

NEWS LETTER

ELECTRONICS AND COMMUNICATION DEPARTMENT



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Electronics is the force behind innovation - converting ideas into intelligent systems that drive the future. From the smallest components to complex networks, it powers every breakthrough.

● VISION

To create an ecosystem for the proliferation of socially responsible and technically sound Electronics and Communication Engineers, innovators and entrepreneurs.

● MISSION

- To develop state-of-the-art laboratories and well-equipped academic infrastructure.
- To motivate faculty and staff for qualification up-gradation and enhancement of subject knowledge.
- To promote Entrepreneurship, research, innovation and real-life problem-solving.
- To strengthen linkages with industries, academics, and research organizations.
- To reinforce concern for sustainability, natural resource preservation and social responsibility.

Student Achievement

National Space Day Quiz 2025

Kevil Zala (EC, Semester 4) achieved a remarkable milestone by securing a position among the Top 100 participants in the “National Space Day Quiz 2025”, organized by MyGov.

The quiz was conducted from 22nd August to 5th October 2025, with a massive participation of 64,746 students nationwide. As a recognition, he achieved, Prize money and fully funded visit to Satish Dhawan Space Centre (ISRO), Sriharikota



(Kevin Zala @National Space Day Quiz)



(Shrey Patel and Team @PDPU)

SSIP Hackathon Achievement

Students of EC Department — **Shrey Patel, Aditya Pandya, Manthan Gajjar, Ashika Patel, Priyanshi Patel, and Megh Barot** secured 1st Place in the 2025 Vikas Sapta / SSIP Hackathon held at PDPU Convention Center on 14th October 2025.

Their project titled “**Innovative Pipe Inspection Robot**” showcased innovation, practical problem-solving, and engineering excellence.

Team Electron Wins First Prize

Team Electron comprising **Zeel Prajapati, Tirth Chauhan, Yatish Gandhi, and Rishi Chauhan** won 1st Prize at the **Dewang Mehta IT Awards 2025**. Their project “**ElectroShield**”, a high-voltage detection helmet for electrical workers, stood out among 225 projects from 41 colleges. The team was awarded ₹1,00,000 and received mentorship from Dr. Ghanshyam Sah and Prof. Jayesh Diwan, demonstrating innovation with real-world impact.



(Zeel Prajapati & Team @Devang Mehta IT Awards)



Congratulations!



Patel Ashikaben Rajendrakumar
B.Tech. – 3rd Semester
Electronics & Communication Engineering Dept.
Vishwakarma Government Engineering College,
Chandkheda, Ahmedabad

For getting selected as one of the Top 75 women engineering students in the prestigious

**Women In Tech (WIT) Program
Batch 4**

nxp.com/wit

(Ashika Patel)

Ashika Patel, a student of the Electronics and Communication Department, has been selected for the prestigious **Women in Tech (WIT) Program** by NXP Semiconductors. Out of over 18,000 participants nationwide, only 75 students were selected, marking this as a highly commendable achievement and reflecting her excellence in the field of technology.

Faculty Achievements

Research Publication

Dr. K. R. Sheth, Prof. R. M. Patel, and Dr. P. P. Prajapati published a research paper titled:

“Performance Assessment of Fine-Tuned VGG16 Model on the MDRF Retouched Face Dataset”

This work was published in the **Indian Journal of Science and Technology (Web of Science)**, November 2025, Vol. 18(40), pp. 3209–3217.

Publications & Patents Pushing

The frontiers of knowledge through research, innovation and collaboration.

Dr. S. S. Modasiya (EC Department) has been granted **two design patents: Underwater Remotely Operated Vehicle and Octagonal Reconfigurable Slotted Patch Antenna. Frequency**

Prof. Gaurav Asari of EC department has completed his **Ph.D. in the field of "Metamaterial-Based Bandpass Filters for 5G Applications."**

The institution is pushing the frontiers of knowledge through research, innovation, and collaboration. In terms of faculty contributions, 8 faculty members have attended Faculty Development Programs (FDPs), 12 research papers have been published, and several patents have been filed.

FDP Participation

- Prof. Rina Bhatt
- Prof. Ketan Patel
- Prof. Shreeji Sheth
- Prof. Kalpesh Chaudhary
- Prof. Urvisha N. Fatak

participated in a **5-day FDP (Faculty Development Program) on Advanced Machine Learning using Python with Green Technology**, organized by **Edunet Foundation** at VGEC (10th–14th November 2025).

WORKSHOPS & STUDENT INITIATIVES

Entrepreneurship and Innovation as a Career Opportunity

The E-Cell and IIC organized an expert lecture on “**Entrepreneurship and Innovation as a Career Opportunity**”.

The session was delivered by **Mr. Raj Hakani** (Assistant Professor, GTU) and coordinated by:

- Prof. Hetal Joshiyara (CE)
- Prof. Chetna Chand (IT)
- **Prof. Kalpesh Chaudhary (EC)**

The session inspired students to explore innovation-driven career paths.



(Entrepreneurship and Innovation Workshop)



(Photography Workshop)

Student Contributions & Activities

Hitarth Shah and Harshil Patel actively contributed to various departmental and co-curricular activities:

- Coordinated MeghDhanush 8.0
- Coordinated Photography Workshop & PhotoWalk
- Conducted Mission English Lecture
- Participated in Teacher's Day Drama
- Volunteered in 15th August Celebration (Drama)

Workshop on Effective Listening

A workshop on “**Effective Listening**” was conducted on 25th July 2025, led by Dr. **Dilip Kothari** (Professor Emeritus, Ganpat University).

The session enhanced:

- **Active listening skills**
- **Empathy in communication**
- **Interpersonal effectiveness**



(Effective Listening Workshop)

NSS ACTIVITIES

NSS Volunteers Shine at State-Level Pre-RD Parade Selection

Karan Ahir and Aanchal Khatwani (EC, Semester 5) represented GTU at the State-Level Pre-Republic Day Parade Selection, held at Gujarat Vidyapeeth on 20th August 2025.

The camp offered:

- Discipline and leadership training
- Cultural exposure through performances like Talwar Raas and folk songs
- Enhancement of confidence and teamwork

West Zone Pre-Republic Day (Pre-RD Camp)

- NSS Volunteer **Karan Ahir** was proudly selected to participate in the **West Zone Pre-Republic Day (Pre-RD) Camp** held at Hemchandracharya North Gujarat University from 31st October to 9th November.



(West Zone Pre RD Camp)

Leadership for Transformation: Ancient Wisdom, Modern Vision

NSS volunteers **Tanvi Parmar (EC)** and **Shashikala Prasad (PE)** attended a session on Indian Leadership Principles, addressed by Prof. B. Mahadevan and graced by Hon'ble PM Narendra Modi.

The session emphasized value-based leadership and societal impact.



(NSS Day Celebration)



(Karan Ahir and Aanchal Khatwani @Pre RD Camp)

Raktdan Amrit Mahotsav 2.0

- On 17th September 2025, NSS volunteers of Vishwakarma Government Engineering College participated in the Raktdan Amrit Mahotsav 2.0 at Narendra Modi Stadium, contributing to event coordination and support activities.
- ECE 2nd Semester students - **Bhole Khushi and Rutu K. Patel** actively participated, demonstrating dedication and teamwork.

NSS Outreach Initiative – SHAKTI

- On the occasion of the International Day of Persons with Disabilities, the NSS unit of Vishwakarma Govt. Engineering College organized **“SHAKTI: Strength in Every Ability”** at Blind People’s Association, Vastrapur.
- The program promoted inclusivity and empathy through activities like Trust Walk, Art & Craft, and a Talent Show, celebrating the abilities of visually impaired participants.
- ECE 6th semester students - **Palak Raval, Vaishvi Parikh, Rutul Prajapati, and Priyanka Patel** - ctively contributed to the success of the event

State NSS Day Celebration

- NSS volunteers actively participated in the State NSS Day Celebration, held at Sardar Patel University, Vidyanagar, from 22nd to 24th September 2025, showcasing their talents across various competitions.
- **Ms. Nidhi Solanki** (EC, 5th Semester) secured Third Place in Solo Singing, while **Ms. Priyanka Patel** (EC, 5th Semester) participated in Essay Writing and **Mr. Jeet Maradiya** (EC, 5th Semester) took part in Sanskrit Shlok Recitation.

INDUSTRIAL VISITS & SPORTS

Industry Visit to BISAG, Gandhinagar

The EC Department organized an **industrial visit to BISAG (Bhaskaracharya Institute for Space Applications and Geo-Informatics)** on 25th–26th July 2025 for Semester 5 students.

The visit focused on:

- Satellite communication systems
- Emerging communication technologies
- Practical exposure to real-world applications



(Students @ BISAG for Industry visit)



(Students @ VSSE)

Visit to Vikram Sarabhai Space Exhibition (VSSE)

An industrial visit to the Institute for Plasma Research (IPR) was conducted on 4th August 2025 for Semester 7 students.

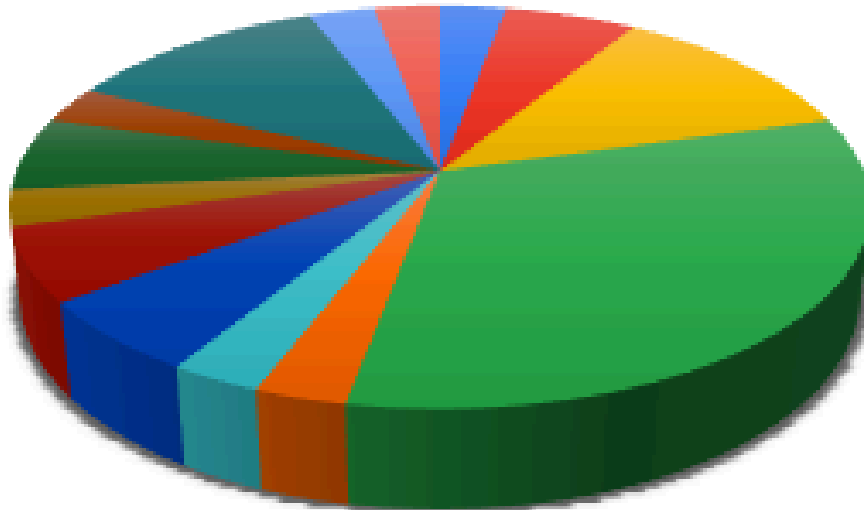
The session focused on:

- Plasma science
- Fusion technology
- Scientific research applications

Sports Achievement

Category	Team Members	Achievements
Individual	Arnav Abhigaya (EC): Chess Parth Makwana (EC): Kabaddi Kamakshi Sanghani (IT): Kabaddi	Zone 2 & Interzonal Winners
Chess (Boys)	Parth Panchal, Tirth Ghevariya, Krunal Solanki, Pushpak Shushat, Fenil Prajapati, Arnav Abhigaya	SPIRIT - 2025-26 1st Place: Zone - 2 (Aug 1) 1st Place: Interzonal (Aug 11)
Kabaddi (Boys)	Bhargav Kamliya, Parth Makwana, Mousam Nayak, Jeet Dhameliya, Shlok Goswami, Divyesh Patel, Mahesh Dalvi, Ammol Ojha, Prashant Bhadauriya, Deep Patel, Karan Patel, Harshil Gondaliya	SPIRIT - 2025-26 1st Place: Zone - 2 (Aug 6) 2nd Place: Interzonal (Aug 18)

2026 Passout Batch Placement Details Total No. of Students Placed



- 1 E.C. 2025-26 MINDRA GREEN ENERGY
- 2 E.C. 2025-26 Amrut Energy
- 3 E.C. 2025-26 Mehta Expai Technologies Pvt. Ltd.
- 4 E.C. 2025-26 einfochips Ltd
- 5 E.C. 2025-26 Axis Solution Pvt Ltd
- 6 E.C. 2025-26 Bacancy Technology Pvt. Ltd.
- 7 E.C. 2025-26 Pronesis Technologies
- 8 E.C. 2025-26 Embrill Technologies
- 9 E.C. 2025-26 Engibrains Technologies
- 10 E.C. 2025-26 Casa Cans Private Limited
- 11 E.C. 2025-26 Electrotherm (India) Ltd.
- 12 E.C. 2025-26 Samarth E-Mobility Pvt Ltd
- 13 E.C. 2025-26 Kali Medtech Pvt. Ltd
- 14 E.C. 2025-26 Mantra Softech India Pvt Ltd

CREATIVE CORNER

Meghdhanush Photos



Editorial Team

- Hitarth Shah (EC 5th sem)
- Khushi Shah (EC 5th sem)
- Krishna Patel (EC 5th sem)
- Tanvi Parmar (EC 5th sem)

Under the Guidance of

- Dr. Arun Nandurbarkar
- Prof. Dhara Sanghani