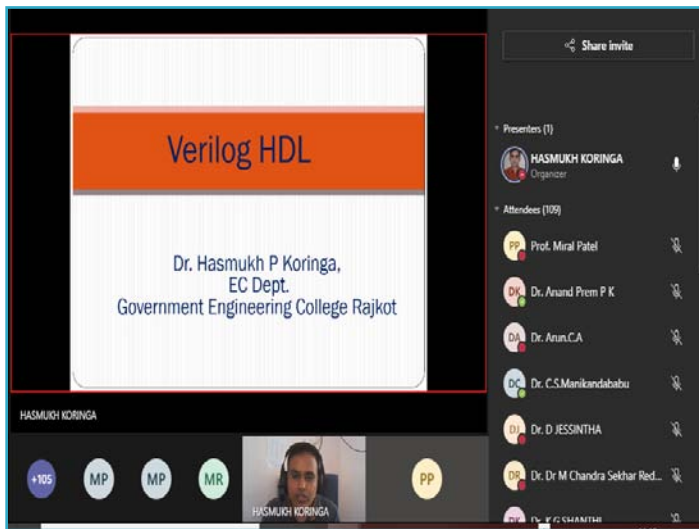
(Prof. S.B. Parmar)

Date: 01-01-2022

ATAL ONLINE FDP ON "VLSI DESIGN VERIFICATION AND TESTING" ORGANIZED BY EC DEPARTMENT GEC RAJKOT

EC Department, Government Engineering College, Rajkot organized an ATAL online Faculty Development Program on "VLSI Design Verification and Testing" during 7th to 11th June, 2021. Total **200 faculties** (Diploma and Degree Institutes) from **24 states** of India participated in the training program. **Dr. Hasmukh P Koringa**, faculty EC Department had coordinated this FDP.

Currently VLSI domain is booming due to demand of System on Chip and has very good opportunities for job. Same way it also have lots of challenges in VLSI design to scope up fast technological change. Intention of training was to bridge gap between academic and industry by providing training on industrial approach of VLSI design. Experts were from different MNC like Intel, Broadcom and Mentor Graphics companies and imminent academician. Ultimately knowledge had transferred to large number of participants through these trained professors and it will be increased employability in students. This faculty development program will add one feather in to make our nation from developing to developed country.

REVIEW WRITING COMPETITION

As a part of Integrated Personality Development Course (IPDC), EC Department – GEC, Rajkot organized a Review writing competition for the students. Participants were supposed to express their views on any one of following topics.

- Book(magazine) Review
- Movie(web series/TV Shows) Review
- Travel Place (Culture, Food, Route etc) Review
- Art form Review (Song, Music, Rag, Lyric, Dance, Painting etc)
- Product Review (Mobile, TV, Cars, Bikes)
- Life story of a successful person

Total 100 students participated in the event. Prof. Jay Pandya coordinated the event. All participants were awarded by participation certificates. Following students secured their place in top 10 list.

Sr. No.	Enrollment No	Name	Topic	Rank
1	190200111044	Joshi Urvi	Dance Review : Kathak	Rank 1
2	190200111072	Gautam Nakum	Book Review : Aganpankh	Rank 2
3	190200111020	Dharmik Dharaiya	Book Review : Swami Vivekanand , Rashtra Ne Sambodhan	Rank 3
4	190200111124	Leonie Vieyra	Book Review : Daily Painting	Rank 4
5	190200111013	Shivam Chaudhari	Book Revie : Iliad	Rank 5
6	190200111014	Paras Chauhan	Book Review : The Discovery of India	Consolation Prize
7	190200111084	Gouri Pavagadhi	Book Review : The Canterville Ghost	
8	190200111076	Pandya Mihir	Book Review : Three Men in a Boat	
9	190200111066	Savan Mandora	TV Show Review : TMKOC	
10	190200111094	Rishav Sharma	Tour Review : Chimer Water Fall	
11	190200111075	Pandey Khitij	Pingali Venkayya : The man behind indian flag	
12	1902001111113	Alkesh Tarbundiya	Web Series Review : Strange Things	
13	190200111106	Nirajkumar Siroya	Movie Review : Bhag Milkha Bhag	
14	190200111043	Pragati Joshi	Book Review : Swami Vivekanand - A Biography	
15	190200111110	Yashvi Tada	Life Story : Sunil Chhetri	

INDUSTRIAL VISIT AT ARCHANA AUTOMATION, RAJKOT

Electronics & Communication Department, GEC Rajkot organized an industrial visit at Archana Automation, Rajkot. Total 25 students along with Principal Dr. C.H.Vithalani, Head of Department Prof. S.B.Parmar and Convener Placements – Dr. H. P. Koringa visited the industry. Mr. Mahesh Vyas shared his expertise with the students and explained the production flow.

UNVEILING OF "SUCCESSION LIST OF PRINCIPALS" & "STUDENTS' RANKER BOARD - TOPPER'S LIST"

Alumni Association of GEC, Rajkot (AAG) has donated the 'Succession List of Principals' & 'Students' Ranker Board - TOPPER'S LIST' to each department of GEC Rajkot as a Small Contribution from AAG to its Alma Mater. The unveiling ceremony of the boards was held on26th October 2021, Tuesday, in the presence of Principal Sir, All Head of the Departments and Faculty and Staff Members.

The Unveiling of 'Succession List of Principal at Principal office

The Unveiling of 'Succession List of 'Students' Ranker Board - TOPPER'S LIST' at Electronics & Communication Department
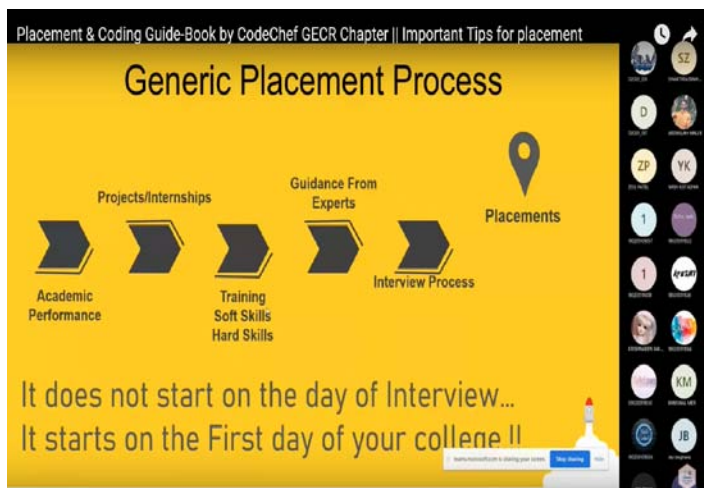
CODECHEF ORGANIZED EXPERT SESSION BY PROF. JAY PANDYA: PLACEMENT & CODING GUIDE-BOOK

The CodeChef – GEC, Rajkot organized an expert session "Placement and Coding Guide Book" on 30th October 2021 to make students aware about placement procedure and industry requirements for getting a job as a fresher candidate. The team invited **Prof. Jay Pandya**, former Placement Convener of the institute to share his views and to highlight the Roadmap to crack interview process of MNCs and to guide the participants about common placement procedure. Total 230 students registered for the event and more than 180 students attended the session actively.

The main focus of the event was to create awareness regarding on-campus and off-campus placements, and what are procedures for on-campus placements, and to inform students how to start preparing for placements and the role of coding and CP in placements. Apart from this, for newcomers (First Year) the team showcased how they can improve problem solving skills and practice coding problems.

Participants got exposure to the placement procedure and had the awareness about coding and Competitive Programming.

INTERNATIONAL YOGA DAY CELEBRATION

The 7th International Yoga Day was virtually celebrated by Government Engineering College, Rajkot on 21st June 2021 jointly with 'Life Health & wellness Centre, Rajkot and Gujarat Technological University, Ahmedabad. All the faculty members, other staff and students were invited to take part in the event. From Project Life organization, Rajkot, a team of two yoga instructors, **Ms. Urvi Pandya** and **Mrs. Sejal Darji** have provided guidance online. The yoga day was celebrated as per guidelines of Common Yoga Day Protocol decided by Ministry of Ayush. Each stakeholder of the institute has enthusiastically taken part in the yoga day celebration from Home. Faculties of GEC Rajkot participated in Yoga organised by LIFE as well as GTU through facebook live. Faculties and students also attended online webinar on how to live with health, wealth and happiness on the topic "ભારતીય યોગ અને આયુર્વેદ જીવનશૈલીનો પરિચય".

Webinar was delivered by Shree Ketan D Patel, Principal, Government Polytechnic, Waghai and live streamed on YouTube channel of GEC Rajkot. It was decided to plant about 100 trees in the campus with a drip irrigation facility during 21st to 25th June 2021. All the faculties, security and housekeeping staff will contribute for tree plantation activities. On the Yoga day, Meditation center is inaugurated for faculties and students so that as and when they are free or feeling stress, they can use this center for meditation and stress relief to increase their efficiency. All these activities are widely published using social media platform. Few photographs are attached with this.

SSIP, IIC AND IEI STUDENT CHAPTER ORGANIZED LOGO COMPETITION

Under Student Start up and Incubation Policy(SSIP),IIC and IEI Students' Chapter Government Engineering College, Rajkot have conducted a Logo Competition for the current & pass out students of Government Engineering College Rajkot. Total 101 current and passout students of Government Engineering College, Rajkot took part in the said competition.

Event Coordinator: Prof. Prashant Maheta.

Judge Panel: Prof. C.S.Thaker, Prof. K.Rathod, Prof. A.M.Joshi, Prof. P.I.Bhatt, Prof. Jay Pandya

Winner Logo Designed By: Bhavin Dhandhukiya (Alumni EC- GECR)

Runners Up: Riyaz Sheikh (ELE-GECR), Yash Gohel (ELE-GECR)

VIRTUAL LAB ACTIVITIES

Virtual lab is national level MHRD funding project coordinate by the various IITs. Our college is one of the nodal centers of virtual lab coordinating with IIT Bombay. We have conducted various workshops for the staffs and students at our college and also for the outreach. Through the virtual lab our students can perform various subject experiments as well as they can implement their innovative ideas using facility created by IITs. Our students are extensively using different Virtual laboratories developed by different IITs to enhance their practical knowledge.

Objective: To enhance practical knowledge of the students by using virtual lab of the different subjects developed by IITs.

Nodal Coordinator: Dr. Hasmukh P Koringa

Departmental Coordinator : Prof. Miral J. Patel

Nodal Technical Coordinator: Prof. Trupti M Kodinariya

EC Department Utilized total 39 Experiments from the VLAB facility.

Sr. No.	Date	Department	Total User	Total Usages
1	15/2/2020	EC	12	91
2	18/3/2020	EC	69	484
3	5/10/2020	EC	56	709
4	8/10/2020	EC	44	518
5	17/10/2020	EC/Electrical	78	615
		Total Usage:		**2417**

AZADI KA AMRIT MAHOTSAV CELEBRATION

Azadi Ka Amrit Mahotsav' is an initiative of the Government of India to celebrate and commemorate 75 years of independence of progressive India and the glorious history of its people, culture and achievements. Department of Higher Education and Department of School Education & Literacy have planned various activities under 'Azadi Ka Amrit Mahotsav '. Thus, Gujarat Technological University has decided to celebrate "Azadi ka Amrit Mahotsav" this year. In this regard, Cultural Committee, Government Engineering College, Rajkot organized various competitions.

Slogan Competition:

Date: 27 August, 2021 to 18 September, 2021.

Coordinators: Dr. Namrata Langhnoja and Prof. Urvi Patel.
Participants: 30 students
Judges: Prof. Manju Khuti and Prof. Hetal Dalal
Winners: 1. Bhavya Doshi 2. Kanchva Satypalsinh 3. Aum Paun 3. Shah Divyanshu

Dance Competition:

Date: 7th September, 2021 to 22nd September, 2021
Coordinators: Prof. H. N. Dalal and Prof. K. G. Nandaniya.
Participants: 15 students
Judges: Prof. Krunali Savaliya and Prof. Megha Patel
Winners: 1. Bhatt Devanshi 2. Herma Jinal 3. Prabhanshu Abrol

GIF Creativity Competition:

Date: 15th September, 2021 to 20th September, 2021
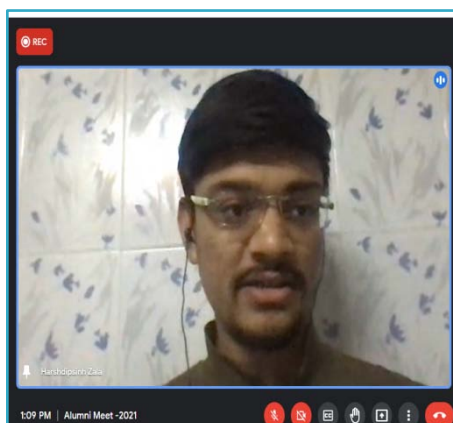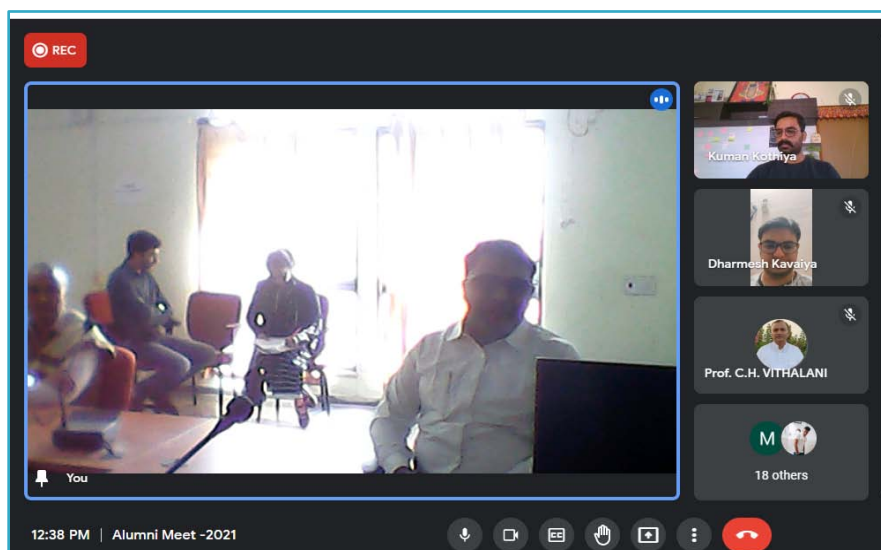**Coordinators:** Prof. H. M.Rathod.
Participants: 37 students
Judges: Prof. Chintan Varnagar and Prof. Shyam Kotecha
Winners: 1. Ritik Singh 2. Vivek Badarshahi 3. Jeel Rupapara

ALUMNI MEET 2021

The 4th official Alumni meet of GEC, Rajkot was organized by Alumni Association on 18th December, 2021. The meet commenced with the welcome address by the Principal, Dr. C. H. Vithalani. He communicated the importance of alumni association in professional courses and prompted all to get connected through AAG android application. Alumni from all branches took part in the meet in major count. The entire session remained quite interactive with alumni interacting with each other and sharing their experiences. The meet got conducted on Google meet platform.

SAKSHAM EVENT
IN ASSOCIATION WITH
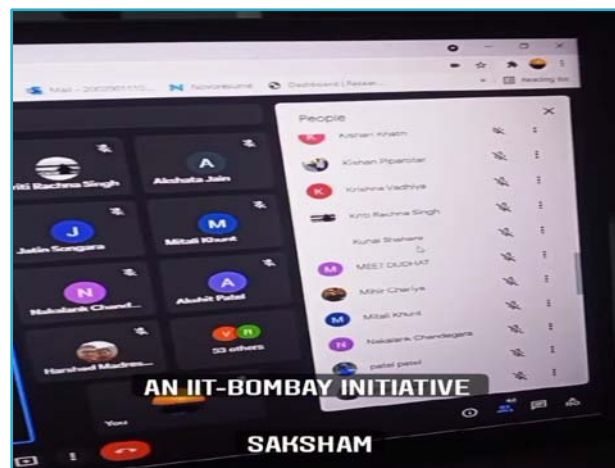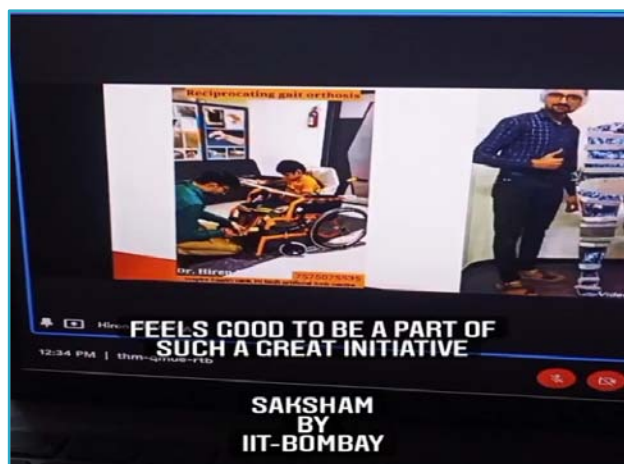# INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY (IITB)

Saksham, an Initiative by Techfest, IIT Bombay, Asia's Largest Science & Technology Festival, aims to support and introduce healthy individuals and physically challenged people to new technologies for their betterment. It focuses on spreading awareness among them regarding the laws and policies which can be used as an aid. If provided with the right support at the right time, disabled people can become the choosers of their destiny, and providing that support is a collective responsibility of all citizens, Government, NGOs, and service providers.

Techfest, in association with major NGOs in India, has launched one of the country's most extensive initiatives to enrich the lives of Persons with Disabilities.

Saksham in Government Engineering College, Rajkot was brought by **Shubham M. Singh** (IIT BOMBAY Campus Ambassador) of EC Dept. under the supervision of **Prof. Jay Pandya**. An Awareness program was held 24th October, 2021 for the students of GECR. More than 100 students participated the event. All the participants were awarded by certificates.

Dr. Hiren Babariya was the speaker for the event and showed us how he is bringing smiles on people's faces that are physically challenged.

It was a great awareness session. Procedures after death is a hard discussion but the guest carried it out very smoothly, taking care of the emotions of the audience. We were told that our contribution towards this planet matters and organ donation is a great way to do that, eye donation is needed in India and the youth of this country is willing to carry forward the good, after me my eyes can bring light to someone and that feeling & sense of service is itself great. Audience was keenly interested, we had a 45 minutes Q&A session in the end that shows that BBDNIIT students have taken the first step. This seminar ended on a great note to serve humanity even after death.
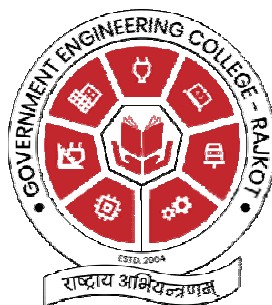
Advisors:

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Prof.S.B.Parmar

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Newsletter Team – EC Department

Prof Jay Pandya

Prof. Niranjan Agravat

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Government Engineering College, Rajkot.**