

E-Newsletter of Electronics & Communication Engg. Department (January to June-2021)

Greetings from Electronics & Communication Engineering Department - GEC, Gandhinagar!!

We are back again with a new altitude and attitude while presenting the E-newsletter of the E & C Department (Jan-June 2021) from the desk of the Head of Department-E&C.

*As per the Vision & Mission statements of this department, we are imparting quality education in the field of E&C Engineering and allied areas through various means of teaching-learning process i.e. Use of ICT in almost all semester classes, Use of E-Classroom provided by Microsoft Teams, Use of Virtual Laboratory (Supported By IITs) and so on. And even in the midst of the second wave of pandemic CoVID-19, we together have proved that "**no-one can stop us from teaching-learning**".*

The faculties of E&C dept. committed to their role of being a teacher-cum-mentor-cum-facilitator during this tough time and with the continuing wholehearted support from the students and alumni of E&C department, we will keep achieving the greater heights at our best.

This E-Newsletter encapsulates all such moments to cherish with all my beloved stakeholders of E&C Department. Keep that spirit of Teaching-Learning alive!

Stay Healthy and Stay Safe.

Best Wishes,

Prof. (Dr.) Kishor G. Maradia

Head of E&C Dept. - GEC-Gandhinagar

About the Institute: [GEC-Gn](#)



Vision of the Institute:

To be a premier engineering institution, imparting quality education for innovative solutions relevant to society and environment.

Mission of the Institute:

- *To develop human potential to its fullest extent so that intellectual and innovative engineers can emerge in a wide range of professions.*
- *To advance knowledge and educate students in engineering and other areas of scholarship that will best serve the nation and the world in future.*
- *To produce quality engineers, entrepreneurs and leaders to meet the present and future needs of society as well as environment.*

About the Department: [E&C Dept.](#)

Vision of the E&C Department:

To produce globally competitive and resourceful EC Engineers to bring out research, innovation and teamwork for development in various fields of Electronics and Communication Engineering.

Mission of the E&C Department:

- *To impart quality education in the fields of Electronics and Communication Engineering through effective teaching-learning processes, well equipped laboratory facilities and collaborative ventures with industries.*
- *To provide the students of E&C engineering an environment of an academic freedom that will ensure the exchange of ideas and the dissemination of knowledge in this discipline.*
- *To provide the platform for students to perform the project work related to needs of society.*

Program Educational Objectives (PEOs) of E&C Department:

I. To prepare graduates to excel in postgraduate programmes or pursue higher studies or to succeed in industry/ technical profession through global, rigorous education.

II. To train graduates with good scientific and engineering breadth so as to comprehend, analyze, design, and create novel products and solutions for the real life problems.

III. To inculcate in graduates professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate engineering issues to broader social context.

Program Specific Outcomes (PSOs) of E&C Department:

PSO-I: The ability to implement and apply knowledge of Electronics and Communication Engineering subjects in the analysis, design and development of various types of electronic and communication systems.

PSO-II: Demonstrate soft skills, aptitude and technical skills & knowledge to work in the industry and Research and Development organization.



Faculties @ E&C Dept.



MR. KISHORKUMAR MARADIA

DESIGNATION	: PROFESSOR
QUALIFICATION	: PH.D.(ELECTRONICS & COMMUNICATION)
EXPERIENCE	: 25 YEARS
AREA OF INTEREST	: WIRELESS COMMUNICATION & NETWORKS, OPTICAL COMMUNICATION & NETWORKS, SATELLITE COMMUNICATION, DIGITAL COMMUNICATION, IMAGE PROCESSING, REMOTE SENSING .



MR. TEJASKUMAR SHETH

DESIGNATION	: ASSOCIATE PROFESSOR
QUALIFICATION	: M.E.(COMMUNICATION SYSTEM ENGINEERING)
EXPERIENCE	: 17 YEARS
AREA OF INTEREST	: SIGNAL PROCESSING



MS. AVANI VYTHALANI

DESIGNATION	: ASSISTANT PROFESSOR
QUALIFICATION	: M.E.(E&C)
EXPERIENCE	: 12 YEARS
AREA OF INTEREST	: WIRELESS COMMUNICATION



MR. JIGNESH BHAVSAR

DESIGNATION : ASSISTANT PROFESSOR
QUALIFICATION : MASTER OF ENGINEERING
EXPERIENCE : 30 YEARS
AREA OF INTEREST : IMAGE PROCESSING, SIGNAL PROCESSING



MR. ABHINAV DAVE

DESIGNATION : ASSISTANT PROFESSOR
QUALIFICATION : ME
EXPERIENCE : 10 YEARS
AREA OF INTEREST : ELECTRONICS AND COMMUNICATION



MR. SUNILBHAJI PATEL

DESIGNATION : ASSISTANT PROFESSOR
QUALIFICATION : M.E. IN ELECTRONICS AND COMMUNICATION SYSTEMS
EXPERIENCE : 10 YEARS
AREA OF INTEREST : DIGITAL IMAGE PROCESSING, COMPUTER NETWORK, INTERNET OF THINGS



MR. DEVINDRAKUMAR PATEL

DESIGNATION : ASSISTANT PROFESSOR
QUALIFICATION : B.E.(EE), M.E.(EC-CSE)
EXPERIENCE : 10 YEARS
AREA OF INTEREST : EMBEDDED SYSTEM, VLSI, IMAGE PROCESSING



MR. MULESHUMAR BANKAR

DESIGNATION : ASSISTANT PROFESSOR
QUALIFICATION : M.E. (COMMUNICATION SYSTEM ENGINEERING)
EXPERIENCE : 10 YEARS
AREA OF INTEREST : SIGNAL PROCESSING, WIRELESS COMMUNICATION



MR. SHAHID MOHAMMED MODADGA

DESIGNATION : ASSISTANT PROFESSOR
QUALIFICATION : PH.D
EXPERIENCE : 10 YEARS
AREA OF INTEREST : ANALOG ELECTRONICS, RF & MICROWAVE



MR. SANDEEP DARDIA

DESIGNATION : ASSISTANT PROFESSOR
QUALIFICATION : PURSUING PHD AND MASTER OF ENGINEER IN COMMUNICATION SYSTEM ENGINEERING
EXPERIENCE : 10 YEARS
AREA OF INTEREST : WIRELESS COMMUNICATION, ADVANCE CHANNEL CODING TECHNIQUES, INFORMATION THEORY



MS. NISHA PRAJAPATI

DESIGNATION : ASSISTANT PROFESSOR
QUALIFICATION : M.E.E.C.
EXPERIENCE : 10 YEARS
AREA OF INTEREST : SIGNAL PROCESSING



MR. SANDEEP RAJPUT

DESIGNATION	➤ ASSISTANT PROFESSOR
QUALIFICATION	➤ MASTER OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING
EXPERIENCE	➤ 4 YEARS
AREA OF INTEREST	➤ FREE SPACE OPTICAL COMMUNICATION, DIGITAL COMMUNICATION



MR. UJJWAL SAHU

DESIGNATION	➤ ASSISTANT PROFESSOR
QUALIFICATION	➤ M.TECH (ELECTRONICS & COMMUNICATION)
EXPERIENCE	➤ 4 YEARS
AREA OF INTEREST	➤ EMBEDDED SYSTEMS, COMMUNICATION



MISS. DEVAL RATHNAGAR

DESIGNATION	➤ ASSISTANT PROFESSOR
QUALIFICATION	➤ B.E.
EXPERIENCE	➤ 13 YEARS
AREA OF INTEREST	➤ ELECTRONICS & COMMUNICATION



MR. RISHABH GAGAR

DESIGNATION	➤ ASSISTANT PROFESSOR
QUALIFICATION	➤ B.E. ELECTRONICS & COMMUNICATION ENGINEERING
EXPERIENCE	➤ 13 YEARS
AREA OF INTEREST	➤ MICROPROCESSOR, MICROCONTROLLER AND INTERFACING



**MR. BHARATSHAH
PARMAR**
INSTRUCTOR



Facilities @ E&C Dept.



At E&C Department, students are trained across the entire spectrum, which goes much beyond curriculum. E&C Department is having six separate laboratories with all sophisticated equipment, instruments & trainers under State Government & TEQIP-II grant. **We feel proud to have the state of the art facilities in the following four major technical areas to be treated as "Four Pillars of E&C Dept."** namely **1. Wireless & Satellite Communication**, **2. Design Laboratory (sponsored by GUJCOST-DST)**, **3. IOT Centre (Supported by INTEL)**, **4. Antennas & RF**. This includes many sophisticated instruments i.e. WiCOMM (Wireless Communication) Trainer Kit, SATCOM Trainer Kit, Handheld Spectrum Analyzer, Embedded system development board, Mixed signal Oscilloscope, IOT Board (Intel Galileo Gen-2), IRNSS Receiver (NavIC), Software Defined Radio (SDR) Kit, Electronics Workbench etc. The above facilities are being utilized widely for research & development purpose to UG, PG & PhD Students of the Institute as well as across the state of Gujarat.

Glimpses of Lab Facilities...







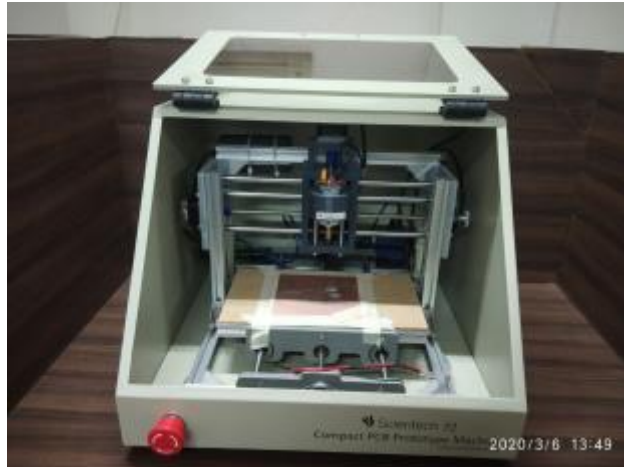




1 - Design Components



2 - Design Components



3 - Design Components



4 - Design Components



In this issue...



In this issue, we will take you to the glimpse of the following activities undergone by the E&C Dept. during the period of **January to June-2021**.

-
- **Department Activities:**
 - **Faculty Achievements (includes Faculty Expert talks /Training / Publications / Noteworthy Achievement):**
 - **Placement Statistics:**
 - **Societal Activity:**
 - **Student's Activities (includes Self-learning/Content beyond syllabus by Students, Student's Co-Curricular & Extra Curricular Achievements):**
 - **Alumni Achievements:**
 - **Creative Corner of E&C Dept.:**
-

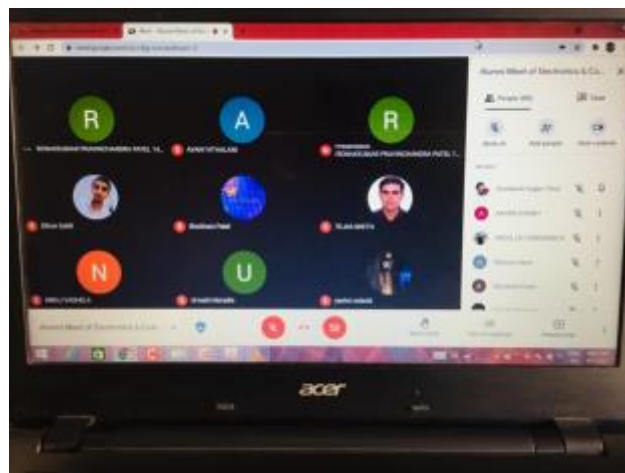
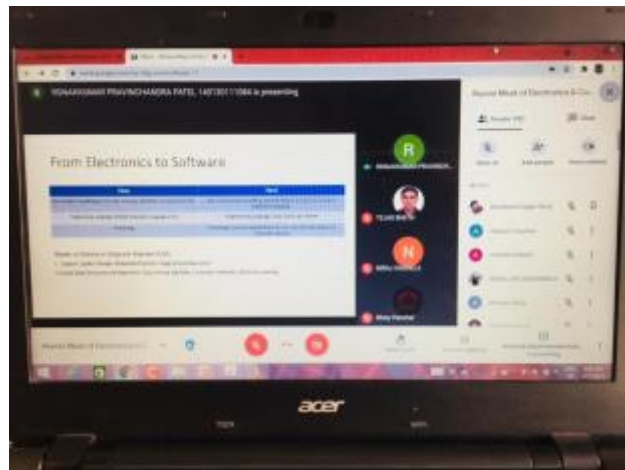
Department Activities:

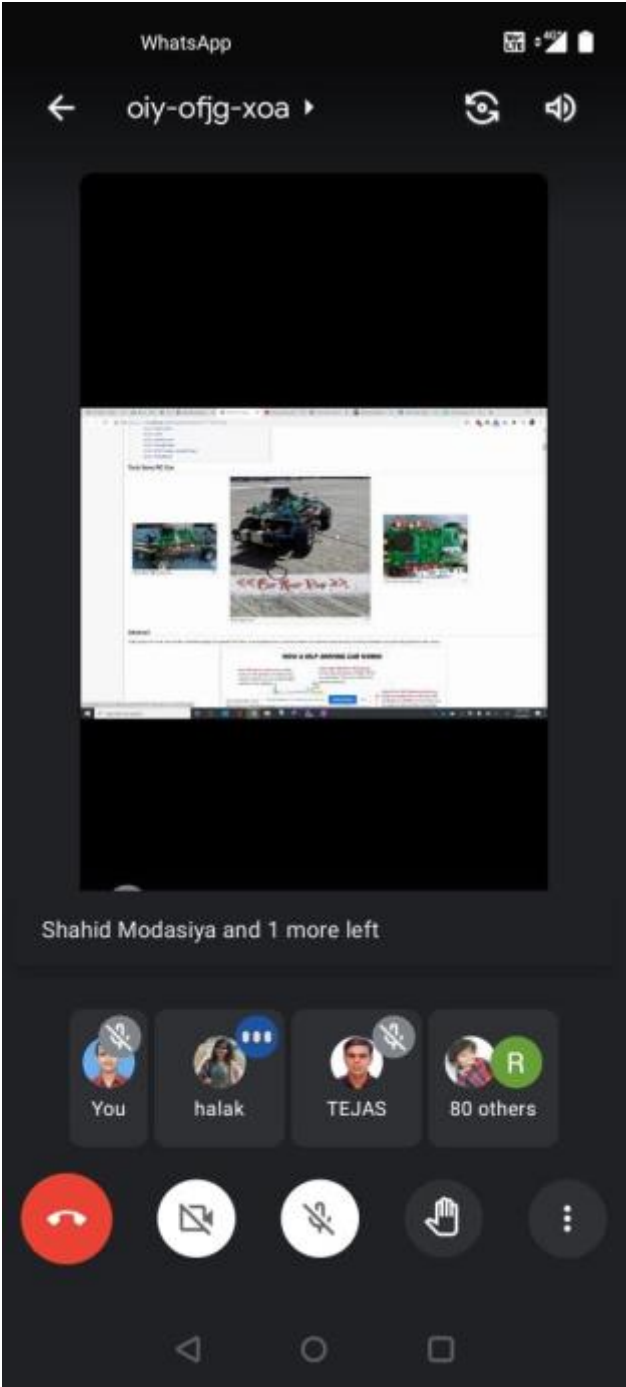


E&C Online Alumni Meet- 2021



The Department of ELECTRONICS & COMMUNICATION ENGINEERING had organized an Online Alumni Meet- 2021” for all batches on 11th April 2021-Sunday through Google meet platform. In total, 95 nos. stakeholders have participated in this online alumni meet. Our alumni and faculty members have participated in this Online Meet by delivering the expert talk and sharing their memories with the department, most of them volunteered to render services for the benefit of the current students of Electronics & Communication Engineering Department, Government Engineering College, sector-28, Gandhinagar.





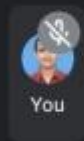
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Patel Devang joined



You



Rushikesh

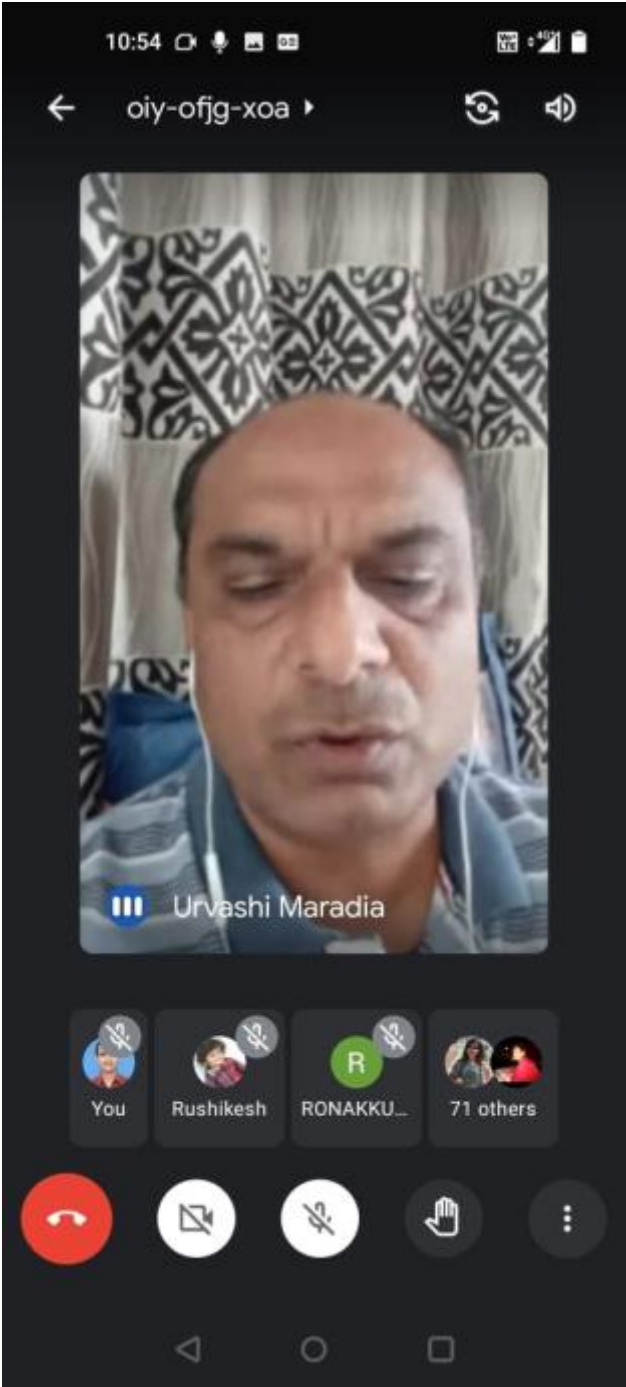


RONAKKU...



77 others





9:48

4G



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From Electronics to Software

Start	Next
Up to Basic Electronics (Physics, chemistry and other Fundamentals of EE)	Even if you have some background in EE, you will find it very interesting to implement programs.
Programming language: Starts learning C language and C++	Programming language: Java, JavaScript, Python.
Working	Working on different projects if you do not have a lot of experience in software development.

Master of Science in Computer Engineering (MSA)

* Subject: System Design, Embedded Systems, Image processing (CV)

Advanced Data Structures and Algorithms, Data Mining, Big Data, Computer Networks, Machine Learning



RONAKKUMAR PRAVINC...



You



RONAKKU...



ADHIKSINH



71 others





About this call

People

Info

ADD OTHERS



Share joining info

IN CALL



Nilesh Banker (You)



Aakash Chauhan



AAYRIN SHAIKH



Abhinav Dave



Abhishek Singh



Adarsh Thummar



ADHIKSINH ZALA



Amit Jha



AVANI VITHALANI

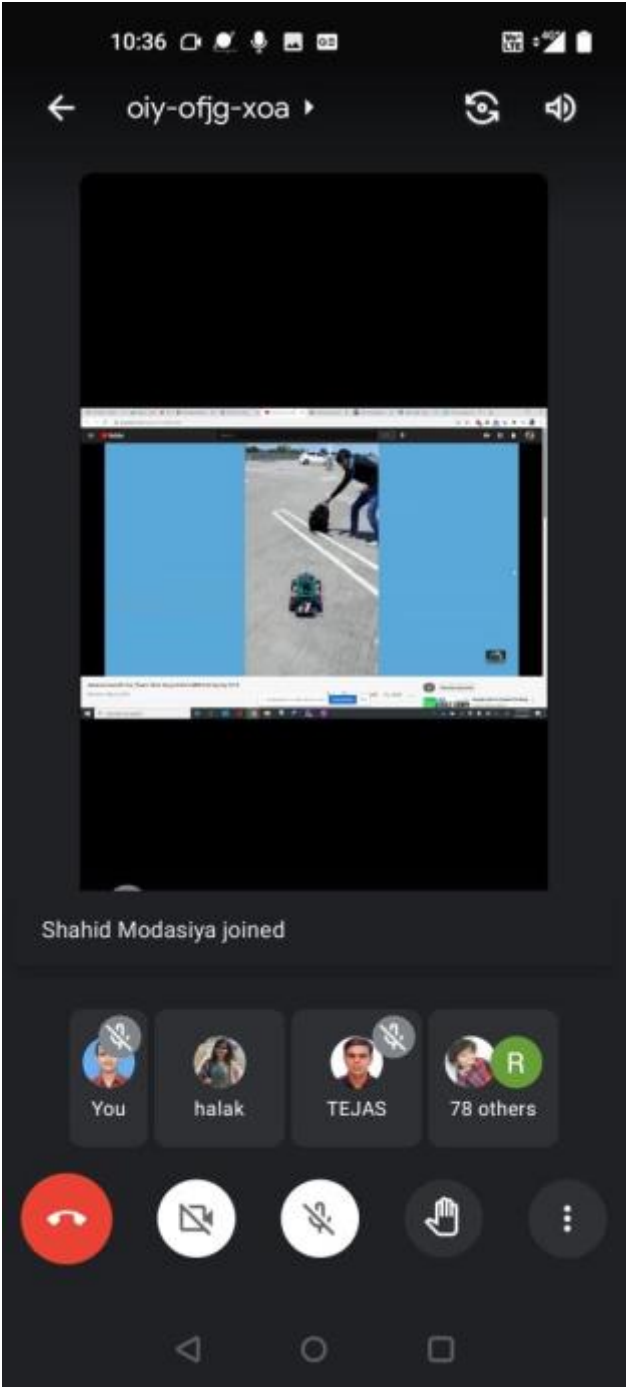


Baldaniya Kalpesh



N. S. S. S.





11/04/2021 Time - 9:30 AM to 11:00 AM

Sr. No.	Time	Events	Presenter
1	09:30 AM to 09:35 AM	Prayer	Students of Government Engineering College, Gandhinagar
2	09:35 AM to 09:40 AM	Welcome Address	Prof. Tejas B Sheth, Associate Professor(EC), Government Engineering College, Gandhinagar.
3	09:40 AM to 10:10 AM	Expert Talk by Alumni on "My journey in full-stack (MongoDB, ExpressJS, ReactJS, NodeJS) and career Opportunities in Industry"	Mr. Ronakkumar P Patel Software Engineer / Full Stack Web Developer at Apple inc. (USA)
4	10:10 AM to 10:40 AM	Expert Talk by Alumni on "My journey in Embedded System ~"	Ms. Pooja Shah Junior Embedded Engineer at Digital Reach Pvt. Ltd, Ahmedabad
5	10:40 AM to 10:45 AM	Feedback/Review/Opinion about department	Prof. Rushikesh B Gajjar Faculty coordinator, Asst. Professor (EC), Government Engineering College, Gandhinagar
6	10:45 AM to 10:55 AM	Speech of Head of Department	Prof. (Dr.) Kishor. G. Maradia, Head of Department(EC), Government Engineering College, Gandhinagar.
7	10:55 AM to 11:00 AM	Vote of Thanks	Prof. Rushikesh B Gajjar Faculty coordinator, Asst. Professor (EC), Government Engineering College, Gandhinagar

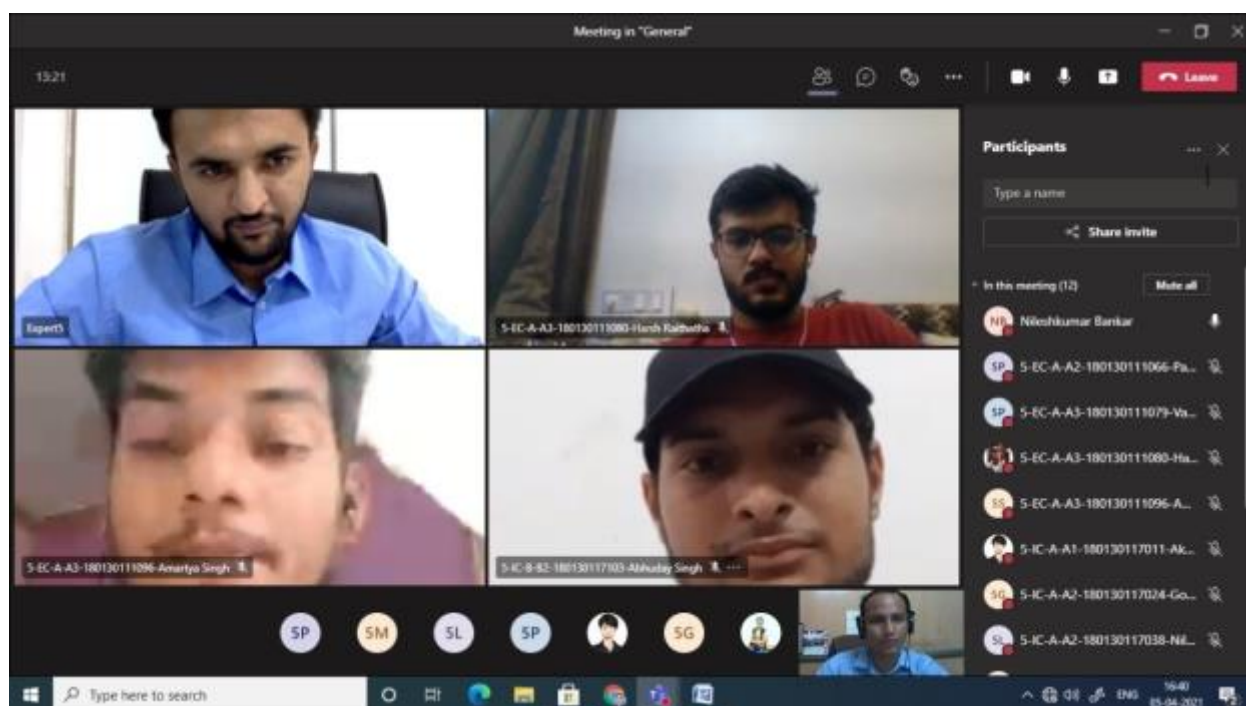
Tech Talks @ EC Dept.



During the Online Alumni Meet-2021, department has arranged a technical talk from alumnus towards the larger benefits of stakeholders of E&C department.

Sr. No.	Topic of the talk	Expert Details	Date & Mode of Conduction
1	My journey in full-stack (MongoDB, ExpressJS, ReactJS, NodeJS) and career Opportunities in Industry	Mr. Ronakkumar P Patel Software Engineer / Full Stack Web Developer at Apple inc. (USA)	Dt. 11/04/2021 via Online Platform: Google Meet as part of Alumni Meet-2021.
2	My journey in Embedded System	Ms. Pooja Shah Junior Embedded Engineer at Digital Reach Pvt. Ltd, Ahmedabad	Dt. 11/04/2021 via Online Platform: Google Meet as part of Alumni Meet-2021.

Finishing School Program - 2021

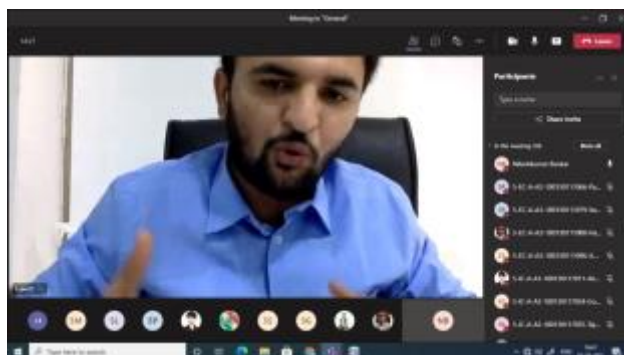
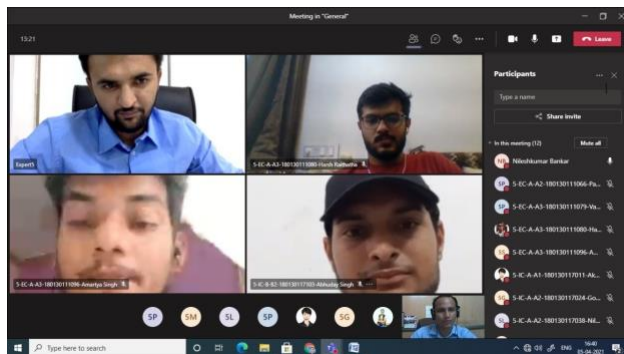


Electronics & Communication Engineering Department, Govt. Engg. College, Gandhinagar has organized Finishing School Programme(FSP), one of the flagship programs started by Knowledge Consortium of Gujarat established by the Department of Education, Government of Gujarat towards enhancing the Soft-Skills and related activities for the benefit of students.

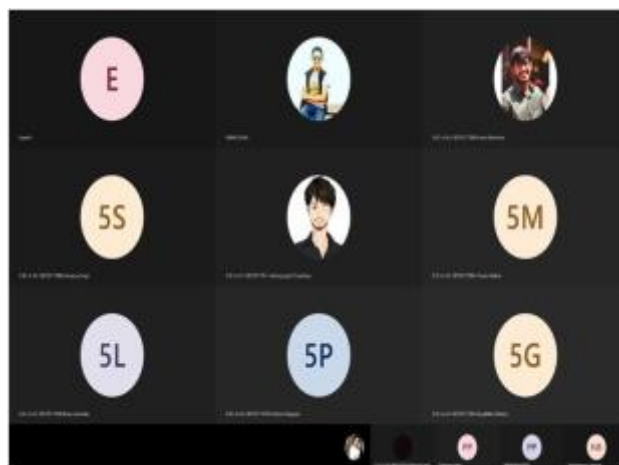
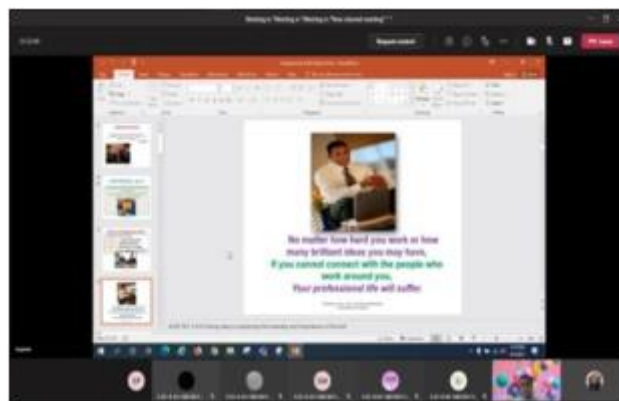
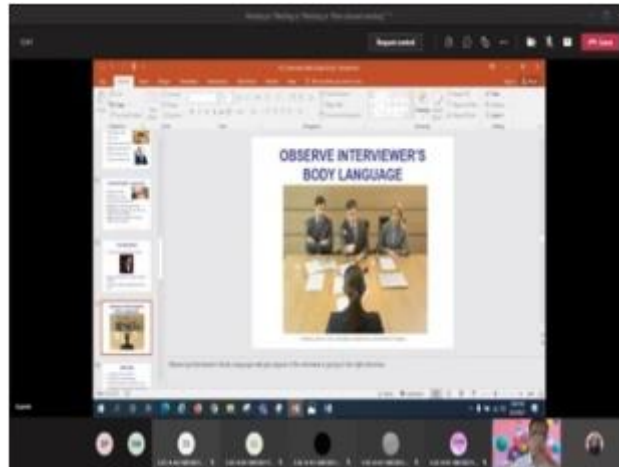
In total, 52 Students of Pre-Final Year E&C students have been benefited by this Finishing School Programme(FSP) in two consequent batches during the following schedule:

Batch-1: Duration : 01/04/2021 to 05/04/2021 Resource Person: Mr. Ershad Ali Syed, Empanelled KCG Trainer

Batch-2: Duration : 05/04/2021 to 14/04/2021 Resource Person: Mr. Mehul Soni, Empanelled KCG Trainer





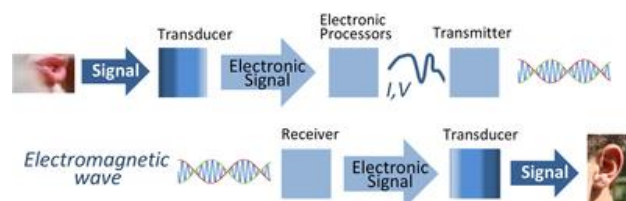




Faculty Achievements:



EC Faculty- Expert Talks :



Sr. No.	Name of Faculty	Topic	Date	Venue
1	PROF. AVANI A. VITHALANI	SPECTRUM SENSING TECHNIQUES IN COGNITIVE RADIO	3/3/2021	MIND MERGER MEET AT CE DEPT, GEC-GANDHINAGAR
2	PROF. SUHAS H. PATEL	HANDS ON SESSION: MICROCONTROLLER INTERFACING	6/3/2021	MIND MERGER MEET AT CE DEPT, GEC-GANDHINAGAR
3	PROF. DEVENDRA H. PATEL	VLSI: FROM INTRODUCTION TO APPLICATION	4/3/2021	MIND MERGER MEET AT CE DEPT, GEC-GANDHINAGAR
4	PROF. NILESH M. BANKAR	RECENT TRENDS IN WIRELESS NETWORKS	5/3/2021	MIND MERGER MEET AT CE DEPT, GEC-GANDHINAGAR
5	PROF. SHAHID S. MODASIYA	HANDS ON SESSION: MICROSTRIP PATCH ANTENNA DESIGN USING SIMULATOR	2/3/2021	MIND MERGER MEET AT CE DEPT, GEC-GANDHINAGAR



MIND MERGER E-MEET

- let's merge the urge

Application of spectrum sensing in cognitive engineering
Prof. Avani Vithalani
3/3/2021
3 PM to 4 PM

Hands on session: Microcontroller interfacing
Dr. Suhas H. Patel
6/3/2021
3 PM to 4:30 PM

Spectrum sensing techniques in cognitive radio
Prof. Avani Vithalani
3/3/2021
3 PM to 4:30 PM

REGISTER HERE

<https://forms.gle/erHjKmPHGdfoaW1T9>

JOIN US

http://tiny.cc/mind_merger_meet

VLSI: from introduction to application
Prof. Devendra Patel
4/3/2021
2 PM to 3:30 PM

Recent trends in wireless networks
Prof. Nilesh Bankar
5/3/2021
2 PM to 3:30 PM

Hands on session: Microcontroller interfacing
Prof. Suhas Patel
6/3/2021
3 PM to 4:30 PM


Dr. Shweta Dave
Principal


Dr. D.A. Parkar
HOD, CE


Prof. J.S. Shah
Event Co-ordinator


Dr. Pinal Patel
Event Co-ordinator
Designed by Shweta Dave

E&C Faculty -Training:



<i>Sr. No.</i>	<i>Name of Faculty</i>	<i>Training Title</i>	<i>Duration</i>	<i>Venue</i>
1	Prof. Nisha K. Prajapati	Introduction to Machine Learning	18/1/2021 to 9/4/2021	NPTEL Online Course
2	Prof. Nisha K. Prajapati	Computer Vision and Image Processing- Fundamentals and Applications	18/1/2021 to 9/4/2021	NPTEL Online Course
3	Prof. Sandip J. Dawda	Principles of Digital Communications	18/1/2021 to 9/4/2021	NPTEL Online Course
4	Prof. Sandip J. Rajput	Microwave Integrated Circuits	18/1/2021 to 12/3/2021	NPTEL Online Course
5	Prof. Shahid S. Modasiya	Microwave Integrated Circuits	18/1/2021 to 12/3/2021	NPTEL Online Course
6	Prof. Ujjval R. Dave	Microwave Integrated Circuits	18/1/2021 to 12/3/2021	NPTEL Online Course
7	Prof. Devendra H. Patel	Transmission Lines and Electromagnetic waves	18/1/2021 to 9/4/2021	NPTEL Online Course
8	Prof. Avani A. Vithlani	NBA Accreditation and Teaching- Learning in Engineering (NATE)	18/1/2021 to 9/4/2021	NPTEL Online Course
9	Prof. Jignesh K. Bhavsar	NBA Accreditation and Teaching- Learning in Engineering (NATE)	18/1/2021 to 9/4/2021	NPTEL Online Course
10	Prof. Sandip J. Dawda	NBA Accreditation and Teaching- Learning in Engineering (NATE)	18/1/2021 to 9/4/2021	NPTEL Online Course
11	Prof. Shahid S. Modasiya	NBA Accreditation and Teaching- Learning in Engineering (NATE)	18/1/2021 to 9/4/2021	NPTEL Online Course
12	Prof. Tejas B. Sheth	NBA Accreditation and Teaching- Learning in Engineering (NATE)	18/1/2021 to 9/4/2021	NPTEL Online Course
13	Prof. Abhinav J. Dave	English Language for competitive exams	18/1/2021 to 9/4/2021	NPTEL Online Course
14	Prof. Nilesh M. Bankar	Ahmedabad Learning Dialogues - A Conference on Teaching and Learning	14/5/2021 to 15/5/2021	Ahmedabad Uni.- Online
15	Prof. Suhas H. Patel	English Language for competitive exams	18/1/2021 to 9/4/2021	NPTEL Online Course
16	Prof. Kishor G. Maradia	Universal Human Values	22/3/2021 to 26/3/2021	AICTE
17	Prof. Tejas B. Sheth	Universal Human Values	22/3/2021 to 26/3/2021	AICTE

EC Faculty- Publication:



Sr. No.	Name Of Faculty	Title of paper	Journal/Conference	Date
1	Prof. S. S. Modasiya	A Surface Edge Cutout Microstrip Patch Antenna For 5g Applications	Rt&a, Special Issue No 1	Volume 16, January 2021
2	Prof. S. S. Modasiya	A Parametric Analysis And Simulation Study Of Planar Inverted F Antenna For 5g Dongle Application	2021 6th International Conference For Convergence In Technology	3rd And 4th April 2021 Pune India

EC Faculty- Noteworthy Achievement:



Prof. Avani A. Vithalani was awarded with PhD degree in the branch of Electronics & Communication Engineering with the Title of Thesis" Optimization of Spectrum Sensing Techniques in Cognitive Radio" from GTU in June-2021.

Congratulations to Prof. (Dr.) Avani A. Vithalani !



GUJARAT TECHNOLOGICAL UNIVERSITY
(Established by Government of Gujarat under Gujarat Act No. : 30 of 2007)
ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી
(ગુજરાત સરકારના ગુજરાત અધિનિયમ ક્રમાંક : ૩૦/૨૦૦૭ હેઠળ સ્થાપિત)

Ref. GTU/PhD/Thesis/Notification/2021/ 2994

Date: 11/6/2021

DOCTOR OF PHILOSOPHY

NOTIFICATION NO.: 47/2021

It is hereby notified that the University, after considering the reports of the examiners concerned, has accepted the thesis submitted by the following research scholar:

Name of Research Scholar : Avani Arvind Vithalani
Enrollment No. : 149997111001
Branch Name : Electronics & Communication Engineering
Title of Thesis : Optimization Of Spectrum Sensing Technique In Cognitive Radio
Name of Supervisor : Dr. C. H. Vithalani
Date of Viva - Voce : 03/06/2021
Entered Register Page No. : 82, Sr. No. : 304

The University declares Avani Arvind Vithalani eligible for award of the degree of "Doctor of Philosophy" (Ph.D.) of Gujarat Technological University, Ahmedabad.

The above notification is issued in accordance with order of Hon'ble Vice-Chancellor


Registrar

Copy forwarded with complements to:

1. Avani Arvind Vithalani, 31- Nareswar Bunglows, Near Amruta Vidyalaya, Ghatkodia, Ahmedabad, Gujarat-380061



Winners of: "Best Engineering University of India 2020" ♦ "1st Rank Among All Universities in Gujarat 2021 by the Road"
♦ "1st Rank in Gujarat State Institutional Ratings Framework (GSIR) 2019" ♦ "National Leadership Excellence Award 2019 in Technical Education" ♦ "India's Most Trusted State University 2018" ♦ "Outstanding University in West India 2018"
Head office : GTU Campus, Nr. Vast Three Road, Vast-Gandhinagar Road, Chaudhkheda, Ahmedabad - 382 434, Gujarat, India.
Phone : (+91) 79-2528752/578 e-mail : info@gtu.ac.in Website : www.gtu.ac.in

1. **Prof. Nilesh M. Bankar has submitted the Minor Research Project Completion Report title on "Design and Implementation of Reconfigurable Digital Filter and Filter Banks for spectrum sensing in Cognitive Radio" to O/o GUJARAT COUNCIL ON SCIENCE & TECHNOLOGY, Dept of Science and Technology, Govt. of Gujarat on Dt. 31/03/2021.**

Congratulations to Prof. Nilesh M. Bankar !

EC - Placement Details:

Placement Detail: 2021 Pass out Batch

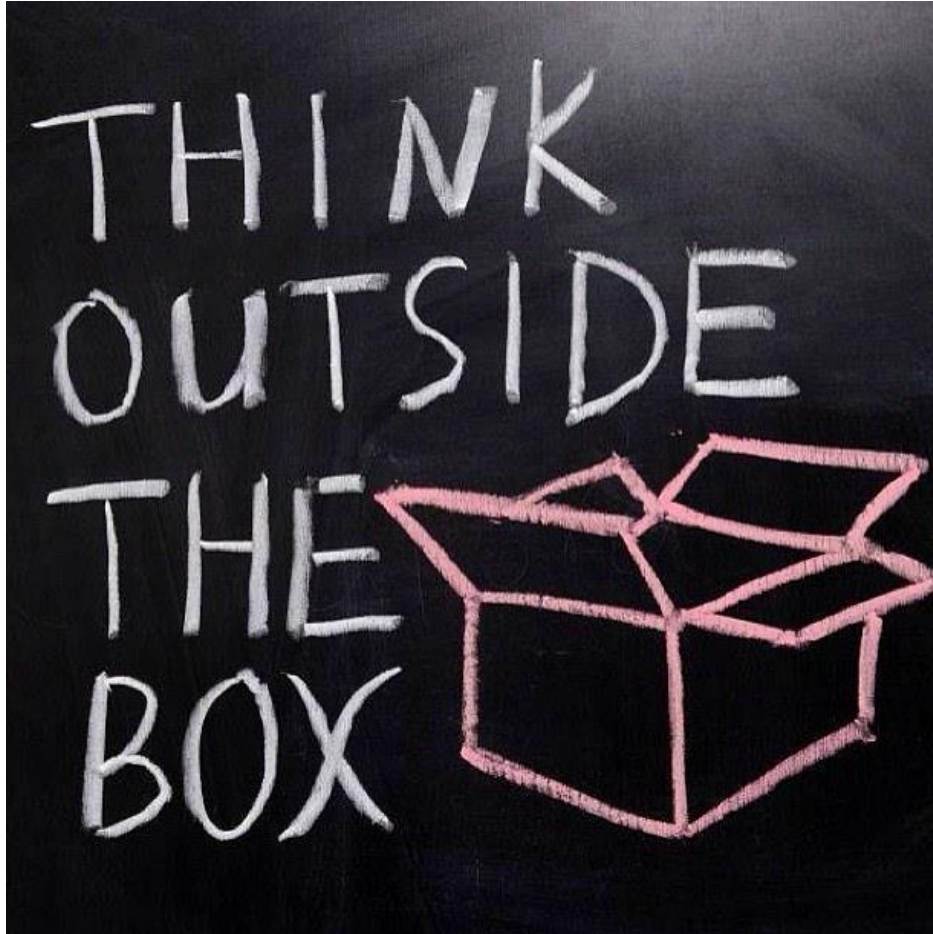
Sr. No	Name of student	Name of Company
1	SAI ROHIT M	TCS
2	JISHAN SHAIKH	TCS
3	MIHIR J. BHAYANI	TCS
4	MANN LIMBACHIYA	TCS
5	BHASKAR SAIVINAY JEEBULA	TCS
6	VYOMA R. DIXIT	TCS
7	ANOOP SHARMA	TATVASOFT
8	TINKU BALANI	TATVASOFT
9	AMATULLA RANGWALA	TEKSUN
10	MOHAMMED RUPAWALA	TEKSUN
11	SONAL B. BHUT	TEKSUN
12	VYOMA K. PATEL	TEKSUN
13	PRATIK BHATIA	TEKSUN
14	NISHA GARACH	NETTYFY
15	SHIVAM PANDYA	ISHAN ITECH
16	HARSH GAJJAR	ISHAN ITECH
17	NIRAN KADRI	METTEYYA
18	MITESHKUMAR	AMNEX

Societal Activity:



સરકારી ઈજનેરી કોલેજ ગાંધીનગર એન.એસ.એસ. યુનિટ દ્વારા કોવિડ-૧૯માં જે પરિવાર સંક્રમિત થયા હોય અથવા આસપાસમાં સંક્રમણ થયું હોય તે પરિવારનો સંપર્ક કરી કોરોનાની દવા જે વધેલી હોય અથવા નહીં વપરાયેલી હોય તેને એકત્રીત કરવામાં આવી હતી. આ દવાઓને સરકારી હોસ્પિટલમાં જરૂરીયાતમંદ વ્યક્તિઓને વિનામૂલ્યે પહોંચાડવાની કામગીરી યુનિટ દ્વારા કરાઈ હતી.

Student's Activities: Self-learning / Content beyond Syllabus (CBS)



Students and faculty members of E&C Dept. are always encouraged towards Self-learning / Content beyond Syllabus(CBS) Activities through various means i.e. attending Webinars, Podcast, MOOC Online Courses etc. to explore the various dimensions in the field of Electronics & Communication & allied areas. Here are few glimpses of Self-Learning/Content beyond syllabus activity details completed by E&C students during the period January to June-2021.

Link to view CBS Responses:

<https://docs.google.com/spreadsheets/d/1buH1TkdHf2YK8abVXyGvVmewKJUKLBmWe7LhAtjWOJo/edit?usp=sharing>

Student's Co-Curricular & Extra-Curricular Achievements:



Ms. Bhatt Nidhi Sudhirbhai student of B.E (Electronics and Communication Engineering) Enrollment No. 190133111004 has successfully completed "Industrial Training" during the 26th, May 2021 To 10th, June 2021.





Certificate of Participation

This certificate is awarded to

Bhakti Parekh

for participating in the Capgemini Tech Challenge 2021 Edition
in the Regional Challenge skill category.

Congratulations



5 - Capgemini Tech Challenge 2021 - Bhakti Parekh



6 - Joshi Harshiv - FSA Certificate



7 - AI Certificate - Bhakti Parekh



8 - Webinar Certificate -Harshiv Joshi



9 - 2021 CAREERLABS CERTIFICATE OF PARTICIPATION - NIDHI BHATT



10 - MASTER CLASS ON DEEP LEARNING CERTIFICATE OF PARTICIPATION - NIDHI BHATT

Student's Extra-Ordinary Achievements:



Ms. AANGISHAH, student of B.E (Electronics and Communication Engineering) Enrollment No. 170130111094 have participated in DD National Robocon 2021 hosted by Indian Institute of Technology, Delhi. Basically two robots were designed and manufactured by a team of young engineers under GTU Team-A & B. Both the teams have cleared the Stage-I of Robocon 2021 . Being a team member of GTU Robocon Team, Aangi Shah have drafted a content for Stage 1. It is a matter of feeling proud and honor that both the teams GTU Team-A and GTU Team-B have qualified for Stage 2 with having a score of 100/100 and 96/100 respectively (Source: <http://www.ddrobocon.in/>).



Stage 1: Results for RO-ROBOCON 2021 (March 25, 2021)

S.No.	University/College/Institute Name	Registration Fee of Rs. 2000	Robotics Score (out of 100)	Design Document (out of 100)	GATE Marks (out of 100)	Total Marks (out of 300)	Ranking
FOLLOWING TEAMS ARE SHORTLISTED FOR STAGE 2							
1	IIT Patna College of Engineering, Bioprocess Technology	Paid	25	25	45	95	
2	Indian Institute of Technology (IIT) Patna	Paid	25	25	45	95	
3	Banar Asian Institute of Technology - Team C (Team leader: Nishu Chandra)	Paid	15	45	40	100	
4	Banar Asian Institute of Technology - Team B (Team leader: Nishu Chandra)	Paid	25	25	45	95	
5	Banar Asian Institute of Technology - Team A (Team leader: Nishu Chandra)	Paid	15	45	40	100	
6	Banar Asian Institute of Technology - Team D (Team leader: Nishu Chandra)	Paid	15	45	40	100	
7	INDIAN INSTITUTE OF TECHNOLOGY (IIT) PATNA	Paid	25	25	45	95	
8	INDIAN INSTITUTE OF TECHNOLOGY (IIT) PATNA	Paid	25	25	45	95	
9	College of Engineering, Pune	Paid	25	25	45	95	
10	IIT Patna College of Engineering, Bioprocess Technology	Paid	25	25	45	95	
11	IIT Patna College of Engineering, Bioprocess Technology	Paid	25	25	45	95	
12	IIT Patna College of Engineering, Bioprocess Technology	Paid	25	25	45	95	
13	INDIAN INSTITUTE OF TECHNOLOGY (IIT) PATNA	Paid	25	25	45	95	
14	INDIAN INSTITUTE OF TECHNOLOGY (IIT) PATNA	Paid	25	25	45	95	
15	INDIAN INSTITUTE OF TECHNOLOGY (IIT) PATNA	Paid	25	25	45	95	
16	INDIAN INSTITUTE OF TECHNOLOGY (IIT) PATNA	Paid	25	25	45	95	
17	INDIAN INSTITUTE OF TECHNOLOGY (IIT) PATNA	Paid	25	25	45	95	

Mr. AMARTYA SINGH, student of B.E (Electronics and Communication Engineering) Enrollment No. 180130111096 secured GATE Score of 445 with AIR:4077 out of 80629 candidates appeared in GATE-2021 Examination.

GATE 2021 Scorecard

Graduate Aptitude Test in Engineering (GATE)

Candidate's Details

Name: **AMARTYA SINGH**

Parent's / Guardian's Name: **RABINDRANATH SINGH**

Registration Number: **EC21S42009001**

Date of Birth: **02-Oct-2000**

Examination Paper: **Electronics and Communication Engineering (EC)**

(Candidate's Signature)

Performance

GATE Score: **445**

Marks out of 100*: **31.67**

Qualifying Marks**:

General	25.0	22.5	16.5
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Number of Candidates Appeared in this paper: **80629**

All India Rank in this paper: **4077**

Valid up to 31st March 2024

Prof. Deepankar Choudhury
Organizing Chairperson, (GATE 2021)
(on behalf of IITB - GATE, for IITB)

The GATE 2021 score is calculated using the formula

$$GATE\ Score = S_p + (S_q - S_p) \left(\frac{M - M_q}{M_q - M_p} \right)$$

where,

M is the marks obtained by the candidate in the paper mentioned on this GATE 2021 scorecard

M_q is the qualifying marks for general category candidate in the paper

M_p is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)

$S_p = 350$, is the score assigned to M_p

$S_q = 950$, is the score assigned to M_q

In the GATE 2021 score formula, M_q is 25 marks (out of 100) or $\mu + \sigma$, whichever is greater. Here μ is the mean and σ is the standard deviation of marks of all the candidates who appeared in the paper.

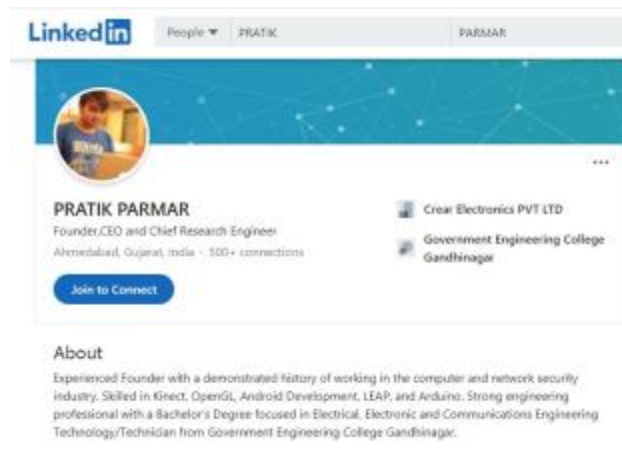
Qualifying in GATE 2021 does not guarantee either an admission to a post-graduate program or a scholarship/scholarship. Admitting institutes may conduct further tests and interviews for final selection.

Codes for XE and XL Paper Sections (compulsory section and any other two sections)

XE: Engineering Sciences	XL: Life Sciences
A - Engineering Mathematics (compulsory)	P - Chemistry (compulsory)
B - Fluid Mechanics	Q - Biochemistry
C - Materials Science	R - Botany
D - Solid Mechanics	S - Microbiology
E - Thermodynamics	T - Zoology
F - Polymer Science and Engineering	U - Food Technology
G - Food Technology	
H - Atmospheric and Oceanic Sciences	

Graduate Aptitude Test in Engineering (GATE) 2021 was organized by Indian Institute of Technology Bombay on behalf of the National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Education (MHE), Government of India.

Alumni Achievement:



14 - Source: <https://in.linkedin.com/in/pratik-parmar-6b4a2550>



SHABBIR DUNGRIWALA
IOT Enthusiastic | Data Analyst (TCS)
3mo • 🌐

I need some time to extend my thankfulness from the heart for this award .It is really big respect for receiving this award. This prize extremely acknowledges my work.

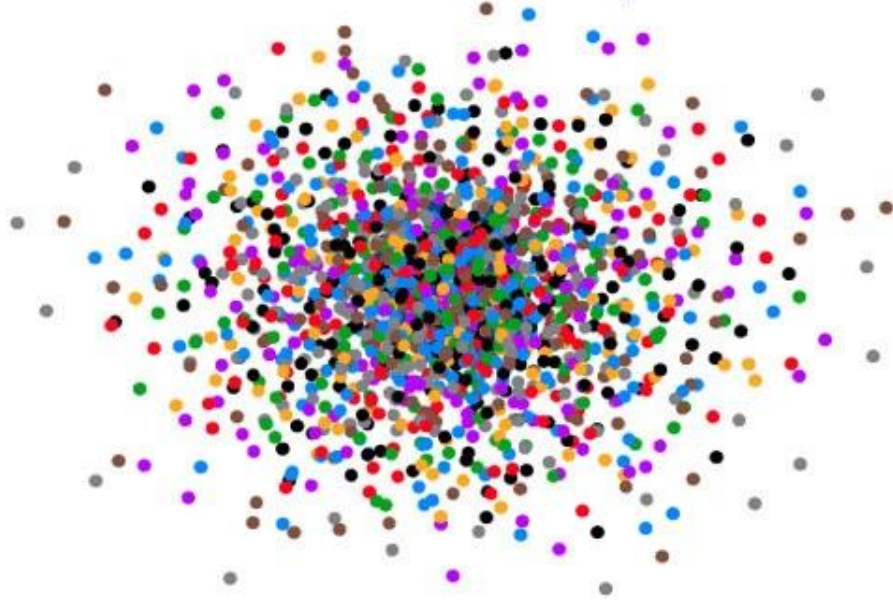
#tcs #tcser

On Spot Award • 1 page



Creative Corner of E&C Dept.

Creativity



15 - Creativity By: Pankti Chauhan Enroll No: 190130111036 -EC Student



16 - Creativity By: Pankti Chauhan Enroll No: 190130111036 -EC Student



17 - Creativity By: ANJALI NAMBIAR Enroll No: 200130111027 -EC Student



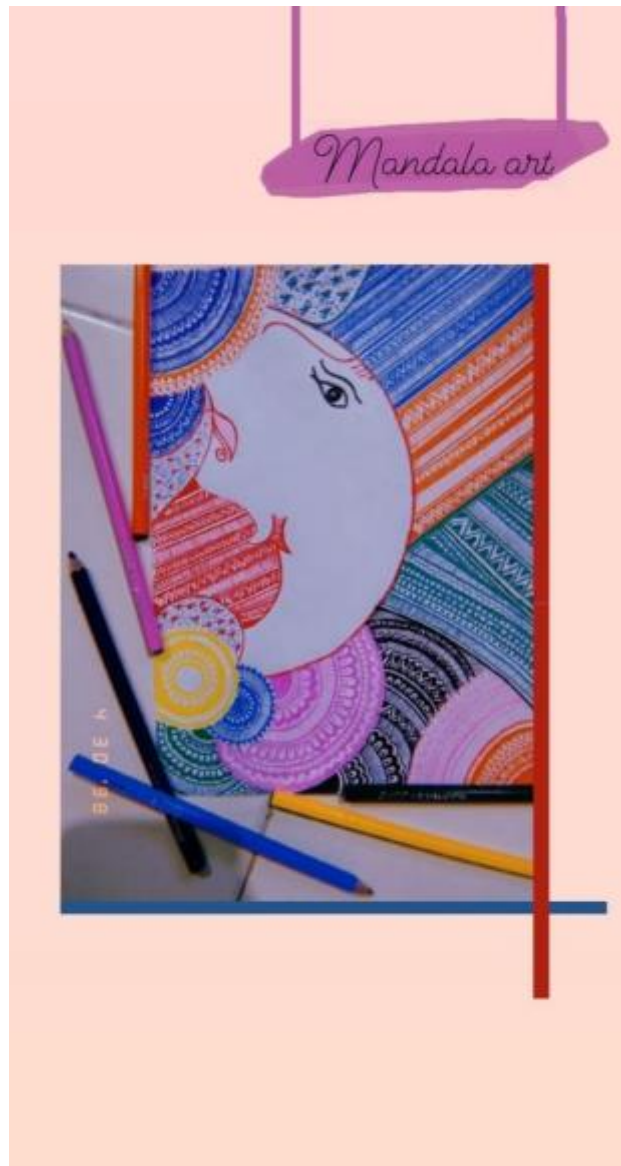
18 - Creativity By: Shivani Singh Enroll No: 200130111018 -EC Student



19 - Creativity By: Yashvi Patel Enroll No: 180130111071-EC Student



20 - Creativity By: Nidhi Bhatt Enroll No: 190133111004 -EC Student



21 - Creativity By: Yashvi Patel Enroll No: 180130111071-EC Student

પતંગોનાં પડધમ હવે શમી ગયા છે,
દોરીનાં ય દાવપેચ હવે ખમી ગયા છે..

આકાશો ઊંચી ઉડાન ભરતાંતા પતંગો કાલે જો,
આજે એ કાગળ બની ને ક્યાંક ઝૂકી રહ્યાં છે..

ઉડીને આંખે લળગતાંતા ફિરકીના રંગો કાલે જો,
આજે એ ગૂંચળા બનીને પગમાં નડી રહ્યાં છે..

બુમો ને બરાડા સાથે ઝૂમતાંતા મિત્રો કાલે જો,
આજે એ પાછી એકલતામાં લીન થઈ રહ્યાં છે..

ચટપટી ને ગળચટી વાનગીઓ આરોગતાંતા કાલે જો,
આજે એ જ હવે આરોગ્યની ચિંતા કરી રહ્યાં છે..

અને અંતે..

અગાશી થી આકાશી નજારો જોતાંતા કાલે જો,
આજે એ પોતે જ પોતાનાથી નજરકેદ થઈ રહ્યાં છે..

પતંગોનાં પડધમ હવે શમી ગયા છે,
દોરીનાં ય દાવપેચ હવે ખમી ગયા છે..

બસ એ જાતે જ વાસી બનાવેલી તાજી જિંદગીને નામ,
વાસી પછીની તાજી ઉતરાયણો..
પ્રો. નિલેશ એમ. બેંકર
તા. ૧૬/૦૧/૨૦૨૧

22 - Creativity By: Prof. N.M.Banker, Asst.Prof.-EC GECGn

Contact Us:



Correspondence Address:

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Block No.2, Govt. Engg. College, Sector-28,

Gandhinagar, Gujarat - 382028

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Email: hod.ec@gecg28.ac.in

Visit us on the web at: <https://www.gecg28.ac.in/dept/3>