

NEWS LETTER

ISSUE X

JULY-DECEMBER 2024



**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**



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HOD's MESSAGE

Tejas B. Sheth

Head of Department,
E&C – GEC, Gandhinagar



It is my pleasure to connect with all of you while presenting the newsletter of the E & C Department (July - Dec 2024) from the desk of the HoD-E&C. The Ten'th edition of our biannual newsletter, which briefly documents the highlights of our journey in last six months.

I express my heartfelt gratitude to all the stakeholders for joining us towards imparting quality education in the field of E&C Engineering and allied areas through various means of teaching-learning process. I am sure that with the wholehearted support of all our stakeholders, we will keep achieving the greater heights at our best. This Newsletter encapsulates all such moments to share with all my beloved stakeholders of E&C Department. Keep that spirit of Teaching-Learning alive!





VISION OF INSTITUTE

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

MISSION OF 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.





VISION OF 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 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 industrial and societal requirements.



PROGRAM EDUCATION OBJECTIVES (PEOs)

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

- 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.
- Demonstrate soft skills, aptitude, technical skills and knowledge to work in the industry, R and D organizations and society.



FACILITIES OF EC DEPARTMENT

INDUSTRIAL AUTOMATION LAB

This lab is used for the subjects like Industries Automation, Robotics and Automation, Biomedical Electronics, MEMS and Automotive Electronics.



WIRELESS COMMUNICATION LAB



Computer center is fully configured with high performance computing facility. This lab is having facility like wireless communication trainer boards.

CIRCUITS & NETWORKS LAB

EC Department is equipped with state of the art machines as per university guidelines. Students can get improve their skills and practical knowledge.



FACILITIES OF EC DEPARTMENT

ANALOG ELECTRONICS LAB



Laboratory is fully equipped with basic electronics instruments like analog electronics trainer kits, Analog circuit kit, Digital storage Oscilloscope, Cathode ray oscilloscope, Dual regulated power supply, Arbitrary generator.

ANALOG & DIGITAL COMMUNICATIONS LAB

Laboratory is fully equipped with instruments like analog communication trainer kits, Digital storage Oscilloscope, Cathode ray oscilloscope, Dual regulated power supply, Function generator.



DIGITAL COMMUNICATION LAB



Laboratory is fully equipped with instrumental like Analog Communication Trainer kits, Digital communication trainer kits, Digital Storage Oscilloscope, Cathode ray Oscilloscope, Dual Regulated Power Supply, Function Generator.

DESIGN LAB

No.

Equipments

1. Wireless CCTV Camera System
2. Compact Thermal Imaging System
3. Mini/SFF PC
4. Adapter
5. DCPower supply
6. Digital Multi-meter
7. Routers
8. Signal Processing Board
9. Speed and Position Sensing
10. Encoders
11. Analog Discovery 2
12. Arduino Starter Kit
13. Solar Cells Indoors
14. Solar Cells Outdoors
15. ECG sensor
16. PPG sensor
17. Respiratory sensor
18. Alcohol sensor
19. EMG sensor
20. Gyroscope
21. Bluetooth Chip module
22. PH sensor
23. IR and Thermal sensor
24. Load cell



Design Lab is a platform for the young students with creative and innovative ideas. In the Design Lab, they can transform their idea into a tangible form. Students and academic researcher with innovative ideas, can get benefited with such Design Labs, where they can easily transform their creative ideas into deliverable form, at least on a lab scale or pilot project basis. Design Labs in Science, Engineering, and Technology disciplines work as a generator of intellectual properties like patents and industrial designs.

Correspondence:

Prof.Devendra H.Patel
Design Lab - Coordinator
Asst. Professor, E&C
Department.

LOCATION :

RoomNo. 1101,FirstFloor
Block No.-1,GEC,
Gandhinagar



FACULTY OF EC DEPARTMENT



PROF. TEJAS B. SHETH
HEAD OF THE DEPARTMENT
QUALIFICATION: M.E.



PROF. JIGNESH K. BHAVSAR
ASSISTANT PROFESSOR
QUALIFICATION: M.E.



DR. AVANI A. VITHALANI
ASSISTANT PROFESSOR
QUALIFICATION: PHD



DR. SUHAS H. PATEL
ASSISTANT PROFESSOR
QUALIFICATION: PHD



PROF. KALPESH K. PATEL
ASSISTANT PROFESSOR
QUALIFICATION: M.E.





DR. DEVENDRA H. PATEL
ASSISTANT PROFESSOR
QUALIFICATION: PHD



PROF. NILESHKUMAR M. BANKAR
ASSISTANT PROFESSOR
QUALIFICATION: M.E.



PROF. NIRAJ K. CHAUDHARI
ASSISTANT PROFESSOR
QUALIFICATION: M.E.



DR. SHAHID S. MODASIYA
ASSISTANT PROFESSOR
QUALIFICATION: PHD



PROF. SANDIP J. DAWDA
ASSISTANT PROFESSOR
QUALIFICATION: M.E.



PROF. NISHA K. PRAJAPATI
ASSISTANT PROFESSOR
QUALIFICATION: M.E.





DR. HIMANSHUKUMAR D. NAYAK
ASSISTANT PROFESSOR
QUALIFICATION: PHD



DR. SANDEEP J. RAJPUT
ASSISTANT PROFESSOR
QUALIFICATION: PHD



PROF. UJJVAL R. DAVE
ASSISTANT PROFESSOR
QUALIFICATION: M.E.



PROF. POOJA C. GAJJAR
ASSISTANT PROFESSOR
QUALIFICATION: M.E.



PROF. HINA K. PATEL
ASSISTANT PROFESSOR
QUALIFICATION: M.E.



PROF. NEETIRAJSIKH J. CHHASATIA
ASSISTANT PROFESSOR
QUALIFICATION: M.E.





DR. PURVI A. KORINGA
ASSISTANT PROFESSOR
QUALIFICATION: PHD



PROF. RAJAT G. PANDEY
ASSISTANT PROFESSOR
QUALIFICATION: M.E.



PROF. RAVI C. BUTANI
ASSISTANT PROFESSOR
QUALIFICATION: M.E.



PROF. NISARG K. BHATT
ASSISTANT PROFESSOR
QUALIFICATION: M.E.



PROF. NEHAL M. SHYAL
ASSISTANT PROFESSOR
QUALIFICATION: M.E.



MR. A. D. DABHI
INSTRUCTOR



Department activity

•ART OF LIVING SESSION

The Art of Living session, organized on 13/09/2014, at room no. 2001 in Electronics & communication Engineering Department, Government Engineering College, Gandhinagar aimed to promote mental well-being, stress management, and personal development among participants. The session was coordinated by the Prof. H. K. Patel, in collaboration with trained facilitators Ms Manisha Bhandari, Mr. Arka Das, Mr. Akash Dave and Mr. Ishan Mistry from the Art of Living Foundation. The session had more than fifty participants.

The objective of the session was to provide participants with techniques for managing stress for, improving focus, and increasing mindfulness through breathing exercises, meditation, and interactive activities.



Department activity

•ALUMNI MEET

E&C Department had organized an Alumni Meet on 5th October 2024, 11:00 AM to 12:30 PM via online GOOGLE MEET Platform. The Speakers of the event are Mr. Hemal Vadaliya from Masibus Automation and Mr. Harsh Tiwari, GATE Qualified Alumni. The event was interactive with the inputs from the alumni as well as the current students studying in the department.



The banner for the Alumni Meet | October 2024 is set against a dark blue background with purple and green geometric accents. At the top left is the Government Engineering College Gandhinagar logo. The top center text reads "Government Engineering College - Gandhinagar" and "EC Branch Organizing". The top right features the "G20 INDIA 2023" logo. The main title "Alumni Meet | October 2024" is prominently displayed. Below this, two circular portraits of speakers are shown: Harsh Tiwari (Gate Qualified) and Hemal Vadaliya (Engineer, Masibus Automation). The date "05th October, 2024 (Saturday)" and the session details "Expert Session: 11.00 am to 12.30 pm" with the Google Meet link "https://meet.google.com/kus-xwat-nawOr" are provided. At the bottom, four circular portraits represent the Patron (Dr. Sweta Dave, Principal), Convener (Prof. T. B. Sheth, H.O.D (E.C)), Chairman (Prof. M.R. Jani, Alumni Association), and Member Secretary (Prof. D. P. Khem, Alumni Association).

Government Engineering College - Gandhinagar
EC Branch Organizing

Alumni Meet | October 2024

Harsh Tiwari
Gate Qualified

Hemal Vadaliya
Engineer, Masibus Automation

05th October, 2024
(Saturday)

Expert Session: 11.00 am to 12.30 pm
Google Meet Link: <https://meet.google.com/kus-xwat-nawOr>

Patron
Dr. Sweta Dave
Principal

Convener
Prof. T. B. Sheth
H.O.D (E.C)

Chairman
Prof. M.R. Jani
Alumni Association

Member Secretary
Prof. D. P. Khem
Alumni Association

Department activity

•ROBOFEST

ROBOFEST 4.0 is national level robomaking event organized by GUJCOST where total 08 different categories of robot making was listed by GUJCOST. The Team from E&C Dept., GEC Gandhinagar team have participated in Application based Robot category. These year more than 1000 teams have participated in this event among that approx. 200 teams have qualified for level-I(Ideation). GEC Gandhinagar team has won the cash prize of Rs.50,000 for winning ideation round. After ideation the next level is Proof of Concept (PoC) out of 200 teams approx. 100 teams have won the next round of PoC. GEC Gandhinagar-E&C Department team qualified for grand finale which will be held from 21st January 2025.



Department activity

•CARRIER GUIDENCE SESSION

The Career Guidance Session organized by Club IBER was a remarkable event designed to provide insights and guidance to Electronics and Communication students at Government Engineering College, Gandhinagar. The keynote speaker for the session was Amartya Singh, an EC-GECG alumnus and completed his M.Tech in VLSI from Nirma University. Amartya has recently joined Intel as an SoC Design Engineer.

Skills Needed for Success in ECE

- Technical Skills:
 - * Circuit Design (VLSI, Verilog, Physical Design)
 - * Embedded Systems (Microcontrollers, Arduino, Raspberry Pi)
 - * Communication Protocols (5G, LTE, Wi-Fi)
 - * Programming Languages (C/C++, Python, MATLAB)
- Soft Skills:
 - * Problem-solving
 - * Collaboration
 - * Communication
 - * Innovation and Creativity

Amartya Singh (Presenting)

People

All muted Add people

Search for people

IN MEETING

Contributors 94

AVINASH TANTI (You) Meeting host

Aashwarya

Aditya Dangi

Aini Patel

Aishya Rajgurunith

Amartya Singh Meeting host

Amartya Singh

5:21 PM Career Guidance Session with Mr. Amartya Singh

Department activity

•SEMICON-2024

SEMICON India 2024 was scheduled on 11 – 13 September 2024 at INDIA EXPOSITION CENTRE & MART, Greater Noida, Uttar Pradesh, India.

In the exhibition, Department of Science & Technology (DST), Government of Gujarat had earmarked a booth to showcase capacity building initiatives taken by GoG in Semiconductor Sector like specially curated curriculum, Centre of Excellence etc. Over 100+ companies had participated in the exhibition.

The event had been inaugurated by the Hon'ble Prime Minister of India on 11 Sep 2024. Our Institute had took part to attend the program through VC link of WEST ZONE. Co-ordination of the same was done by Prof. Hina Patel and Prof. Pooja Gajjar. A total of 120 students of E.C., Computer, IT, Mechanical and Electrical branch and 11 faculties had attended the Program at CV Raman Hall.



FACULTY ACHIEVEMENT

Prof. Jignesh K. Bhavsar

Has successfully completed NPTEL Online course on " Sustainable Happiness "

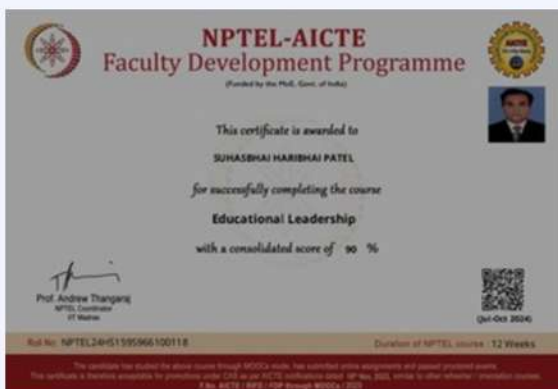


Prof. Avani A. Vithalani

Has successfully completed NPTEL Online course on " Sustainable Happiness "

Prof. Suhas H. Patel

Has successfully completed NPTEL Online Course on " Generative AI and It's Application with Computer Vision "



Prof. Suhas H. Patel

Has successfully completed NPTEL Online course on " Educational Leadership "

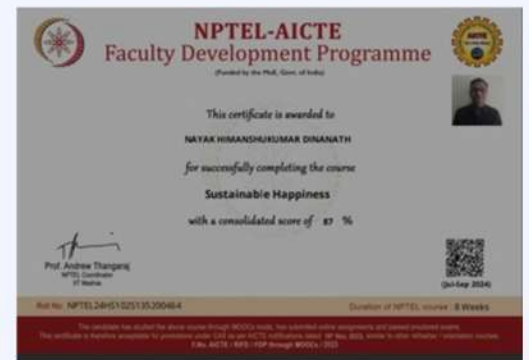
Pro. Niraj K. Chaudhari

Has successfully completed NPTEL Online course on " Sustainable Happiness "



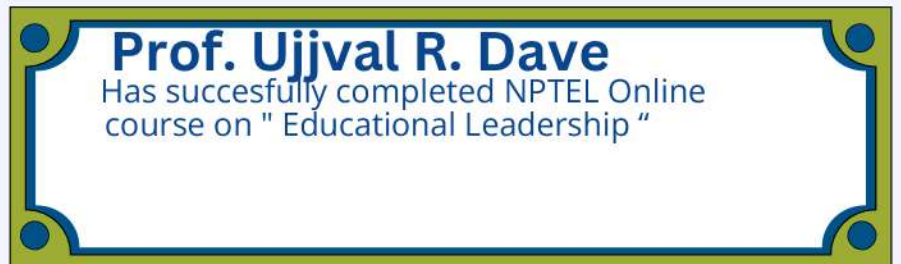
Prof. Himanshu D. Nayak

Has successfully completed NPTEL Online course on " Sustainable Happiness "



Prof. Ujjval R. Dave

Has successfully completed NPTEL Online course on " Educational Leadership "



Prof. Pooja C. Gajjar

Has successfully completed CTE, Gandhinagar course on " Train the Trainer program on effective implementation of NEP 2020 in Professional and Technical Institutes of Gujarat"



Prof. Pooja C. Gajjar

Has successfully completed GTU, Chandkheda course on " Design Thinking and Enterprenuership "



Prof. Hina K. Patel

Has successfully completed GTU, Chandkheda course on " Design Thinking and Enterprenuership "



Prof. Neetiraj J. Chhasatia

Has successfully completed NPTEL Online course on " Science, Technology and Society "



Prof. Neetiraj J. Chhasatia

Has successfully completed NPTEL Online course on " Developing Soft Skills and Personality "



Prof. Neetiraj J. Chhasatia

Has successfully completed NPTEL Online course on " Educational Leadership "



Prof. Ravi C. Butani

Has successfully completed NPTEL Online course on " Educational Leadership "



Prof. Nisarg K. Bhatt

Has successfully completed NPTEL Online course on " Educational Leadership "

FACULTY NOTEWORTHY ACHIEVEMENT

Prof. Himanshu D. Nayak
was honored by Doctorate Degree in the field of E&C
by Gujarat Technological University.

Heartiest Congratulations to Dr. Himanshu D. Nayak !

 **GUJARAT TECHNOLOGICAL UNIVERSITY**
(Established Government of Gujarat under Gujarat Act No. : 29 of 2007)
(Accredited with A+ Grade by NAAC)
ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી
(ગુજરાત સરકારના ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

GTU/PhD/Thesis/Notification/2024/10010 Date: 30/11/2024

DOCTOR OF PHILOSOPHY
NOTIFICATION NO. ૪૩૧ / 2024

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 : Nayak Himanshukumar Dinanath
Enrollment No. : 199999915312
Branch Name : Electronics & Communication Engineering
Title of Thesis : Hybrid Deep Learning Method for an Efficient Facial Emotion Recognition System
Name of Supervisor : Dr. Ashish K. Sarvaliya
Date of Viva - Voce : 30-11-2024
Entered Register Page No. : 128, Sr. No. : 665

The University declares Nayak Himanshukumar Dinanath 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. Nayak Himanshukumar Dinanath, 2-B, Amikunj Society, Near GEB Substation, Gayatri Mandir Road, Patan- 384265



Winner of : "4 Star rating in QSIRF (Gujarat State Institutional rating Framework) Published by KGC, Dept. of Education Govt. of Gujarat" ♦ "GTU Ranked 71 in Pharmacy Category in NIRF-2023" ♦ "Green University Accreditation in Platinum Ranking for 2021-2023" ♦ "1" rank Among All Universities in Gujarat 2020 by Uni-Rank"

Head Office : GTU Campus, Nr. Vast Three Road, Vast-Gandhinagar Road, Chandkheda, Ahmedabad-382434, Gujarat, India.
Ph : +91 879-2326752/570 e-mail : info@gtu.ac.in Website : www.gtu.ac.in

FACULTY NOTEWORTHY ACHIEVEMENT

Prof. Avani A. Vithalani
was awarded by the
NPTEL Discipline Star
JULY - DEC 2024 & Recognized as PhD
Supervisor by GTU in November 2024



FACULTY NOTEWORTHY ACHIEVEMENT

Prof. Himanshu D. Nayak
was awarded by the
NPTEL Discipline Star
JULY - DEC 2024



FACULTY NOTEWORTHY ACHIEVEMENT

Prof. Nileshkumar M. Bankar
was awarded by DR. A.P.J ABDUL KALAM
AWARD 2024 in recognition of his
outstanding and exemplary professional and
research achievement in the field of E&C
Engg. on December 28, 2024



FACULTY - PAPER PUBLICATION

➔ Prof. Jignesh K. Bhavsar, published the reaserch paper titled "Improved Sparse Representation of image-from Inferred Angles of Streerable Wavelet" in Indiana Journal of Science and Technology. 17(26). 2698-2707

➔ Prof. Jignesh K. Bhavsar, published the reaserch paper titled "Enhancing Person Re- identification with Dual Cross-Camera Reciprocal Re-ranking" in J. Electrical System, 20-3 (2024):3995-4001

➔ Prof. Kalpesh K. Patel, published the reaserch paper titled "Enhancing Person Re- identification with Dual Cross-Camera Reciprocal Re-ranking" in J. Electrical System, 20-3 (2024):3995-4001

➔ Prof. Suhas H. Patel, published the reaserch paper titled "Advanced Forest Fire Detection Using YOLOv10:A Deep Learning Approach" in J. Electrical System, 20-3(2024): 4115-4125

➔ Prof. Suhas H. Patel, published the reaserch paper titled "Application Software for Spelies Identification and displaying their Ecosystem Roles using" in Indian Journal of Natural Sciences, Vol.15/ Issue 85/ Aug/ 2024

➔ Prof. Suhas H. Patel, published the reaserch paper titled "Enhancing Person Re- identification with Dual Cross-Camera Reciprocal Re-ranking" in J. Electrical System, 20-3 (2024):3995-4001



➔ Prof. Devendra H. Patel, published the reaserch paper titled "Advanced Forest Fire Detection Using YOLOv10:A Deep Learning Approach" in J. Electrical System, 20-3 (2024): 4115-4125

➔ Prof. Niraj K. Chaudhari, published the reaserch paper titled "Advanced Forest Fire Detection Using YOLOv10:A Deep Learning Approach" in J. Electrical System, 20-3 (2024): 4115-4125

➔ Prof. Shahid S. Modasiya, published the reaserch paper titled "Progressions in Ultra Wideband Antenna Design:A Comprehensive Overview of Innovative Strategies" in SSRG International Journal of Electronic and Communication

➔ Prof. Shahid S. Modasiya, published the reaserch paper titled "Novel Compact UWB Antenna Design With Notch Filter Characteristics: Development and" in Progress in Electromagnetics Research C.August 2024

➔ Prof. Nilesh M. Banker, published the reaserch paper titled "Advanced Forest Fire Detection Using YOLOv10:A Deep Learning Approach" in J. Electrical System, 20-3 (2024): 4115-4125

➔ Prof. Nisha K. Prajapati, published the reaserch paper titled "Advanced Forest Fire Detection Using YOLOv10:A Deep Learning Approach" in J. Electrical System, 20-3 (2024): 4115-4125

➔ Prof. Nisha K. Prajapati, published the reaserch paper titled "Automated Diagnosis of Atherosclerosis using multi-layer ensemble models and bio-inspired" in Medical and Biological engineering & Computing (2024)

➔ Prof. Nisha K. Prajapati, published the reaserch paper titled "Coronary Artery Disease Detection Using Pre-Trained ResNet and VGG-16" in SSRG International Journal of Electronic and Communication



➔ Prof. Nisha K. Prajapati, published the reaserch paper titled "Modified Convolution Block Attention Mechanism Based VGG 16 for Apple Plant Leaf Disease" in SSRG International Journal of Electronic and Communication

➔ Prof. Ujjval R. Dave, published the reaserch paper titled "Novel Compact UWB Antenna Design With Notch Filter Characteristics: Development and" in Progress in Electromagnetics Research C.August 2024

➔ Prof. Ujjval R. Dave, published the reaserch paper titled "Advanced Forest Fire Detection Using YOLOv10:A Deep Learning" in J. Electrical System, 20-3 (2024): 4115-4125

➔ Prof. Pooja C. Gajjar, published the reaserch paper titled "Modified Convolution Block Attention Mechanism Based VGG 16 for Apple Plant Leaf Disease" in SSRG International Journal of Electronic and Communication

➔ Prof. Hina K. Patel, published the reaserch paper titled "Modified Convolution Block Attention Mechanism Based VGG 16 for Apple Plant Leaf Disease" in SSRG International Journal of Electronic and Communication

➔ Prof. Hina K. Patel, published the reaserch paper titled "Coronary Artery Disease Detection Using Pre-Trained ResNet and VGG-16" in SSRG International Journal of Electronic and Communication

➔ Prof. Purvi A. Koringa, published the reaserch paper titled "Coronary Artery Disease Detection Using Pre-Trained ResNet and VGG-16" in SSRG International Journal of Electronic and Communication



Faculty - NPTEL toppers

Prof. Ujval R. Dave successfully completed NPTEL Online course on “Educational Leadership” during July - Oct 2024 and secured 100% Score- Topper (Elite Gold Certificate).



Prof. Avani Vithalani successfully completed NPTEL Online course on “Sustainable Happiness” during July - Sep 2024 and secured 99% Score- Topper (Elite Gold Certificate).



Prof. Nitiraj J. Chasatia successfully completed NPTEL Online course on “Educational Leadership” during July - Oct 2024 and secured 99% Score- Topper (Elite Gold Certificate).



Prof. Nisarg Bhatt successfully completed NPTEL Online course on “Educational Leadership” during July - Oct 2024 and secured 97% Score- Topper (Elite Gold Certificate).



Prof. Nirajkumar k. Chaudhari successfully completed NPTEL Online course on “Sustainable Happiness” during July - Sep 2024 and secured 95% Score- Topper (Elite Gold Certificate).



Prof. NileshKumar M. Banker successfully completed NPTEL Online course on “Educational Leadership” during July - Oct 2024 and secured 90% Score- Topper (Elite Gold Certificate).



Prof. Neetiraj J. Chasatia successfully completed NPTEL Online course on “Science, Technology and Society” during July - Oct 2024 and secured 86% Score- Topper (Elite Silver Certificate).



Prof. Neetiraj J. Chasatia successfully completed NPTEL Online course on “Developing Soft Skills and Personality” during Aug - Oct 2024 and secured 82% Score- Topper (Elite Silver Certificate).



Prof. Ravi C. Butani successfully completed NPTEL Online course on “Educational Leadership” during July - Oct 2024 and secured 82% Score- Topper (Elite Silver Certificate).



Placement

2	Full Name	Pre Placed Company Name	Annual Salary
3	First + Middle + Surname		
4	Anish Chaudhary	TCS	9
5	Rahil Bhavikbhai Shah	Famtech Software Pvt. Ltd.	9
6	Vaishnavi Shah	TCS	7
7	Reshmi Paul	TCS	7
8	Hemal Vadaliya	TCS	7
9	Priyanka Mahto	Pie Infocom Pvt. Ltd.	6.5
10	Sanchita Gupta	Pie Infocom Pvt. Ltd.	6.5
11	Keval Krushnakant Bhavsar	Meditab India Pvt. Ltd.	6.09
12	Harnik Jammrah	Optimized Solution	5
13	Bhavik Jaisighani	Schaeffler India Ltd.	4.5
14	Amit Digambar Jha	Schaeffler India Ltd.	4.5
15	Abhimanyu	Optimized Solution	4.5
16	Khushang Bhavsar	E Infochip	4
17	Sumit Shyam	Optimized Solution	4
18	Yash Kardam	TCS	3.36
19	Priyangi Sisodia	TCS	3.36
20	Divya Girish Tolwani	TCS	3.36
21	Anjali Nambiar	Tata Motors	3
22	Aakash Chauhan	Teksun Microsys Pvt. Ltd.	4.2
23	Sakshi Vandra	Teq diligent product solution	2.4
24	Komal Panchal	is Automation and instrumentation I	2.4
25	Pinal Patel	is Automation and instrumentation I	2.4
26	Bhuva Shubham	Teksun Microsys Pvt. Ltd.	4.2
27	Patel Madhurkumar Manojbhai	Rutav Engitronic Systems	2
28	Danesh Rameshkumar Modi	Sahajanand Laser Technology Ltd.	1.8
29	Vadukul Hiren Vrajilal	Silicon Signals Pvt. Ltd.	1.8
30	Leela Rambhai Odedra	SLTL	1.8
31	Saikh M Aayan	SLTL	1.8
32	Patel Bhargav	SLTL	1.8
33	Ansari Tabrez	AD EQUIPMENT AND TECHNOLOGIES	1.8
34	Tushang Patel	Electrogenics innovation Pvt Ltd	1.44
35	Dhaval Sonagara	Electrogenics innovation Pvt Ltd	1.44
36	Jangid Manish	Streamline Control System Pvt. Ltd.	1.08
37	Vikas Bhadoriya	Streamline Control System Pvt. Ltd.	1.08
38	Anish Kadia	Streamline Control System Pvt. Ltd.	1.08

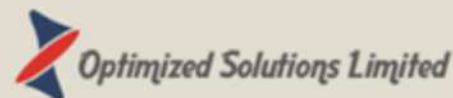
Highest package offered:
9 LPA

**Average Package
Offered:**
4.5 LPA

Lowest package offered:
1.08 LPA



SCHAEFFLER



TATA MOTORS



TEKSUN
CULTIVATING TECHNOLOGY

masibus
A Sonepar Company

STUDENT ACHIEVEMENT



Patel Anshukumar Arvindbhai participated in online course on "AI/ML for Geodata Analysis"

Dipak Raval participated in Arduino innovator challenge 2024, Which organised by ClubIBR



Patel Anshukumar Arvindbhai Successfully Completed The Janjatiya Gaurav Divas quiz

STUDENT ACHIEVEMENT

Purvangi Shah

has successfully completed
Build Dynamic User Interfaces
(UI)



CERTIFICATE OF ACHIEVEMENT

THIS CERTIFICATE IS AWARDED TO
DIPAK RAVAL

HAS WON 2ND PLACE FOR THEIR INNOVATIVE AND CREATIVE
SOLUTION. THEIR EXCEPTIONAL SKILLS HAVE MADE A SIGNIFICANT
IMPACT ON THE COMPETITION.

T. B. Shukla
SSIP Co-Ordinator
and SSIP Mentor

Shruti Dave
Signature of
Principal

Dipak Raval

Has Won 2nd place for Their
innovative and creative solutions

Mori Malav

securing 1st place in The Arduino
innovator challenge 2024
which organised by ClubIBR



STUDENT ACHIEVEMENT



Dev Makvana

Successfully organizing and conducting the illuminate Entrepreneurship Bootcamp at Government College Gandhinagar in association with E-cell, IIT BOMBAY 2024

Dev Manghani

securing 2nd place in the Arduino innovator challenge 2024, which organised by ClubIBR



Dev Makvana

participated in the 'university/college category' organised by Education Department Government of Gujarat

EXTRA CURRICULA ACTIVITY

TEACHER'S DAY CELEBRATION

Students of E&C Dept., GEC, Gandhinagar celebrated Teacher's Day on 05th September, 2024 with great enthusiasm, honoring the invaluable contributions of teaching fraternity.

The Teacher's Day celebration at GECG-GN was a memorable event that showcased the profound respect and admiration, students have for their teachers.



EXTRA CURRICULA ACTIVITY

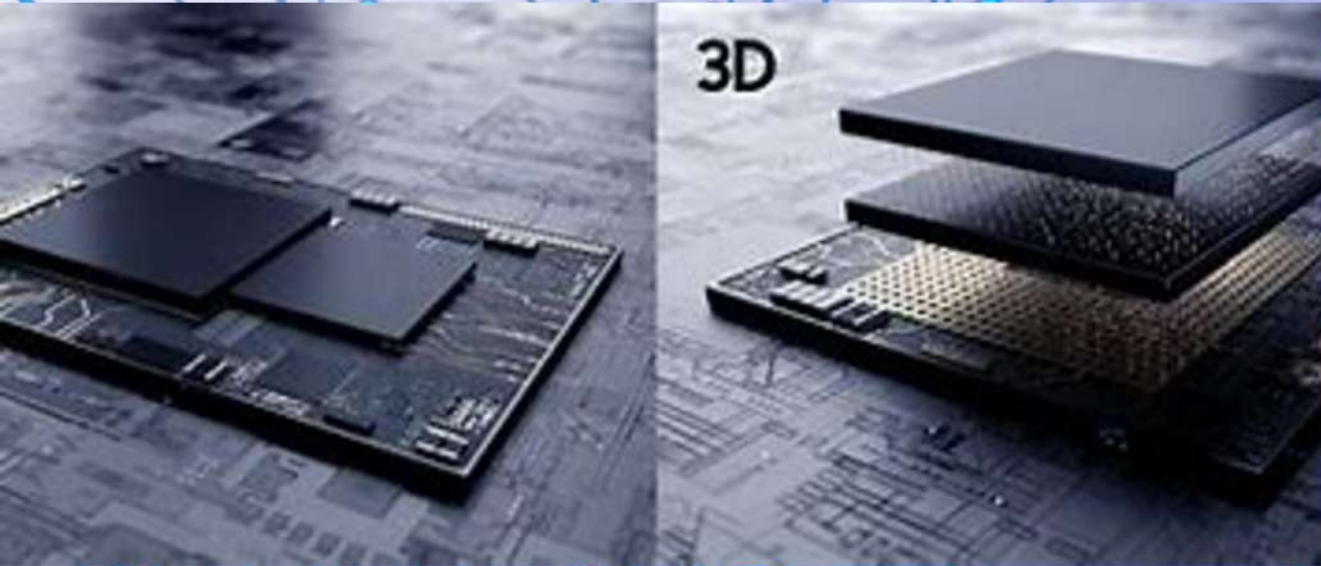
Navratri Celebration

Students & Faculties of E&C Dept., Government Engineering College, Gandhinagar celebrated Navratri festival with full of devotion and Cultural attachments.

Navratri is a time of spiritual significance and community, featuring lively Garba nights and serene prayers. This celebration brings the importance of MAA AMBE with immense joy and devotion.



RECENT TRENDS EC



3D IC

3D Integrated Circuits (3D ICs): 3D IC technology involves stacking multiple layers of silicon wafers to create high-density chips. This improves speed, reduces interconnect length, and enhances energy efficiency.



RECENT TRENDS EC



6G TECHNOLOGY

6G Technology: With speeds up to 1 Terabit/sec, 6G technology is set to revolutionize autonomous systems, virtual reality experiences, and smart cities. Imagine holographic telepresence where lifelike holograms of people and objects are projected across networks in real-time.



RECENT TRENDS EC

A	H	O	V
Artificial Intelligence	Human Augmentation	On-Chip AI Accelerators	Virtual Reality
B	I	P	W
Block chain	Internet of Things	Parallel Processing	Wearable Electronics
C	J	Q	X
Cyber Physical Systems	Junctionless Transistors	Quantum Computing	X-tended Reality
D	K	R	Y
Data Science	Knowledge Graphs	Robotics	YOLO Evolution
E	L	S	Z
Edge Computing	Li-Fi Communication	Semiconductor (VLSI)	Zero Trust Security Architecture
F	M	T	ABC for CSE/ECE/ICT Students Compiled by – Dhaval Pujara
Fifth-Generation Networks	Metaverse	Terahertz Communication	
G	N	U	
Green Computing	Natural Language Processing	Unmanned Aerial Vehicles	

The image gives an alphabetical overview of key concepts for students wants to explore the latest trends in E&C Engineering.

Each letter represents a significant topic or technology in these fields, from Artificial Intelligence to Zero Trust Security Architecture.

POETRY



અહંકાર નાં અંધકારમાંથી,
આતમ નાં અજવાળા ની સફર,,

બસ, મારે મન એ જ દિવાળી,,,

અવિશ્વાસ નાં આવરણમાંથી,
વિશ્વાસ નાં અવકાશની સફર,,

બસ, મારે મન એ જ દિવાળી,,,

વહેમ નાં ઓષઢમાંથી,
વહાલ નાં ઔષધ ની સફર,,

બસ, મારે મન એ જ દિવાળી,,,

આડંબર નાં ભારમાંથી,
આત્મવિશ્વાસ નાં હળવાશની સફર,,

બસ, મારે મન એ જ દિવાળી,,,

અને અંતે,

પદ, પ્રતિષ્ઠા નાં ગુમાનમાંથી,
આરોગ્ય ધનસંપદા નાં ભાનની સફર,,

બસ, મારે મન એ જ દિવાળી,,,

નિલેશ બેંકર અને પરિવાર વતી,
આપ સૌ ને એવી જ દિવાળીની હાર્દિક શુભેચ્છાઓ,



‘રૂપેરી ચાંદનીમાં શ્યામ કેશ લહેરાયા,
પૂનમની રાતમાં ખીલી ઊઠી અમાસ
હતી.

સુણી એ વાત, વળ્યો છે ફૂલોને
પરસેવો,
ચમનમાં પ્રસરી તે કંટક તણી સુવાસ
હતી.’

~ નૈમિષ

220130111046

~નિલેશકુમાર એમ. બેંકર,
સહાયક પ્રાધ્યાપક,
ઇલેક્ટ્રોનીક્સ એન્ડ કોમ્યુનિકેશન



Photography

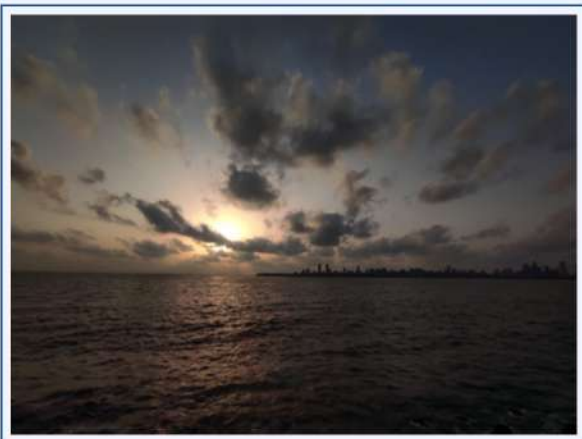
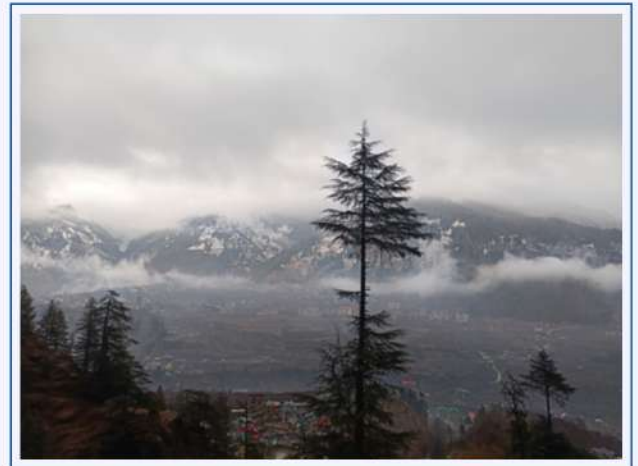
Ready!!

230130111044
Manali V. M.



230130111031
Heet H. J.

230130111044
Manali V. M.



230130111122
Shlok D. S.



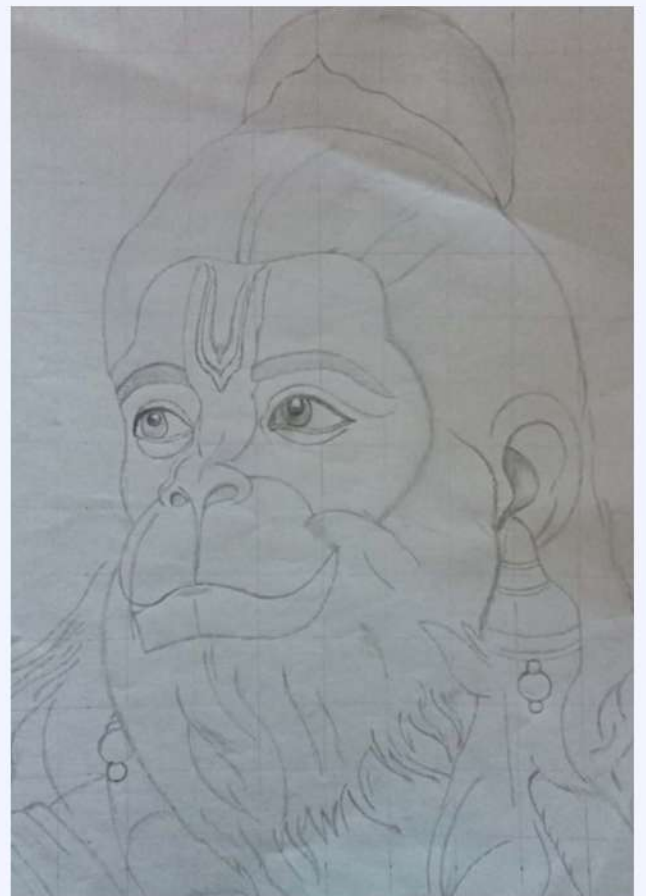
PAINTING



230130111044
MANALI M.



230130111034
NANDINI K.



EDITING TEAM



Prof. Nilesh Banker
Assistant Professor



Prof. Nisha Prajapati
Assistant Professor



Prof. H. D. Nayak
Assistant Professor

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Uzma Pathan
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Anjali Barad
220130111007
semester 6



Nanera Jagruti
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Semester 6



Kasundra Nandini
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semester 4



Mahaliya Manali
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semester 4



Kyada Mansvi
230130111048
semester 4





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