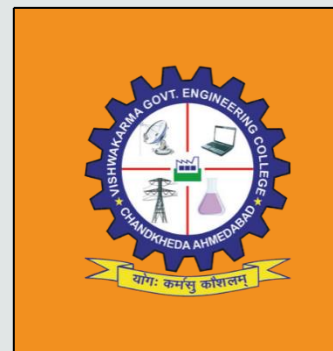
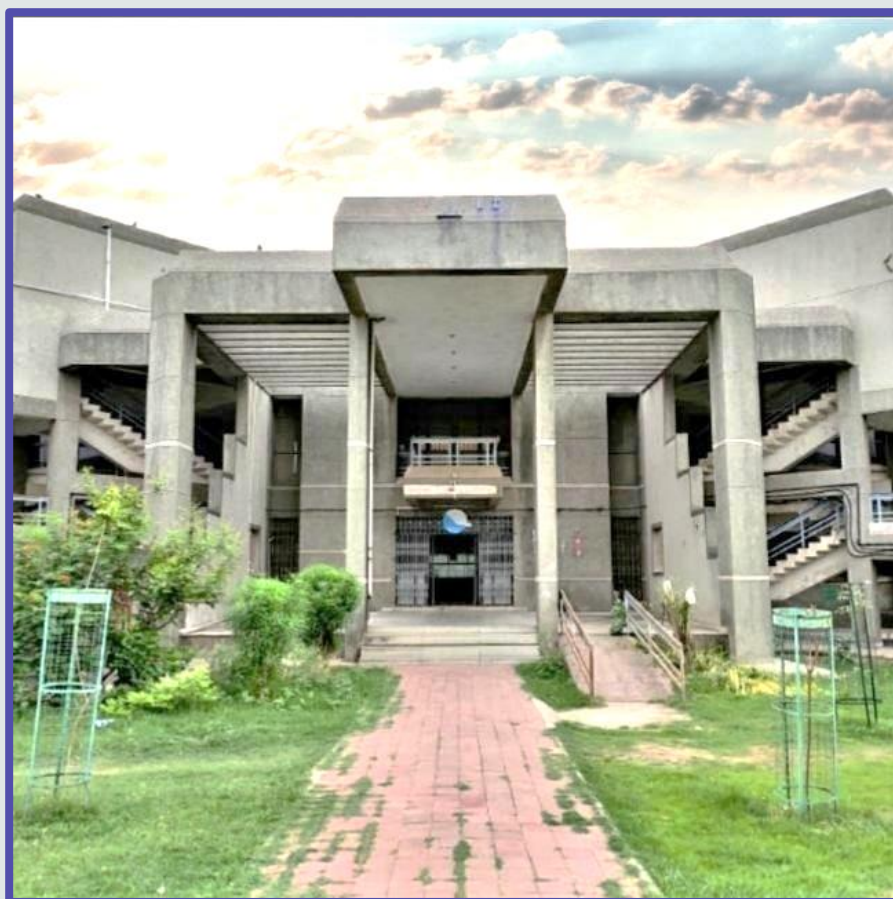


**CHEMICAL ENGINEERING DEPARTMENT  
VISHWAKARMA GOVERNMENT  
ENGINEERING COLLEGE**



# RADIANCE



Newsletter | July - December 2024

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Nr. Visat Three Roads, Sabarmati-Koba Highway, Chandkheda, Ahmedabad – 382424

## From Department Coordinator



**Dr. Femina Patel**  
Head of the Department

I am delighted to announce the publication of **RADIANCE—Volume 7, Issue 2**—the biannual newsletter of the Chemical Engineering Department.

This edition, capturing highlights from **July to December 2024**, presents a vibrant showcase of the department's progress — including notable achievements by faculty and students, insightful expert talks, and a wide range of academic, co-curricular, and extra-curricular endeavours. It serves not only as a record of our journey but also as a source of inspiration and information for continual development.

I take this opportunity to extend heartfelt congratulations to all students and faculties who actively engaged in academic competitions, research initiatives, and personality-enhancing activities. Wishing each one of you continued success and a fulfilling future ahead.

## Glimpses of the Department

The Chemical Engineering Department thrives with energy, driven by a youthful, committed team comprising one Professor, three Associate Professors, eight Assistant Professors, and a skilled laboratory assistant. It's more than just academics here—students are immersed in a culture that fosters growth, resilience, and ambition. Through a dynamic blend of technical excellence and personal development initiatives, they are shaped into future-ready professionals, ready to embrace challenges and turn aspirations into achievements.

The department's core values—integrity, collaboration, dedication, and forward-thinking—form the foundation of student confidence and success. Our faculty continuously broaden their horizons, staying abreast of emerging trends and innovations well beyond the classroom. To bridge the gap between theory and practice, they're regularly exposed to industrial environments and encourage the same for students.

Expert talks, industry interactions, and guidance beyond textbooks are routine. Faculty mentors play a crucial role, offering tailored career advice and personal mentorship, ensuring that every student finds direction and support along their academic journey.

## DEPARTMENT VISION

To foster a vibrant environment for creating professional Chemical Engineers with integrity and ethics.

## DEPARTMENT MISSION

- To develop open access laboratories and infrastructure for conducive learning.
- To enhance the professional engineering skills along with entrepreneurship, innovativeness and management.
- To strengthen linkages with industries, alumni and professional bodies.
- To undertake industry collaborative projects and research.
- To inculcate professional ethics and make socially responsible engineers.

## PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

The Chemical Engineering program aims to develop versatile professionals who can excel in a variety of career environments. The Program Educational Objectives of B.E. (Chemical) program is:

- PEO-1:** To prepare graduates who will be skilled in fundamental concepts of Chemical Engineering.
- PEO-2:** To prepare graduates who will be capable of obtaining position in Industrial, Research, Government, Academic, Entrepreneur or other organizations, which use their technical knowledge and professional skills.
- PEO-3:** To prepare graduates who will have proficiency in execution of real time Chemical Engineering projects.
- PEO-4:** To prepare graduates who will contribute to the socio-economic environment of their communities.

*"Education is not preparation for life; education is life itself"*

*- John Dewey*

## FACULTY AT A GLANCE

|    |                          |       |   |                     |
|----|--------------------------|-------|---|---------------------|
| 1  | Dr. Femina J. Patel      | Ph.D. | Heterogeneous Catalysis,<br>Waste Water Treatment,<br>Automotive Emission Control | Professor           |
| 2  | Prof. Shuchen B. Thakore | M.E.  | Equipment Design  | Associate Professor |
| 3  | Dr. Beena K Sheth        | Ph.D. | Acid Separation by<br>Electro dialysis  | Associate Professor |
| 4  | Dr. Dolly R. Gandhi      | Ph.D. | Thermodynamics  | Associate Professor |
| 5  | Prof. Zoher Z. Painter   | M.E.  | Cleaner Production  | Assistant Professor |
| 6  | Dr. Milap G. Nayak       | Ph.D. | Alternative Energy,<br>Plasma Pyrolysis   | Assistant Professor |
| 7  | Prof. Yogesh J. Morabiya | M.E.  | Green Engineering   | Assistant Professor |
| 8  | Dr. Sunil R. Patel       | Ph.D. | Waste Water Treatment   | Assistant Professor |
| 9  | Dr. Sonal B. Prajapati   | Ph.D. | Pyrolysis,<br>Reaction kinetics   | Assistant Professor |
| 10 | Prof. Jay B. Trivedi     | M.E.  | Waste Water Treatment   | Assistant Professor |
| 11 | Dr. Ujvala P. Christian  | Ph.D. | Polymer Technology  | Assistant Professor |
| 12 | Prof. Rakesh R. Merchant | B.E.  | Chemical Processes  | Assistant Professor |

### *Congratulations to the faculty member !!*



**Prof. S. B. Thakore** has successfully published a significant patent titled **“Dehydration of Ethanol/Water Azeotrope via Extractive Distillation Using Solid Salt NaOH”** (Application Number: 202421051524 A), filed on **5<sup>th</sup> July 2024**.

This publication reflects the department’s ongoing commitment to impactful research that addresses industry-relevant challenges and promotes sustainable engineering practices.

*“Education is not the learning of facts, but the training of the mind to think”*

*– Albert Einstein*

## Students Achievements



**Jay Patel (210170105010)** successfully completed the NPTEL course "**Aspen Plus® Simulation Software – A Basic Course for Beginners**" during the **Jul-Oct 2024**. He earned a consolidated score of **75** and was awarded a certificate for his achievement. This reflects his proactive approach to enhance domain knowledge through online certification programs.



**Kailash Gorfad (210170105002)** successfully completed the NPTEL course "**Aspen Plus® Simulation Software – A Basic Course for Beginners**" during the **Jul-Oct 2024**. He achieved a consolidated score of **68** and was awarded a certificate for his accomplishment. His participation in such inter-institute certification programs reflects dedication toward expanding technical skills beyond the curriculum.



**Rudraprasad Samanta (220173105013)** has been placed at **Fives Combustion Pvt. Ltd., Vadodara** through campus recruitment. We congratulate him on this achievement and wish him continued success in his professional journey.

*"Behind every winner is a story of countless failures, quiet sacrifices, and unstoppable persistence. They didn't stop when it was hard— they kept going because it mattered. So believe in your work, trust your journey, and remember: The real victory lies not just in winning, but in becoming who you were meant to be."*



## DEPARTMENTAL ACTIVITIES

### Expert talk on “Zero Waste Strategies in Chemical Engineering: Challenges and Solutions”

An expert session was arranged on “**Zero Waste Strategies in Chemical Engineering: Challenges and Solutions**”, to make students aware about concepts associated with zero waste strategies in Chemical Engineering on **5<sup>th</sup> August 2024**, by **Mr. Gunjan Gupta**, Deputy Environmental Engineer, Gujarat Environment Management Institute (GEMI). Mainly aimed at minimizing the environmental impact of industrial processes by designing systems that ensure all materials are reused, recycled or recovered, leaving no waste behind. The event was coordinated by **Dr. Dolly Gandhi** and **Dr. Sonal Prajapati**, total of **146** students were participated.



### Expert Lecture on “Expanding Career Horizons: The Significance of Process Safety in Chemical Engineering”

An expert session was arranged on “**Expanding Career Horizons: The Significance of Process Safety in Chemical Engineering**” by **Chemical Engineering Department** to make students aware about technical and managerial aspects associated with a safety in chemical Industries. It was conducted by the Gujarat Institute of Disaster Management (GIDM) on **7<sup>th</sup> August 2024**. Safety management is of paramount importance in industrial operations, particularly in fields like chemical engineering, due to its profound financial implications and the critical emphasis on process safety. The expert was **Mr. Vidiyala Ravi**, Chemical Engineer, PI Industries and **Mr. Umesh Dhake**, Chemical Engineer, Centre for Chemical Process safety, USA. The event was coordinated by **Dr. Dolly Gandhi** and **Dr. Sonal Prajapati** and total of **149** students were participated.



## An Expert Lecture on “Navigating the Future: Career Opportunities, Research, and Post-Graduation Paths in Chemical Engineering”

An expert session was arranged on “**Navigating the Future: Career Opportunities, Research, and Post-Graduation Paths in Chemical Engineering**”, to shed light on potential roles in industries, helping students understand how to align their interests with specific job opportunities. The lecture explained how research plays a pivotal role in innovation and problem-solving, as well as its potential to open doors to higher academic degrees (like M.S. and Ph.D.), specialized roles, and even entrepreneurship. The lecture provides students with real-world examples of successful chemical engineers, offering encouragement and inspiration for them to pursue their dreams and aspirations confidently. The lecture was delivered by **Dr. Sameer V Dalvi**, Professor, Chemical Engineering, IIT Gandhinagar, on **30<sup>th</sup> September 2024**, 04:45 to 05:30 p.m. and total of **70** students of final year were participated. The event was organised by **Dr. Dolly Gandhi and Dr. Sonal Prajapati**.

## ALUMNI INTERACTION

### An Alumni Interaction on “A chai Pe Charcha – Placement Opportunities”

A session on “**A chai Pe Charcha – Placement Opportunities**” was organized featuring a distinguished alumnus who shared valuable, firsthand insights on navigating the placement process. This interactive session was designed to help students gain a practical understanding of interview preparation and equip them with effective strategies for securing placements in top organizations. The lecture was delivered by **Dr. Bhavesh Patel**, Vice President of the Vishwakarma Engineering College Alumni, Association (VAA) on **22<sup>nd</sup> October 2024**, 11:00 to 12:00 p.m. and total of **60** students of final year were participated. The event was organised by **Prof. Zoher Z Painter and Prof. Jay Trivedi**.





## STUDENT START UP POLICY

### Dr. Femina J Patel

- Mentoring SSIP PoCs “Biosynthesis of Magnetic, Recyclable Spinel Photocatalyst: A Sustainable Pathway to Reactive Dye Mixture Degradation by Sunlight”
- Fund Sanctioned: Rs. 2,00,000
- Mentoring SSIP PoCs “Electrochemical Degradation of Reactive Dyes mixture over DSA Electrodes: A sustainable approach”
- Fund Sanctioned: Rs. 1,50,000

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### Prof. Shuchen B Thakore

- Mentoring SSIP PoCs “Separation of absolute alcohol from its aq. Azeotrope solution by adding electrolyte solution as a solvent by extractive distillation”
- Fund Sanctioned: Rs. 1,60,000

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### Dr. Milap G Nayak

- Mentoring SSIP PoCs “Selective Oxidation of Toluene to Benzaldehyde Using Homogeneous Catalyst”
- Fund Sanctioned: Rs. 1,70,000
- Mentoring SSIP PoCs “Trans-esterification of Waste Cooking Oil Using a Homogeneous Catalyst Methane Sulphonic Acid”
- Fund Sanctioned: Rs. 1,20,000
- Mentoring SSIP PoCs “Continuous Flow System of Microwave Assisted Synthesis of Bio Diesel”
- Fund Sanctioned: Rs. 97,000

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### Dr. Sonal. B. Prajapati

- Mentoring SSIP PoCs “Vchem Atmospheric Water Generator”
- Fund Sanctioned: Rs. 38,700

### Dr. Ujvala P Christian

- Mentoring SSIP PoCs “Developing a Data Acquisition System for Chemical Kinetics Studies”
- Fund Sanctioned: Rs. 50,000

## RESEARCH AND INNOVATION

### Dr. P. D. Shah

Former faculty member of the Department, published a research paper titled "**The Potential of Big Data and Machine Learning for Groundwater Quality Assessment and Prediction**" in the reputed journal Archives of Computational Methods in Engineering (Springer), Volume 10156, Page 15, in **August 2024**, reflecting the significant contribution to data-driven environmental modelling and predictive analysis.

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### Dr. Sunil R Patel

### Dr. Milap G Nayak

### Prof. Jay B Trivedi

Published a research article titled "**Energy Efficient Electrocoagulation Using Brass Electrode for Simultaneous Nickel and Chromium Removal from Synthetic Wastewater: Cost and Parametric Evaluation**" in the Scopus-indexed journal Results in Engineering (Elsevier), Volume 22, Article No. 102361, in **June 2024**. The publication highlights innovative and cost-effective approaches in wastewater treatment and environmental engineering.

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### Dr. Dolly R Gandhi

### Priyanka Patel

Presented a paper entitled "**Addressing Emerging Contaminant: The Role of Nano-filtration in Removing Methyl Paraben from**



**Wastewater”** at International Conference on "Trends in Energy and Environmental Research for Sustainable Development-II" (TEERSD-II-2024), **12 - 13 November 2024**, Department of Chemical Engineering, School of Studies of Engineering & Technology, Guru Ghasidas Vishwavidyalaya Bilaspur. (C.G.)

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**Dr. Dolly R Gandhi**  
**Jainam Shah**

Presented a paper entitled “**Optimizing the Synthesis of High-Purity Sulfo-J Acid: Via Sodium Bisulfite as a sulfonating agent and Sodium Hypochlorite as a Catalyst**” at International Conference on "Trends in Energy and Environmental Research for Sustainable Development-II" (TEERSD-II-2024), **12 - 13 November 2024**, Department of Chemical Engineering, School of Studies of Engineering & Technology, Guru Ghasidas Vishwavidyalaya Bilaspur. (C.G.)

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### *The Gift of Education*

*Education lights the darkest skies,  
A path to truth where wisdom lies.  
It breaks the chains of doubt and fear,  
And brings the distant future near.  
More than books or classroom walls,  
It lifts us up when knowledge calls.  
It shapes the soul, the heart, the mind,  
And teaches us to seek, to find.  
With every lesson, we grow free—  
To dream, to build, to simply be.*

## FACULTY PARTICIPATION

**Dr. F. J. Patel**

Was invited as an Invitee **Member in the Board of Studies (BoS)** in Chemical Engineering at the Faculty of Technology & Engineering, Nirma University, Ahmedabad, for the period **20<sup>th</sup> July 2023 to 30<sup>th</sup> December 2024**. This reflects his valuable contribution toward curriculum design and academic development at the university level.

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**Dr. Sunil R Patel**

Attended Industrial Training at **Akshar Chem Pvt. Ltd**, Kadil from, **1<sup>st</sup> July 2024 to 14<sup>th</sup> July 2024**.

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**Dr. Sonal B Prajapati**

Attended Industrial Training at **IFFCO-Kalol** from **1<sup>st</sup> July 2024 to 15<sup>th</sup> July 2024**.

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**Dr. Ujvala P Christian**  
**Prof. Jay B Trivedi**

Attended Industrial Training at Meghmani Organics Ltd., Vatva, from **8<sup>th</sup> – 22<sup>nd</sup> July 2024**.

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**Prof. Yogesh J Morabiya**

Has successfully completed one day training on "**Government e-marketplace Training**" session on **6<sup>th</sup> August 2024**.

He Served as an Examiner for the Departmental Examination for newly recruited employees at the **Gujarat Environment Management Institute (GEMI)**, Gandhinagar, held on **14<sup>th</sup> and 15<sup>th</sup> December 2024**. His involvement as a subject expert highlights the department's role in contributing to institutional training and assessment at reputed autonomous bodies.

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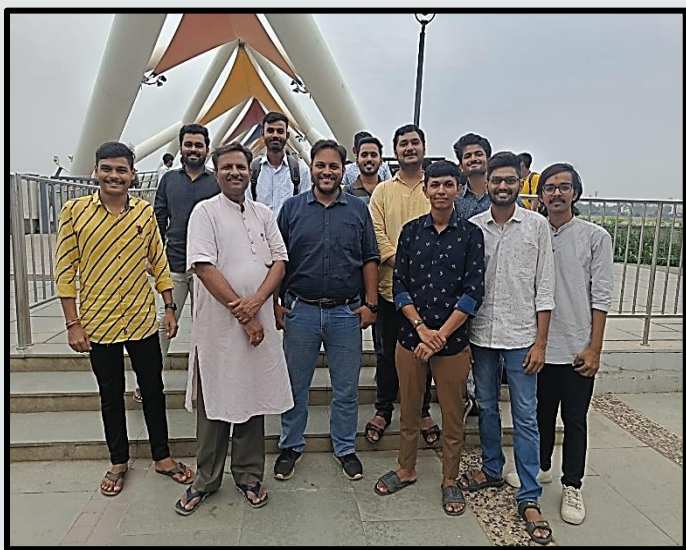
**Dr. Dolly Gandhi**  
**Dr. Sonal Prajapati**

Completed one week training on “**Train the Trainer Programme on effective Implementation of NEP 2020**” during **14<sup>th</sup> - 18<sup>th</sup> October 2024**, Organised jointly by CTE, GOG, GTERS, NITTTR), Chandigarh.

## DEPARTMENT ACTIVITY

### VIKAS SAPTAH Celebration

As a part of the **VIKAS SAPTAH** celebration on **11<sup>th</sup> October 2024**, the **Chemical Engineering Department** of VGECE organized an educational visit to the **Atal Bridge, Ahmedabad**. A group comprising **10 students and 2 faculty members (Prof. J. B. Trivedi and Prof. R. R. Merchant)** actively participated in this experiential learning activity, aimed at promoting awareness of Gujarat's infrastructural development and public utility design.



As part of the **VIKAS SAPTAH** celebration on **11<sup>th</sup> October 2024**, students and faculty members of VGECE visited **GIFT City (Gujarat International Finance Tec-City)** and Sabarmati Bullate Train station project site.

The visit took place under the coordination of **Dr. U. P. Christian, Dr. S. R. Patel and Prof. J. B. Trivedi**. It aimed to provide students with a real-world understanding of India's first operational smart city and international financial services hub, as well as insights into the country's advancements in high-speed rail technology. The participants explored the city's infrastructure planning, sustainability practices, fintech integration, and smart governance systems.



As part of the **VIKAS SAPTAH** celebrations, the Chemical Engineering Department organized an **Elocution and Essay Writing Competition** on the theme “**Climate Change and Environmental Sustainability**” on **9<sup>th</sup> October 2024**. The event aimed to raise awareness among students about the environmental challenges affecting our nation and the sustainable practices required to address them. The event was coordinated by **Dr. B. K. Sheth, Dr. D. R. Gandhi and Dr. U. P. Christian**. Total of **40** Students were participated in the event.





At the end of the event, all participants and faculty members took the **Bharat Vikas Pledge**, affirming their dedication to building a progressive and sustainable India.

### Participation in SEMICON – 2024 at Noida

The Chemical Engineering Department of VGEC, Chandkheda actively participated in **SEMICON–2024**, a premier event held at Noida from **11<sup>th</sup> – 13<sup>th</sup> September 2024**. The event focused on semiconductor technology, electronics manufacturing, and related innovations, providing students with an excellent opportunity to explore cutting-edge developments and engage with industry leaders. A total of **7** students participated in the event offline, while more than **100** students attended the online inaugural ceremony, which was coordinated by **Dr. U. P. Christian and Prof. J. B. Trivedi**.



### 4<sup>th</sup> Renewable Energy Invest Summit 2024

The Department has actively promoted student participation in the **4<sup>th</sup> Renewable Energy Invest Summit 2024**, a flagship event organized to showcase innovations, policies, and investment opportunities in the renewable energy sector.

Faculty members inspired students to explore this opportunity to engage with global leaders, policymakers, and industry experts working in clean and sustainable energy domains.

This initiative reflects the department's commitment to fostering awareness and involvement in national-level sustainability and energy initiatives among future engineers.





# PROFESSIONAL DEVELOPMENT: INSIGHTS INTO STUDENT INDUSTRIAL TRAINING/INTERNSHIP

| Enrolment    | Student Name      | Industry Name                           |
|--------------|-------------------|---|
| 200170105005 | Jha Aniket        | Styrenix Performance Material, Katol    |
| 200170105064 | Vadgama Samir     | Dew Ltd.                                |
| 210170105001 | Gorfad Shyam      | GHCL., Sutrapada                        |
| 210170105002 | Gorfad Kailash    | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105003 | Dholariya Darshan | Karunesh Remedies, Panoli               |
| 210170105004 | Kava Avadh        | Nirma Pvt Ltd., Bhavnagar               |
| 210170105005 | Koyani Jay        | Amura Polymers Pvt. Ltd., GIDC Chhatral |
| 210170105007 | Asodariya Akshay  | Expanded Polymer Systems, Dahej         |
| 210170105008 | Bhagat Utkarsh    | Anand Milk Union Ltd., Anand            |
| 210170105009 | Vasan Dinesh      | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105010 | Patel Jay         | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105011 | Purohit Manan     | IFFCO, Kalol                            |
| 210170105012 | Kava Sahil        | RPG Life Science, Bharuch               |
| 210170105013 | Raval Aumshree    | Amura Polymers Pvt. Ltd., GIDC Chhatral |
| 210170105014 | Arya Rohan        | Parth Industries, GIDC Vatva            |
| 210170105015 | Vankar Rachita    | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105017 | Rawal Rishabh     | Heubach Colours Pvt Ltd., Ankleshwar    |
| 210170105018 | Padiya Dev        | Nirma Pvt Ltd., Bhavnagar               |
| 210170105019 | Barot Mehul       | Anand Milk Union Ltd., Anand            |
| 210170105020 | Rakholiya Smit    | IFFCO, Kalol                            |
| 210170105021 | Prajapati Puja    | Anand Milk Union Ltd., Anand            |
| 210170105022 | Patel Meetkumar   | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105023 | Makvana Romit     | IFFCO, Kalol                            |
| 210170105024 | Savakiya Nihar    | Gayatri Chemical Ind., Ankleshwar       |

|              |                  |   |
|--------------|------------------|---|
| 210170105025 | Chauhan Sevak    | Thirumalai Chemicals Ltd.,              |
| 210170105026 | Surani Raj       | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105027 | Buhecha Akshay   | Perfect Chemical Pvt. Ltd., Ankleshwar  |
| 210170105028 | Raval Janmenjay  | Amura Polymers Pvt Ltd., GIDC Chhatral  |
| 210170105029 | Ranpariya Jeet   | Dhanuka Agritech Ltd., Sanand           |
| 210170105030 | Patel Ayush      | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105031 | Patel Utsavkumar | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105032 | Dhoriyani Raj    | Dhanuka Agritech Ltd., Sanand           |
| 210170105033 | Gohil Chetan     | Nayara Energy Ltd., Khambhaliya         |
| 210170105034 | Raval Nidhi      | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105035 | Pitroda Rytham   | Gujarat Halogen Petrochem Corp. Lunej   |
| 210170105036 | Padhiyar Devangi | Amura Polymers Pvt. Ltd., GIDC Chhatral |
| 210170105037 | Vyas Priya       | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105038 | Patel Tirth      | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105039 | Patel Harsh      | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105040 | Dangi Atulshakti | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105041 | Patel Dhruv      | Atul Ltd., Valsad                       |
| 210170105042 | Miguel Nalsera   | L&T Edu Tech, Ahmedabad                 |
| 210170105043 | Bhadani Nevil    | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105044 | Vaja Mahesh      | GHCL., Sutrapada                        |
| 210170105045 | Chariya Himanshu | IFFCO, Kalol                            |
| 210170105046 | Gurjar Parth     | Hellogreen Products, Bhavnagar          |
| 210170105047 | Munjani Krish    | Sigma Life Science, GIDC Panoli         |
| 210170105048 | Chauhan Arjun    | Hellogreen Products, Bhavnagar          |
| 210170105049 | Bhimani Parthiv  | Zydus Lifescience Ltd., Ankleshwar      |
| 210170105050 | Jethava Arjun    | Darshan Industries, Ankleshwar          |
| 210170105051 | Mishra Lav       | Darshan Industries, Ankleshwar          |
| 210170105052 | Thakar Karan     | Meghmani Organic Ltd., GIDC Vatva       |
| 210170105053 | Patel Prince     | Amura Polymers, GIDC Chhatral           |

|              |                     |   |
|--------------|---------------------|---|
| 210170105054 | Rathwa Satish       | Oriental Aromatics Ltd., Vadodara       |
| 210170105056 | Jariya Saurang      | Exemed Pharma, Vadodara                 |
| 210170105057 | Parmar Tarang       | Zentiva Private Ltd., Ankleshwar        |
| 210170105058 | Patel Tirth         | GFL, GIDC Dahej                         |
| 210170105059 | Rana Shauryajeet    | Silox Pvt Ltd., Vadodara                |
| 210170105060 | Gupta Shubham       | Grasim Industries Ltd., Veraval         |
| 210170105061 | Kher Mihir          | Dhara Colourchem Pvt Ltd., Vatva        |
| 210170105062 | Vadhiya Rajdip      | Kanha Life Science LLP, GIDC Vatva      |
| 210170105064 | Sankhla Anku        | Zentiva Private Ltd., GIDC Ankleshwar   |
| 210170105066 | Nannera Preet       | Kanha Life Science LLP, GIDC Vatva      |
| 210170105068 | Karangiya Rajesh    | R K Synthesis Ltd., GIDC Vatva          |
| 210170105069 | Rathod Kamal        | R K Synthesis Ltd., GIDC Vatva          |
| 210170105070 | Makandiya Manav     | RPG Life Science Chemical, Bharuch      |
| 210170105071 | Aal Arjan           | Kanha Life Science LLP, GIDC Vatva      |
| 210170105072 | Kalsariya Ashvin    | Meghmani Organic Ltd., GIDC Vatva       |
| 220173105001 | Pandey Abhishek     | Bayer Vapi Private Ltd., GIDC Valsad    |
| 220173105002 | Devmurari Bhargav   | Perfect Chemicals Pvt. Ltd., Ankleshwar |
| 220173105003 | Goswami Kishan      | Visat Chemical Industries, Visnagar     |
| 220173105004 | Kalavadiya Jaivik   | Zydus Lifescience Ltd., Ankleshwar      |
| 220173105006 | More Ritesh         | Dhara Colourchem Pvt Ltd., Vatva        |
| 220173105007 | Nathvani Karan      | Perfect Chemical Pvt. Ltd. Ankleshwar   |
| 220173105008 | Patel Kishankumar   | Nayara Energy Ltd., Khambhaliya         |
| 220173105009 | Patel Shrey         | IFFCO, Kalol                            |
| 220173105010 | Pathar Sagar        | Austin Alloy Cast Pvt. Ltd., Bharudi    |
| 220173105011 | Rathod Bhagyashree  | Excel Enviro Tech Pvt Ltd., Ahmedabad   |
| 220173105012 | Sadafale Abhishek   | IFFCO, Kalol                            |
| 220173105013 | Samanta Rudraprasad | Perfect Chemicals, Pvt Ltd., Ankleshwar |
| 220173105014 | Shukla Nimit        | IFFCO, Kalol                            |
| 220173105015 | Sinha Suraj         | Parasnath Udhyog, Gandhinagar           |
| 220173105016 | Vankar Harshid      | Jay Chemicals Industries Pvt. Ltd.,     |

## STUDENT PARTICIPATION

**Jeet Dhameliya (230170105011)**

**Shlok Goswami (220170105017)**

Were part of the **VGEC Kabaddi Team** that secured victory in the Shree Ram Tournament, on **22<sup>nd</sup> December 2024**.



**Dhruv Patel (230173105011)**

**Dixit Prajapati (230173105013)**

**Shivam Prajapati (230173105014)**

Had participated secured 2<sup>nd</sup> Runner-up position in Aamantran: CODM Esports at IIT Madras on **26<sup>th</sup> - 28<sup>th</sup> July 2024**.

Had successfully participated in the Smart India Hackathon 2024 on **10<sup>th</sup> September 2024**, organized by the Ministry of Education's Innovation Cell (MIC) and AICTE.

**Nevil Bhadani (210170105043)**

Had participated in a One-Day Workshop on "**Heat Integration using ASPEN Energy Analyser**" held on **28<sup>th</sup> September 2024** at the School of Engineering & Applied Sciences, Ahmedabad University.

**Jems Vaishnav (230170105074)**

Had successfully participated in Cricket organized by the National Sports & Physical Fitness Board on **21<sup>st</sup> November 2024**.

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**Dixit Prajapati (230173105013)**

Had successfully completed the **Bharat Vikas Pledge** on **7<sup>th</sup> October 2024**, As part of the **VIKAS SAPTAH** celebrations.

Had successfully completed the **Integrity Pledge** on **30<sup>th</sup> October 2024**, reaffirming commitment to honesty, transparency, and ethical conduct as part of the nationwide Vigilance Awareness Week initiative.

Had successfully completed the **GRAMMAR CRAMMER** Online Quiz on **11<sup>th</sup> November 2024**, organized by SCOPE (Society for Creation of Opportunities through Proficiency in English) under the Department of Education.

Had successfully taken the **Road Safety Quiz** on **3<sup>rd</sup> September 2024**, organized by MyGov in collaboration with the Ministry of Road Transport & Highways as part of their ongoing initiative to promote awareness about traffic rules and road safety.

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**Jenisha Hemnani (230170105020)**

Had participated in the **VGEC Viksit Bharat Ideathon Contest** held on **15<sup>th</sup> October 2024**, organized by VGEC, Chandkheda.

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**Parth Panchal (220170105037)**

Had been part of the winning Chess Zonal Team at the **GTU Spirit 2024-25** event on **1<sup>st</sup> August 2024**, and secured **3<sup>rd</sup>** place in the Chess Interzonal Team Competition held on **13<sup>th</sup> August 2024** at Neotech Institute of Technology, Vadodara.



**Rushi Gondaliya (220170105015)**

**Prajapati Dhavani (220170105051)**

**Goswami Shlok (220170105017)**

**Dharmi Lakhani (230170105013)**

**Jenisha Hemnani (230170105020)**

**Nimi Jha (230170105026)**

**Darshan Joshi (230170105027)**

**Dhwani Nalavde (230170105037)**

**Prit Modha (230170105061)**

**Priyanshu Marathe (230170105062)**

**Yash Vasava (230170105078)**

**Khushi Kasundra (240173105007)**

Were declared the Department-level Champion in Smart India Hackathon 2024 on **10<sup>th</sup> September 2024**.



**Garv Agarwal (220170105013)**

**Tejas Kamdi (220170105022)**

**Vikram Rajput (220170105057)**

**Malhar Thaker (220170105069)**

Had participated in a Seminar on "**E-Waste Management**" held on **14<sup>th</sup> October 2024**, organized by GPCB and GEMI.

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**Nalavade Dhvani (230170105037)**

Had participated in Meghdhanush 7.0 Drawing Competition held by VGEC Adventure Club on **13<sup>th</sup> August 2024**.

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**Vaghri Tejal (230170105072)**

Had participated as a NSS Volunteer in **NATIONAL INTEGRATION CAMP 2024 (NIC)** and secured 1<sup>st</sup> Position in the Poster Making Competition held at Hemchandracharya North Gujarat University, Patan, Gujarat, from **8<sup>th</sup> - 14<sup>th</sup> November 2024**.

Had participated in **MEGHDHANUSH 7.0** Drawing Competition held by VGEC Adventure Club on **13<sup>th</sup> August 2024**.



**Nimi Jha (230170105026)**

Had represented the institute in a Sanskrit shloka presentation at the State-level NSS Day celebration held on **23<sup>rd</sup> September 2024** at Gujarat University, Ahmedabad.

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**Aarshvi Vasaiya (230170105002)**

**Jenisha Hemnani (230170105020)**

Had participated in the Flag Hoisting Ceremony celebrating India's **78<sup>th</sup> Independence Day** on **15<sup>th</sup> August 2024** at VGEC, organized by NSS VGEC with patriotic fervor and active student involvement.



*"Education is not just the learning of facts, but the training of the mind to think. It opens doors to opportunity, builds character, and empowers change."*

*True education inspires curiosity, nurtures values, and shapes responsible citizens.*

Aarshvi Vasaiya (230170105002),  
 Dharmi Lakhani (230170105013),  
 Janvi Doshi (230170105016),  
 Jenisha Hemnani (230170105020),  
 Nimi Jha (230170105026),  
 Dhwani Nalavade (230170105037),  
 Tejal Vaghri (230170105072)



Had participated in a Blood Donation Camp held at Raj Bhavan on **16<sup>th</sup> July 2024**, organized by VGEC NSS team in memory of the birthday of Late Governor Darshna Devi.

Jenisha Hemnani (230170105020)

Aarshvi Vasaiya (230170105002)

Dharmi Lakhani (230170105013)

Janvi Doshi (230170105016)

Nimi Jha (230170105026)

Dhwani Nalavade (230170105037)

Tejal Vaghri (230170105072)

Had participated in the “**Joy of Giving**” campaign from **15<sup>th</sup> September - 25<sup>th</sup> October 2024** at VGEC, encouraging public donations to support underprivileged families.

## PARTICIPATION IN WEBINAR AND QUIZ

Harpalsinh Jadeja (230170105021)

Had successfully completed the **GRAMMAR CRAMMER E-Quiz 82** with a 90% score on **30<sup>th</sup> September 2024**, organized by SCOPE (Society for Creation of Opportunities through Proficiency in English) under the Department of Education.

Had proudly received the **Fair Play Pledge Certificate** on **13<sup>th</sup> November 2024**, through the MyGov Unified Online Pledge Platform, as part of a national initiative to promote ethical conduct, fairness, and integrity in civic and professional life.

Had successfully taken the “**Healthy Soil, Healthy Life**” Pledge on **14<sup>th</sup> November 2024**, organized by the Ministry of Agriculture & Farmers Welfare in collaboration with MyGov, on the occasion of World Soil Day 2024.

Had successfully taken the **Siddha Medicine Pledge** on **14<sup>th</sup> November 2024**, organized by the Ministry of AYUSH and the Central Council for Research in Siddha (CCRS) in collaboration with MyGov.

Had successfully completed the **Bharat Vikas Pledge** on **7<sup>th</sup> October 2024**, As part of the **VIKAS SAPTAH** celebrations.

**Dhruv Patel (230173105011)**

**Dixit Prajapati (230173105013)**

**Shivam Prajapati (230173105014)**

Had successfully participated in National Unity Day Quiz on **12<sup>th</sup> November 2024**, officially hosted on the MyGov platform.

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**Dhruv Bhuvra (230170105004)**

Had successfully completed the #Cheer4Bharat Paris Olympics Quiz 2024 on **9<sup>th</sup> July 2024**, organized by the Ministry of Youth Affairs & Sports (MYAS) and the Sports Authority of India.

Had successfully completed the **Shoonya – Zero Pollution Mobility Campaign Quiz** on **9<sup>th</sup> July 2024**, organized by **NITI Aayog (National Institution for Transforming)** in collaboration with **MyGov**. The national-level quiz aimed to promote awareness about electric vehicles and clean mobility solutions under the Shoonya initiative.

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**Hinal Ravat (230170105066)**

**Tokhi Satbir (230170105070)**

**Jems Vaishnav (230170105074)**

**Chavda Niraj (240173105001)**

**Gajera Het (240173105004)**

**Nilesh Joshi (240173105011)**

**Pallar Jashwanth (240173105014)**

Had successfully taken the Bharat Vikas Pledge on **7<sup>th</sup> October 2024**.

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**Shreyansh Jani (230170105023)**

Had successfully completed Introduction to Artificial Intelligence and Introduction to Digital

Marketing courses from Great Learning Academy on **17<sup>th</sup> August 2024**.

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**Khushi Kasundra (240173105007)**

**Nilesh Joshi (240173105011)**

Had successfully completed the Road Safety Pledge on **4<sup>th</sup> September 2024**, as part of an ongoing safety campaign led by MyGov in collaboration with the Ministry of Road Transport & Highways, through the unified online pledge platform promoting responsible driving and traffic rule awareness.

**Nalavade Dhwani (230170105037)**

Had successfully completed the **Swachh Bharat Mission Grameen Phase-II Quiz** on **13<sup>th</sup> July 2024**, organized by the **Department of Drinking Water and Sanitation (DDWS)** under the **Ministry of Jal Shakti**, in collaboration with **MyGov**.

Had successfully participated in the **Indian Sign Language 2024 Quiz** on **10<sup>th</sup> October 2024**, organized by the Department of Empowerment of Persons with Disabilities (DePWD) under the Ministry of Social Justice and Empowerment, in collaboration with MyGov.

Had participated in Online Learning Techniques Webinar by NSS Training College, Kerala, on **12<sup>th</sup> November 2024**.

Had successfully participated in the **Income Tax Quiz** on **13<sup>th</sup> July 2024**, organized by the Income Tax Department, Central Board of Direct Taxes (CBDT), Government of India, in collaboration with MyGov.

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**Chavda Niraj (240173105001)**

Had successfully completed the **GRAMMAR CRAMMER E-Quiz 85** on **11<sup>th</sup> November 2024**, organized by SCOPE (Society for Creation of Opportunities through Proficiency in English) under the Department of Education.



## CREATIVE CORNER



आज मुँह पे उन वीरो की वीरता के गान है,  
तो इन आँखों मे वीरो की कुर्बानी के आँसू,  
मस्तिक वह साहसी वीरगाथा से भरा है तो,  
इन कानो में है उस दर्दनाक मौत की चीखें,  
कितने अपनी जान से बेवफा रहे वह लोग,  
इस तीन रंगों के लिए या भारतीयों के लिए

*By Prem Patel*  
*(2<sup>nd</sup> year Student)*

## EDITORIAL TEAM

**Dr. Femina J. Patel**  
(Department Coordinator)

**Dr. Sonal B Prajapati**  
(Newsletter team Coordinator)

### **Student Team**

Mayur Kasotiya (3<sup>rd</sup> year)  
Manan Shah (3<sup>rd</sup> year))  
Jenisha Hemnani (2<sup>nd</sup> Year)  
Nimi Jha (2<sup>nd</sup> Year)  
Kirtan Patel (2<sup>nd</sup> Year)

*"Success is the sum of small efforts,  
repeated day in and day out."*

*— Robert Collier*



**-By Nizamuddin Idrisi ( 2<sup>nd</sup> year Student)**