

**CHEMICAL ENGINEERING DEPARTMENT  
VISHWAKARMA GOVERNMENT  
ENGINEERING COLLEGE**



# RADIANCE



Newsletter | January - June 2025

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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 8, Issue 1—the biannual newsletter of the Chemical Engineering Department.

This edition highlights key achievements, expert talks, and activities from January to June 2025.

It reflects the vibrant progress of our department and the dedication of our faculty and students.

Congratulations to everyone who actively participated in academic, research, and co-curricular initiatives.

May this newsletter inspire continued excellence and growth for all.

## Glimpses of the Department

The Department of Chemical Engineering is a vibrant hub of innovation and learning, powered by a dedicated team of experienced faculty members and skilled laboratory staff. Beyond academics, the department nurtures a culture of curiosity, resilience, and ambition—preparing students to excel not only in technical fields but also in life.

Blending technical expertise with holistic development, the department empowers students to grow into confident, future-ready professionals. Guided by values of integrity, collaboration, dedication, and innovation, faculty and students together create an environment that sparks creativity and progress.

Faculty members stay attuned to emerging technologies and industry trends, bringing real-world perspectives into the classroom. Industrial visits, expert lectures, and hands-on experiences bridge the gap between theory and practice, making learning truly immersive.

Mentorship lies at the heart of this ecosystem. Through individual guidance, career support, and personal encouragement, faculty mentors ensure every student receives the direction and confidence needed to transform aspirations into achievements.

## 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 the most powerful weapon which you can use to change the world.”*

*— Nelson Mandela*

## FACULTY AT A GLANCE

|    |                                                      |       |                                                                                      |                        |
|----|------------------------------------------------------|-------|--------------------------------------------------------------------------------------|------------------------|
| 1  | Dr. Femina J. Patel                                  | Ph.D. | Heterogeneous Catalysis,<br>Waste Water Treatment,<br>Automotive Emission<br>Control | Professor              |
| 2  | Prof. Shuchen B. Thakore<br>(Relieved on 03-04-2025) | M.E.  | Equipment Design                                                                     | Associate<br>Professor |
| 3  | Dr. Beena K Sheth                                    | Ph.D. | Acid Separation by<br>Electro dialysis                                               | Associate<br>Professor |
| 4  | Dr. Dolly R. Gandhi<br>(Relieved on 02-05-2025)      | Ph.D. | Thermodynamics                                                                       | Associate<br>Professor |
| 5  | Dr. Hiral N Pandya<br>(Joined on 24-04-2025)         | Ph.D. | Synthesis and<br>Characterization of<br>Biodiesel / Biofuel                          | Associate<br>Professor |
| 6  | Dr. Girish D Vegad<br>(Joined on 24-04-2025)         | Ph.D. | Thermodynamics, CFD,<br>Numerical Methods                                            | Associate<br>Professor |
| 7  | Prof. Zoher Z. Painter                               | M.E.  | Cleaner Production                                                                   | Assistant<br>Professor |
| 8  | Dr. Milap G. Nayak<br>(Relieved on 23-04-2025)       | Ph.D. | Alternative Energy,<br>Plasma Pyrolysis                                              | Assistant<br>Professor |
| 9  | Prof. Yogesh J. Morabiya                             | M.E.  | Green Engineering                                                                    | Assistant<br>Professor |
| 10 | Dr. Sunil R. Patel                                   | Ph.D. | Waste Water<br>Treatment                                                             | Assistant<br>Professor |
| 11 | Dr. Sonal B. Prajapati                               | Ph.D. | Pyrolysis,<br>Reaction kinetics                                                      | Assistant<br>Professor |
| 12 | Prof. Jay B. Trivedi                                 | M.E.  | Waste Water<br>Treatment                                                             | Assistant<br>Professor |
| 13 | Dr. Ujvala P. Christian                              | Ph.D. | Polymer Technology                                                                   | Assistant<br>Professor |
| 14 | Prof. Rakesh R. Merchant                             | B.E.  | Chemical Processes                                                                   | Assistant<br>Professor |

*“To those who have moved on — your wisdom will forever echo in our halls; to those who have joined — your presence marks the beginning of new horizons.”*

## Industry - Institute Collaboration- Memorandum of Understanding

| Sr. No. | Industry Partner         | Location  | Year of MoU | Key Collaborative Activities                                                               |
|---------|--------------------------|-----------|-------------|--------------------------------------------------------------------------------------------|
| 1       | Excel Enviro Tech        | Ahmedabad | 2025        | Hands-on exposure to wastewater treatment technologies, field training and expert sessions |
| 2       | Meghmani Organics Ltd.   | Ahmedabad | 2025        | Industry Visits, Conduct placement drives, Provide internship/ in-plant training           |
| 3       | Macro Polymers Pvt. Ltd. | Sanand    | (2025)      | Industrial visits, expert lectures, internship opportunities, Placement                    |

### Congratulations to the faculty member !!



**Prof. S. B. Thakore** has filed a patent titled “**A Dehydration of Tetrahydrofuran/Water via Extractive Distillation using Solid NaOH**” (Application No.: 202521038944) on **23<sup>rd</sup> April 2025**. This patent reflects the department’s commitment to research and development, transforming academic insights into practical and impactful solutions.



Has successfully secured a research grant of **₹15,00,000/-** under Climate Change Department, Government of Gujarat, Research Promotion, for the project titled “**Climate Change Mitigation using Hybrid Ultrasound and Membrane Assisted Biodiesel Production Technique**”.

Has also successfully secured a research grant of **₹2,00,000/-** under **Technical Education–STEM**, for the project titled “**Optimizing Biodiesel Production using Microwave Irradiation, Nano Catalysts, and Hybrid Membrane Separation**”. This combined approach targets higher efficiency, reduced carbon footprint, and scalable, energy-efficient biofuel production methods that contribute to climate change mitigation.



Has successfully secured a research grant of **₹ 2,00,000/-** Research Promotion under Technical Education-STEM, for the project titled “**Thermochemical Conversion: A Comprehensive Analysis of Co-pyrolysis of PCBs and Biomass**” The grant was officially sanctioned on **January 9, 2025**. This research aims to explore the potential of co-pyrolysis as an advanced thermochemical process for the effective conversion of waste printed circuit boards (PCBs) and biomass into valuable energy resources.

## *Students Achievements*



**Sheth Bhavan Pareesh**, a dedicated student of Master of Engineering in Chemical Engineering, has been awarded the Gold Medal for academic excellence. With an outstanding **CPI of 8.82**, Bhavan received this prestigious honour on **28<sup>th</sup> January 2025**.



**Moses Jere**, a student of Master of Engineering, has secured the **5<sup>th</sup> Rank and a prize of ₹1000** in abstract submission at the **Gujarat Cleaner Production Centre (GCPC)** on **1<sup>st</sup> March 2025**. His research on Cleaner Production and Clean Technology under Interlinking of Industries, Academia, and Government has been recognized for the academic year 2024–25, under the mentorship of **Prof. Z. Z. Painter**.



**Adarsh Prajapati** has secured **3<sup>rd</sup> Rank** and price of ₹3000, in abstract submission at **Gujarat Cleaner Production Centre (GCPC)** on **1<sup>st</sup> March 2025**. Their research on Cleaner Production and Clean Technology under Interlinking of Industries, Academia, and Government has been recognized for the year 2024-25, under the mentorship of **Dr. Milap G. Nayak**.



**Jani Shreyansh** had completed 12 Week of NPTEL online course on “**MATLAB Programming for Numerical Computation**” organized by IIT, Madras from January – April 2025.

## *GATE Achievers*



**Jay Patel**  
210170105010

**AIR 1563**



**Aniket Jha**  
200170105005

**AIR 983**



**Satyam Singh**  
200170105013

**AIR 580**



**Aumshree Raval**  
210170105013

**AIR 189**

## *On/Off Campus Placement Details*

| <b>Sr. No.</b> | <b>Student Name</b>   | <b>Year of passing</b> | <b>On/Off Campus Placement</b> | <b>Name of the Employer</b>                                                                                 |
|----------------|-----------------------|------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------|
| 1              | Utkarsh Bhagat        | 2025                   | On Campus                      | Arvind Envisol Ltd., Chatral                                                                                |
| 2              | Jay Patel             | 2025                   | On Campus                      | Apara Anlyticals, Ahmedabad                                                                                 |
| 3              | Manan Purohit         | 2025                   | On Campus                      | Jet Vacuum Systems Pvt. Ltd., Vadodara                                                                      |
| 4              | Aumshree Raval        | 2025                   | On Campus                      | Arvind Envisol Ltd., Chatral                                                                                |
| 5              | Mehul Barot           | 2025                   | On Campus                      | Adani Enterprises Ltd., Ahmedabad                                                                           |
| 6              | Meetkumar Patel       | 2025                   | On Campus                      | Reliance Industries Ltd., Jamnagar, Adani Enterprises Ltd., Ahmedabad                                       |
| 7              | Nihar Savakiya        | 2025                   | On Campus                      | Reliance Industries Ltd., Jamnagar, Adani Enterprises Ltd., Ahmedabad                                       |
| 8              | Sevak Chauhan         | 2025                   | On Campus                      | Adani Enterprises Ltd., Ahmedabad                                                                           |
| 9              | Akshay Buhecha        | 2025                   | On Campus                      | Adani Enterprises Ltd., Ahmedabad                                                                           |
| 10             | Priya Vyas            | 2025                   | On Campus                      | Reliance Industries Ltd., Jamnagar, Jet Vacuum Systems Pvt. Ltd., Vadodara                                  |
| 11             | Atulshakti Dangi      | 2025                   | On Campus                      | Apara Anlyticals, Ahmedabad                                                                                 |
| 12             | Parthiv Bhimani       | 2025                   | On Campus                      | Reliance Industries Ltd., Jamnagar, Adani Enterprises Ltd., Ahmedabad                                       |
| 13             | Arjun Jethava         | 2025                   | Off Campus                     | Reliance Industries Ltd., Jamnagar                                                                          |
| 14             | Lav Mishra            | 2025                   | On Campus                      | Adani Enterprises Ltd., Ahmedabad                                                                           |
| 15             | Tarang Parmar         | 2025                   | Off Campus                     | Reliance Industries Ltd., Jamnagar                                                                          |
| 16             | Shauryajeet sinh Rana | 2025                   | Off Campus                     | Reliance Industries Ltd., Jamnagar                                                                          |
| 17             | Rajdip Vadhiya        | 2025                   | On Campus                      | Reliance Industries Ltd., Jamnagar, Adani Enterprises Ltd, Ahmedabad Jet Vacuum Systems Pvt. Ltd., Vadodara |
| 18             | Preet Nannera         | 2025                   | On Campus                      | Adani Enterprises Ltd., Ahmedabad                                                                           |
| 19             | Arjan Aal             | 2025                   | On Campus                      | Adani Enterprises Ltd., Ahmedabad                                                                           |
| 20             | Karan Nathvani        | 2025                   | Off Campus                     | Reliance Industries Ltd., Jamnagar                                                                          |
| 21             | Sagar Pathar          | 2025                   | On Campus                      | Adani Enterprises Ltd., Ahmedabad                                                                           |
| 22             | Rudraprasad Samanta   | 2025                   | On Campus                      | Fives Combustion Systems Pvt. Ltd., Dabhasa                                                                 |
| 23             | Nimit Shukla          | 2025                   | On Campus                      | Reliance Industries Ltd, Jamnagar Jet Vacuum Systems Pvt. Ltd., Vadodara                                    |
| 24             | Harshidkumar Vankar   | 2025                   | Off Campus                     | Reliance Industries Ltd., Jamnagar                                                                          |

## DEPARTMENTAL ACTIVITIES

### A One-Day Workshop on “MASTERCLASS ON PROCESS EQUIPMENT DESIGN | PUMPS | VALVES | BLOWERS | COMPRESSORS”

The Indian Institute of Chemical Engineers (IIChE) Student Chapter VGEC, in collaboration with the Placement Cell of the Chemical Engineering Department, successfully organized a one-day workshop titled “**Masterclass on Process Equipment Design | Pumps | Valves | Blowers | Compressors**” on **February 15, 2025**, from 11:00 a.m. to 4:00 p.m. at Homi Bhabha Seminar Hall - J-205, VGEC Chandkheda. Conducted by **Prof. S. B. Thakore, Associate Professor**, Chemical Engineering Department, the workshop provided undergraduate students from Ahmedabad and nearby institutes with practical insights into process equipment design related to fluid transportation systems. A total of **77** participants attended the offline session, gaining valuable technical knowledge to enhance their industry readiness. The event, coordinated by **Prof. Z. Z. Painter and Dr. U. P. Christian**, contributed significantly to bridging the gap between academic learning and industrial applications, preparing students for future professional challenges.



### An Expert Lecture on “The Path of Petroleum: Formation, Exploration, and Processing”

The Chemical Engineering Department, under the banner of the IE(I) Students Chapter, successfully organized an expert lecture titled “**The Path of Petroleum: Formation, Exploration, and Processing**” on **February 18, 2025**, from 11:30 a.m. to 1:30 p.m. at J-205. Delivered by **Mr. Prem Kumar Chawla**, Retd. Deputy General Manager (Wells), Oil & Natural Gas Corporation Ltd. (ONGC), Ahmedabad, the session provided a comprehensive understanding of petroleum’s lifecycle, from its formation to refining. The lecture also introduced students to advanced technologies and innovations in the oil and gas industry, highlighting career and research opportunities in petrochemicals and the energy sector. A total of **143** participants attended the insightful session, gaining valuable industry knowledge. Coordinated by Prof. Dolly Gandhi and Prof. Sonal Prajapati, the event played a crucial role in expanding students’ awareness of the petroleum industry and its future prospects.



*“Little by little, one travels far.”*  
— J.R.R. Tolkien



### An Expert Lecture on “Introduction to COMSOL Multiphysics and Its Applications in Chemical Engineering”

The Chemical Engineering Department, under the banner of the IE(I) Students Chapter, successfully organized an expert lecture on “**Introduction to COMSOL Multiphysics and Its Applications in Chemical Engineering**” on **February 19, 2025**, from 11:30 a.m. to 1:00 p.m. at Homi Bhabha Seminar Hall - J-205. Delivered by **Prof. Greeshma Nair**, Assistant Professor, Chemical Engineering Department, SAL College of Engineering, Ahmedabad, the session introduced students to the fundamentals of COMSOL Multiphysics, a powerful simulation software widely used in research and industry. The lecture provided valuable insights into its Multiphysics modelling approach, which integrates various physical phenomena such as heat transfer, fluid dynamics, and chemical reactions. With **125** participants in attendance, the session enhanced students' understanding of computational modelling techniques and their practical applications in solving complex engineering problems. The event was coordinated by **Dr. Dolly Gandhi** and **Dr. Sonal Prajapati**, contributing to students' technical knowledge and industry readiness.



### An Expert Lecture on “Fire Fundamentals & Industrial Fire Prevention Measures”

The Chemical Engineering Department, under the banner of the IE(I) Students Chapter, successfully organized an expert lecture on “**Fire Fundamentals & Industrial Fire Prevention Measures**” on **February 21, 2025**, from 11:00 a.m. to 1:00 p.m. at J-205. Delivered by **Dr. Priya Saxena**, Associate Professor, Chemical Engineering Department, Parul Institute of Technology, Parul University, Vadodara, the session provided valuable insights into fire behaviour, ignition sources, and key industrial fire hazards. The lecture emphasized proactive safety measures, fire suppression techniques, and regulatory compliance to prevent accidents, along with best practices in industrial fire safety. With **58** participants in attendance, students and faculty actively engaged in discussions, enhancing their understanding of fire prevention strategies. Coordinated by **Dr. Dolly Gandhi** and **Dr. Sonal Prajapati**, the event played a crucial role in raising awareness about industrial fire safety and preventive measures.





### A Workshop on “Introduction to Artificial Intelligence”

The Chemical Engineering Department, in collaboration with Gujarat Knowledge Society (GKS) and IBM Skills Build, successfully organized a workshop titled “**Introduction to Artificial Intelligence**” on **January 28, 2025**, from 11:00 a.m. to 2:00 p.m. at J-205. The workshop aimed to equip students with fundamental knowledge of Artificial Intelligence through an interactive learning experience led by expert trainers from IBM Skills Build. A total of **75** (from B.E. 4<sup>th</sup> Sem) participants benefited from this session, gaining free access to the IBM Skills Build platform, exclusive learning resources, and a certificate of completion from IBM, enhancing their professional profiles. The event, coordinated by **Prof. Jay Trivedi**, provided students with practical insights into AI, helping them build valuable credentials in the field.



### A Workshop on “Fundamentals of Artificial Intelligence”

The **Chemical Engineering Department**, in collaboration with **Gujarat Knowledge Society (GKS)** and **IBM Skills Build**, successfully organized a workshop titled “**Fundamentals of Artificial Intelligence**” on **February 4, 2025**, from **11:00 a.m. to 2:00 p.m.** at J-205. This engaging session aimed to provide students with fundamental knowledge of Artificial Intelligence, offering them valuable insights into the field. Led by experienced trainers from IBM Skills Build, the workshop provided **50 (from B.E. 2<sup>nd</sup> sem)** participants with exclusive learning resources, free access to the IBM Skills Build platform, and a certificate of completion from IBM, enhancing their resumes and professional profiles. Coordinated by **Prof. Jay Trivedi**, the event empowered students with practical AI knowledge, helping them develop essential skills and build strong credentials for their future careers.





### An expert lecture on “Preparation for Campus Placement”

The Chemical Engineering Department organized an expert lecture titled “**Preparation for Campus Placement**” on **February 11, 2025**, from 11:00 a.m. to 12:00 p.m. in an online mode. Delivered by **Dr. Parag Saxena**, Program Coordinator, School of Technology (GSFC), Vadodara, the session aimed to equip students with essential skills and knowledge to successfully secure job opportunities. The lecture focused on bridging the gap between academic learning and industry expectations, enhancing students’ readiness for placements and ensuring a smooth transition into the professional world. A total of **97** participants attended the session, gaining valuable insights into effective placement strategies. The event was coordinated by **Dr. Dolly Gandhi** and **Dr. Sonal Prajapati**, contributing to the department’s ongoing efforts in career development and student success.



### A one-day workshop on “Carbon Capture & Clean Energy: Shaping the Future”

The Institution of Engineers (India) IE(I) Student’s Chapter at VGEC, in association with the Centre of Excellence in **Carbon Capture, Pandit Deendayal Energy University (PDEU)**, successfully conducted a one-day workshop titled “**Carbon Capture & Clean Energy: Shaping the Future**” on **19<sup>th</sup> March 2025**. The event took place from 9:30 a.m. to 5:00 p.m. at the Centre of Excellence, PDEU, Gandhinagar.

This immersive workshop provided participating students with hands-on exposure to advanced CO<sub>2</sub> capture technologies, including absorption-regeneration systems and rotating packed bed-based pilot plants. These state-of-the-art techniques are vital in addressing industrial carbon emissions and supporting global climate change mitigation efforts.

A total of **26** students took part in the workshop, gaining valuable insights and practical knowledge to enhance their technical competencies. The event was efficiently coordinated by **Dr. D. R. Gandhi** and **Dr. S. B. Prajapati**.





### A workshop titled “Infrared Spectroscopy”

The Indian Institute of Chemical Engineers (IIChE) **Student Chapter** of the Chemical Engineering Department, VGEC, successfully organized a workshop on “**Infrared Spectroscopy**” on **March 24, 2025, from 3:15 PM to 5:30 PM** at VGEC, Chandkheda. Students from B.E. Chemical Engineering Semester 4 and Semester 6 actively participated in the session, which aimed to familiarize them with advanced analytical instruments and enhance their understanding of analytical chemistry. A hands-on demonstration and training on the FTIR (Fourier Transform Infrared) Spectrophotometer was conducted, providing students with valuable practical exposure to this sophisticated technique. A total of **56 students** actively participated in the session. The expert for the session was **Dr. K. R. Gurjar, Assistant Professor** from the Chemistry Department, VGEC Chandkheda, and the event was effectively coordinated by **Dr. U. P. Christian**.



*“Excellence is not an act, but a habit.” — Aristotle*



### An expert lecture on “Sustainable Industrial Practices: Advancing Cleaner Production and Clean Technology”

An expert lecture on “**Sustainable Industrial Practices: Advancing Cleaner Production and Clean Technology**” was organized on **27<sup>th</sup> March 2025**, by the Chemical Engineering Department under the banner of the **IE(I) Student Chapter**, in collaboration with the Gujarat Cleaner Production Centre (GCPC), established by GIDC with technical support from UNIDO. The session aimed to raise awareness about pollution prevention strategies, eco-friendly technologies, and best available techniques for enhancing resource efficiency. Students gained valuable insights into green manufacturing processes, energy conservation, waste minimization, and the role of clean technologies in reducing industrial environmental footprints.



The lecture highlighted the importance of sustainable practices in modern industries, focusing on concepts such as circular economy models, renewable energy adoption, and life cycle assessment. This knowledge

is essential for equipping future engineers with the skills to drive sustainability and innovation in their careers. A total of **120 students** actively participated in the session, which was effectively coordinated by **Dr. D. R. Gandhi and Dr. S. B. Prajapati**.



#### **An expert lecture on “ChemSafe 360°: Best Practices for Lab & Industrial Safety”**

An expert lecture on “**ChemSafe 360°: Best Practices for Lab & Industrial Safety**” was organized by the Chemical Engineering Department at VGEC, Chandkheda, delivered by **Dr. K. R. Gurjar, Assistant Professor, Chemistry** on **07 April, 2025**. The session focused on the critical importance of safety in chemical engineering, bridging the gap between theoretical knowledge and real-world safety protocols. The lecture provided students with practical insights into key safety concepts such as risk assessment, proper use of personal protective equipment (PPE), emergency response procedures, safe chemical handling, and compliance with industrial safety standards including OSHA, HAZOP, and MSDS.



This knowledge is vital in preparing students for safe practices in both laboratory and industrial settings.

A highlight of the session was the hands-on experience with fire extinguishers, allowing students to practice real-time action during fire emergencies. Such exposure nurtures a safety-conscious mindset, preparing future engineers to prevent incidents and ensure a secure working environment. Total of **90 Students** were participated and coordinated by **Dr. D. R. Gandhi, Dr. Sunil Patel and Dr. Sonal B. Prajapati**.



#### **An Industrial Visit at “Harsh Organo Chem Pvt. Ltd.”**

The Chemical Engineering Department organized an Industrial Visit for B.E. 4th semester students to Harsh Organo Chem Pvt. Ltd., Vatva, Ahmedabad, on February 11, 2025. This visit aimed to bridge the gap between theoretical knowledge and practical industry applications, providing students with firsthand exposure to chemical manufacturing processes. Under the guidance of Mr. Dahyabhai Prajapati, Manager, students toured the production facility, gaining insights into raw material handling, chemical synthesis, quality assurance, and packaging. Interactive sessions with engineers and technicians allowed students to understand real-world challenges and advancements in chemical production. The visit, attended by **60 students**,

proved to be an enriching experience, enhancing their industrial awareness and technical knowledge. Coordinated by **Dr. D. R. Gandhi** and **Prof. Z. Z. Painter**, this initiative reinforced the importance of industry-academia collaboration in shaping future chemical engineers.



### **An Industrial Visit at “Institute of Reservoirs Studies (IRS) of ONGC, Ahmedabad**

An industrial visit to the Institute of “**Reservoir Studies (IRS) of ONGC, Ahmedabad**”, was organized for B.E. Chemical Engineering 6<sup>th</sup> semester students on **26<sup>th</sup> March 2025** under the banner of the **IE(I) Student Chapter**. The visit provided students with valuable exposure to real-world industry operations, deepening their understanding of reservoir studies, petroleum exploration, and production techniques. Through interactions with ONGC professionals, students gained insights into advanced technologies, current industry challenges, and career opportunities in the oil and gas sector. They explored key areas such as reservoir modelling, enhanced oil recovery methods, and data-driven analysis, which enriched their technical knowledge. Hands-on demonstrations and exposure to live reservoir projects helped bridge the gap between academic learning and industrial practices. This visit significantly contributed to enhancing students’ technical competencies and preparing them for future roles in the energy sector. A total of **28** students participated in the visit, which was effectively coordinated by **Dr. D. R. Gandhi** and **Prof. R. R. Merchant**.



### **An Industrial Visit to “Gujarat Environment Management Institute (GEMI)”**

An industrial visit to the “**Gujarat Environment Management Institute (GEMI)**”, located at GIDC Campus, Gandhinagar, was organized on 1st May 2025 for B.E. Chemical Engineering 6<sup>th</sup> semester students. The visit aimed to provide in-depth exposure to the practical applications of biotechnology in environmental management. GEMI, an esteemed institute under the Government of Gujarat, is known for its work in environmental research, education, and policy implementation. During the visit, students explored advanced laboratory setups and gained insights into real-time environmental monitoring, pollution control methods, and sustainable biotechnological solutions. Particular attention was given to applications such as wastewater treatment, water purification, and soil remediation, where biotechnology plays a vital role. This experiential learning opportunity enhanced students' understanding of eco-friendly technologies and their importance in addressing environmental challenges. A total of 13 students participated in the

visit, which was effectively coordinated by **Prof. Z. Z. Painter**.



### A Business Model Canvas Workshop

The Chemical Engineering Department of VGEC, as part of the **Institute Innovation Cell (IIC) activities**, organized “**A Business Model Canvas Workshop**” on **02 May 2025**, coordinated by **Dr. U. P. Christian**. The workshop introduced students to strategic business development through nine key components including customer segments, value propositions, revenue streams, and cost structure. The interactive session promoted hands-on learning and collaborative discussions, equipping participants with practical entrepreneurial tools to visualize, design, and refine startup concepts for enhanced decision-making. A total of **35 students** from B.E. 6<sup>th</sup> Semester participated.



## STUDENT START UP POLICY

### Dr. Femina J Patel

- Mentoring SSIP PoCs “Development of Visible Light Responsive Photo catalyst for Dye degradation”
- Fund Sanctioned: Rs. 2,00,000

### Dr. Milap G Nayak

- Mentoring SSIP PoCs “Designing and Fabrication of Microwave Probe for Rapid Synthesis of Organic Chemicals”
- Fund Sanctioned: Rs. 1,40,000
- Mentoring SSIP PoCs “Waste Plastic to Valuable Product by Pyrolysis Process”
- Fund Sanctioned: Rs. 90,000

### Dr. Milap G Nayak & Dr. K. R. Gurjar

- Mentoring SSIP PoCs “Microwave assisted Transesterification of high FFA oil using Heteropoly acid”
- Fund Sanctioned: Rs. 1,70,000

### Prof. Yogesh J Morabiya

- Mentoring SSIP PoCs “Isolation of Myristica fragrans essential oil by green techniques: Microwave assisted extraction and Ultrasound assisted extraction”
- Fund Sanctioned: Rs. 1,74,600

### Dr. Sunil. R. Patel

- Mentoring SSIP PoCs “Waste Water Generation and Management in Chemical Industries by Electro- coagulation”
- Fund Sanctioned: Rs. 1,86,000

## Dr. Sonal. B. Prajapati

- Mentoring SSIP PoCs “Vchem Atmospheric Water Generator”
  - Fund Sanctioned: Rs. 38,700
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## Dr. Beena K Sheth

- Mentoring SSIP PoCs “Evaporative Air Cooler”
- Fund Sanctioned: Rs. 25,000

## RESEARCH AND INNOVATION

### Dr. Dolly Gandhi

Has published a research paper titled "**Osmotic Dilution: A Sustainable Option for Dewatering of Wastewater and Application in Irrigation**" in the Indian Chemical Engineer, a journal published by Taylor and Francis. The paper, published on **February 10, 2025**.

This research contributes to advancing eco-friendly water treatment methods, addressing critical environmental concerns. The paper is accessible through the DOI: 10.1080/00194506.2025.2459118.

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### Prof. Jay B Trivedi

Has published a research paper titled "**Selective Double Dehydration of Sorbitol to Isosorbide Using Sulfated SnO<sub>2</sub> and Sulfated SnO<sub>2</sub>/H $\beta$  as Heterogeneous Catalyst**", in the esteemed journal Research on Chemical Intermediates, published by Springer Nature. The paper explores an innovative approach to catalytic dehydration for sustainable chemical transformations. The paper was officially published on **February 22, 2025**, in a volume 51, pages 1935–1949.

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## Dr. Sonal Prajapati

Has published a research article titled "**Chemical and Physical Insights into Castor Shell Pyrolysis: Composition, Blending, and Utilization Perspectives**" in the internationally reputed journal Renewable Energy (Elsevier), Volume 252, Article No. 123387, on **9<sup>th</sup> May 2025**.

This work contributes significantly to the field of sustainable energy by exploring advanced utilization methods for castor shell biomass.

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### Dr. Hiral Pandya

Was awarded First Prize for her paper presentation titled "**Production of Biodiesel from High FFA Oil Using a Modified Stirred Tank Reactor via Biocatalyzed Routes**" at the International STEEM Conference 2025. The conference was hosted by the Department of Chemical Engineering, SVNIT, Surat, on **7<sup>th</sup> June 2025**, and gathered leading researchers from across the country to discuss innovations in science, technology, engineering, environment, and management.

She also presented her research paper "**Study of Different Concentration of Cobalt (Co) Doped Zinc Oxide (ZnO) Nanostructure: Application in Biodiesel Production**" at the **27<sup>th</sup> ISTE Gujarat State Annual Faculty Convention 2024 on 3<sup>rd</sup> May 2025**, organized by ISTE Gujarat Section and SSN Patel Institute of Technology, Bardoli. The paper was well received and published in the event proceedings (ISBN: 978-81-987520-2-4).

*"It's not what we do once in a while that shapes our lives, but what we do consistently." — Tony Robbins*

## FACULTY PARTICIPATION

### Dr. F. J. Patel

Has participated in the **Nurturing Future Leadership Program (NFLP)** at IIT Gandhinagar from **January 6 to January 10, 2025**. This five-day residential program, organized under the Malaviya Mission Teacher Training Programme (MMTTP) and sponsored by the Ministry of Education, Government of India, aimed to equip faculty members with essential leadership skills, pedagogical strategies, and institutional growth frameworks. Designed in alignment with the National Education Policy (NEP) 2020, the program focused on leadership development for faculty across Higher Education Institutions (HEIs). Dr. Patel's participation in this prestigious program reflects her commitment to academic excellence, continuous learning, and contributing to the advancement of education and leadership in higher institutions.

### Dr. Dolly Gandhi

Attended the **Nurturing Future Leadership Program**, a Faculty Development Program (FDP) organized by the Indian Institute of Management (IIM), Jammu, from **January 27, 2025, to January 31, 2025**. This FDP was conducted under the Capacity Building in Teaching Excellence (CTE) initiative as part of the Malaviya Mission Teacher Training Programme (MMTTP) of the University Grants Commission (UGC). The program aimed to enhance leadership skills, pedagogical strategies, and academic management capabilities among faculty members, equipping them with the necessary competencies to foster future leaders in academia and beyond.

*"Progress is power, no matter how small."*

### Dr. F. J. Patel

### Prof. Y. J. Morabiya

Actively participated in the **"Awareness Workshop on Outcome Based Education and Accreditation (OBE&A)"**, jointly organized by the National Board of Accreditation and Gujarat Technological University on **29<sup>th</sup> March 2025** at J.B. Auditorium, Ahmedabad Management Association, Vastrapur, Ahmedabad.

Their involvement in this workshop highlights the department's continuous efforts toward improving the quality of education and staying updated with evolving accreditation standards.

### Prof. Y. J. Morabiya

Attended a two-day training workshop on **"Procurement through GeM and Purchase Procedures and Policy"** organized by the Commissionerate of Technical Education, Gandhinagar, on **7<sup>th</sup> and 8<sup>th</sup> April 2025** at iHub, Prajna Puram, KCG Campus, Navrangpura, Ahmedabad.

The training focused on effective procurement practices, government e-marketplace procedures, and institutional purchase policies. This initiative reflects the department's commitment to strengthening administrative efficiency and compliance with government procurement norms.

### Dr. Sunil Patel

Has successfully completed a two-week Industrial Training at **Macro Polymers Pvt. Ltd.** from **June 2 to June 16, 2025**. The training provided hands-on exposure to one of India's leading resin manufacturers, enhancing his practical knowledge in synthetic resins and allied industries.

## Dr. Sonal Prajapati

Has successfully completed a two-week Industrial Training at **Meghmani Organics Limited, Vatva GIDC, Ahmedabad**, from **June 16 to 30, 2025**. The training provided hands-on exposure to process design, production techniques, quality control, safety protocols, and effluent treatment at one of India's leading pigment manufacturing plants.

### PROFESSIONAL DEVELOPMENT: INSIGHTS INTO STUDENT INDUSTRIAL TRAINING/INTERNSHIP

| Enrolment    | Student Name      | Industry Name                               |
|--------------|-------------------|---------------------------------------------|
| 200170105005 | Jha Aniket        | Silox India Pvt. Ltd.,<br>Dahej, Gujarat    |
| 210170105001 | Gorfad Shyam      | Aarti Industries Ltd.,<br>Jhagadia, Bharuch |
| 210170105002 | Gorfad Kailash    | GNFC Ltd., Bharuch                          |
| 210170105003 | Dholariya Darshan | Zydus Lifesciences Ltd.,<br>Ahmedabad       |
| 210170105004 | Kava Avadh        | GACL, Vadodara                              |
| 210170105005 | Koyani Jay        | Meghmani Organics Ltd.<br>Ahmedabad         |
| 210170105007 | Asodariya Akshay  | Meghmani Organics Ltd.<br>Ahmedabad         |
| 210170105008 | Bhagat Utkarsh    | GNFC Ltd., Bharuch                          |
| 210170105009 | Vasan Dinesh      | Meghmani Organics Ltd.<br>Ahmedabad         |
| 210170105010 | Patel Jay         | Apara Analytical Pvt.<br>Ltd., Ahmedabad    |
| 210170105011 | Purohit Manan     | Jet vacuum system Pvt.<br>Ltd., Vadodara    |
| 210170105012 | Kava Sahil        | Meghmani Organics Ltd.<br>Ahmedabad         |
| 210170105013 | Raval Aumshree    | Meghmani Organics Ltd.<br>Ahmedabad         |
| 210170105014 | Arya Rohan        | ONGC, Ahmedabad                             |
| 210170105015 | Vankar Rachita    | IOCL, Vadodara                              |
| 210170105017 | Rawal Rishabh     | Heubach Colour Pvt.<br>Ltd., Ahmedabad      |
| 210170105018 | Dev Padiya        | GACL, Vadodara                              |
| 210170105019 | Barot Mehul       | GNFC Ltd., Bharuch                          |
| 210170105020 | Rakholiya Smit    | Superform Chemistries<br>Ltd., Dahej        |
| 210170105021 | Prajapati Puja    | Meghmani Organics Ltd.<br>Ahmedabad         |

|              |                        |                                               |
|--------------|------------------------|-----------------------------------------------|
| 210170105022 | Patel Meetkumar        | UPL, Ankleshwar                               |
| 210170105023 | Makvana Romit          | Atul Ltd., Atul, Valsad                       |
| 210170105024 | Savakiya Nihar         | Hema pharmaceuticals<br>Pvt. Ltd., Ankleshwar |
| 210170105025 | Chauhan Sevak          | GNFC Ltd., Bharuch                            |
| 210170105026 | Surani Raj             | Meghmani Organics Ltd.<br>Ahmedabad           |
| 210170105027 | Buhecha Akshay         | Lupin pharmaceutical<br>Ltd., Ankleshwar      |
| 210170105028 | Raval Janmenjay        | GNFC Ltd., Bharuch                            |
| 210170105029 | Ranpariya Jeet         | Siddharth Interchem Pvt.<br>Ltd., Ankleshwar  |
| 210170105030 | Patel Ayush            | Meghmani Organics Ltd.<br>Ahmedabad           |
| 210170105031 | Patel Utsavkumar       | Meghmani Organics Ltd.<br>Ahmedabad           |
| 210170105032 | Dhoriyani Raj          | Siddharth Interchem Pvt.<br>Ltd., Ankleshwar  |
| 210170105033 | Gohil Chetan           | Medimight Life science,<br>Ankleshwar         |
| 210170105034 | Raval Nidhi            | Heubach Colour Pvt.<br>Ltd., Ahmedabad        |
| 210170105035 | Pitroda Rytham         | Shital Chemicals,<br>Ahmedabad                |
| 210170105036 | Padhiyar Devangi       | Meghmani Organics Ltd.<br>Ahmedabad           |
| 210170105037 | Vyas Priya             | Jet vacuum system Pvt.<br>Ltd., Vadodara      |
| 210170105038 | Patel Tirth            | Meghmani Organics Ltd.<br>Ahmedabad           |
| 210170105039 | Patel Harsh            | UPL, Ankleshwar                               |
| 210170105040 | Dangi Atulshakti       | Apara Analytical Pvt.<br>Ltd., Ahmedabad      |
| 210170105041 | Patel Dhruv            | Atul Ltd., Atul, Valsad                       |
| 210170105042 | Miguel Nalsera Letícia | Macro polymers Pvt.<br>Ltd., Ahmedabad        |
| 210170105043 | Bhadani Nevilkumar     | Meghmani Organics Ltd.<br>Ahmedabad           |
| 210170105044 | Vaja Mahesh            | GHCL, Sutrapada                               |
| 210170105045 | Chariya Himanshu       | GNFC Ltd., Bharuch                            |
| 210170105046 | Gurjar Parth           | Meghmani Organics Ltd.<br>Ahmedabad           |
| 210170105047 | Munjani Krish          | GNFC Ltd., Bharuch                            |
| 210170105048 | Chauhan Arjun          | Meghmani Organics Ltd.<br>Ahmedabad           |
| 210170105049 | Bhimani Parthiv        | Lupin pharmaceutical<br>Ltd., Ankleshwar      |
| 210170105050 | Jethava Arjun          | Lupin pharmaceutical<br>Ltd., Ankleshwar      |
| 210170105051 | Mishra Lav             | Lupin pharmaceutical<br>Ltd., Ankleshwar      |
| 210170105052 | Thakar Karan           | Meghmani Organics Ltd.<br>Ahmedabad           |
| 210170105053 | Patel Prince           | GNFC Ltd., Bharuch                            |
| 210170105054 | Rathwa Satish          | Reliance Industries Ltd.,<br>(VMD)            |
| 210170105056 | Jariya Saurang         | Meghmani Organics Ltd.<br>Ahmedabad           |
| 210170105057 | Parmar Tarang          | Aarti Industries Ltd.,<br>Bharuch             |

|              |                     |                                                         |
|--------------|---------------------|---------------------------------------------------------|
| 210170105058 | Patel Tirth         | BASF, Ankleshwar                                        |
| 210170105059 | Rana Sauryajeetsinh | GACL, Vadodara                                          |
| 210170105060 | Gupta Shubham       | ONGC, Ahmedabad                                         |
| 210170105061 | Kher Mihir          | Meghmani Organics Ltd. Ahmedabad                        |
| 210170105062 | Vadhiya Rajdip      | Meghmani Organics Ltd. Ahmedabad                        |
| 210170105064 | Sankhla Anku        | Superform Chemistries Ltd., Ankleshwar                  |
| 210170105066 | Nannera Preet       | Medimight Life science, Ankleshwar                      |
| 210170105068 | Karangiya Rajesh    | Aarti Industries Ltd., Bharuch                          |
| 210170105069 | Rathod Kamal        | Matangi Industries LLP, Vatva                           |
| 210170105070 | Manav Makandiya     | Expede-Tech Research & Development Pvt. Ltd., Ahmedabad |
| 210170105071 | Aal Arjan           | Gufic Biosciences Ltd., Navsari                         |
| 210170105072 | Kalsariya Ashvin    | Gufic Biosciences Ltd., Navsari                         |
| 220173105001 | Pandey Abhishek     | Amoli Organics Pvt. Ltd., Vadodara                      |
| 220173105002 | Devmurari Bhargav   | Nyara Energy Pvt. Ltd., Vadinar                         |
| 220173105003 | Goswami Kishan      | UPL, Ankleshwar                                         |
| 220173105004 | Kalavadiya Jaivik   | Lupin Pharmaceutical Ltd., Ankleshwar                   |
| 220173105006 | More Ritesh         | Meghmani Organics Ltd. Ahmedabad                        |
| 220173105007 | Nathvani Karan      | Sumitomo Chemicals India Pvt. Ltd., Ankleshwar          |
| 220173105008 | Patel Kishankumar   | Ascent Finechem Pvt. Ltd., Ahmedabad                    |
| 220173105009 | Patel Shrey         | Meghmani Organics Ltd. Ahmedabad                        |
| 220173105010 | Pathar Sagar        | Meghmani Organics Ltd. Ahmedabad                        |
| 220173105011 | Rathod Bhagyashree  | Nyara Energy Pvt. Ltd., Vadinar                         |
| 220173105012 | Sadafale Abhishek   | Meghmani Organics Ltd. Ahmedabad                        |
| 220173105013 | Samanta Rudraprasa  | Fives Energy Combustion Pvt. Ltd., Vadodara             |
| 220173105014 | Shukla Nimit        | Meghmani Organics Ltd. Ahmedabad                        |
| 220173105015 | Sinha Suraj         | Amoli Organics Pvt. Ltd., Vadodara                      |
| 220173105016 | Vankar Harshid      | Meghmani Organics Ltd. Ahmedabad                        |

*“Great things are not done by impulse, but by a series of small things brought together.”*  
*— Vincent Van Gogh*

## STUDENT PARTICIPATION

### Abdulmalik Umar (230170105001)

Had participated in Seminar on Topic “**Natural Deep Eutectic Solvent Properties and Applications**” organized by School of Engineering and Applied Science, Ahmedabad University on **03<sup>rd</sup> March 2025**.

### Bhuva Dhruv (230170105004)

Had participated in the workshop “**Getting Started with Artificial Intelligence**” organized by IBM Skills Build at VGEC Campus on **28<sup>th</sup> January 2025**.

### Divyang Chaudhari (230170105014)

Had participated in **CHEM-O-SPORT 2025** organized by Chemical Engineering’s Association at VGEC on **21<sup>st</sup> February 2025**.

Had successfully participated in the workshop “**Getting started with Artificial Intelligence**” organized by IBM Skills Build at VGEC Campus on **28<sup>th</sup> January 2025**.

### Jashwanth Pallar (240173105014)

Had participated in **CHEM-O-SPORT 2025** event organized by Chemical Engineering Department, VGEC at Volleyball ground on **21<sup>st</sup> February 2025**.

Had participated in a workshop on “**INFRARED (IR) SPECTROSCOPY**” organized by IChE, VGEC at Homi Bhabha seminar hall on **24<sup>th</sup> March 2025**.

Had participated in “**Effective Sales and Market Strategy**”, organized Under the aegis of IIC and SSIP cell at VGEC on **3<sup>rd</sup> February 2025**.

### **Dobariya Smit (230170105015)**

Had participated in **CHEM-O-SPORT 2025** event organized by Chemical Engineering Department, VGEC at Volleyball ground on **21<sup>st</sup> February 2025**.

Had participated in “**Getting started with Artificial Intelligence**” organized by IBM Skills Build at VGEC Campus on **28<sup>th</sup> January 2025**.

Had participated in Master Class by **Prof. Shuchen Thakore** on “**PROCESS EQUIPMENT DESIGN | PUMPS | VALVES | BLOWERS | COMPRESSORS**” organized by IICChE, VGEC at Homi Bhabha seminar hall, VGEC on **15<sup>th</sup> February 2025**.

Had participated in Kabaddi Vishwa cup organized by Gymkhana VGEC at Basketball ground GTU on **12<sup>th</sup> March 2025**.

Had participated in Expert Lecture by **Prof. Anirudh Pandit** on “**SUSTANABILITY**” organized by IICChE, LDCE at Gujarati sahitya Parishad on **6<sup>th</sup> February 2025**.

Had participated in a workshop on “**INFRARED (IR) SPECTROSCOPY**” organized by IICChE, VGEC at Homi Bhabha seminar hall on **24<sup>th</sup> March 2025**.

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### **Gajera Het (240173105004)**

Had participated in Oral presentation at Chem-O-Clave 2025, organized by Pandit Deendayal Energy University (PDEU) on **21<sup>st</sup> – 22<sup>nd</sup> February 2025**.

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### **Harpal Sinh Jadeja (230170105021)**

Had participated in Master Class by **Prof. Shuchen Thakore** on “**PROCESS EQUIPMENT DESIGN | PUMPS | VALVES | BLOWERS | COMPRESSORS**” organized by IICChE, VGEC at Homi Bhabha seminar hall, VGEC on **15<sup>th</sup> February 2025**.

Had participated in a workshop on “**INFRARED (IR) SPECTROSCOPY**” organized by IICChE, VGEC at Homi Bhabha seminar hall on **24<sup>th</sup> March 2025**.

Had participated in **CHEM-O-SPORT 2025** event organized by Chemical Engineering Department, VGEC at Volleyball ground on **21<sup>st</sup> February 2025**.

Had participated in “**Getting started with Artificial Intelligence**” organized by IBM Skills Build at VGEC Campus on **28<sup>th</sup> January 2025**.

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### **Manan Shah (220170105064)**

### **V.M. Achala Manikandan (220170105076)**

Had participated in a workshop on “**INFRARED (IR) SPECTROSCOPY**” organized by IICChE, VGEC at Homi Bhabha seminar hall on **24<sup>th</sup> March 2025**.

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### **Jani Shreyansh (230170105023)**

Had completed online course on “Excel VBA (Visual Basic for Applications) for beginner” organized by Great Learning on 20/03/2025.

Had participated in Oral presentation at **Chem-O-Clave 2025**, organized by Pandit Deendayal Energy University (PDEU) on **21<sup>st</sup> – 22<sup>nd</sup> February 2025**.

Had participated in a workshop on “**INFRARED (IR) SPECTROSCOPY**” organized by IICChE, VGEC at Homi Bhabha seminar hall on **24<sup>th</sup> March 2025**.

Had participated in “**Getting started with Artificial Intelligence**” organized by IBM Skills Build at VGEC Campus on **28<sup>th</sup> January 2025**.

Had participated in hands on workshop on “**Heat Exchanger Design Using Aspen**” organized by Ahmedabad university on **28<sup>th</sup> March 2025**.

Had successfully completed quiz on “**Energy Efficiency of Sustainable India**” organized by MyGov (Online) on **28<sup>th</sup> February 2025**.

Had successfully participated in “**Vigyanotsav-National Science Day**” quiz 2025 organized by MyGov (Online) on **28<sup>th</sup> February 2025**.

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**Jeet Dhameliya (230170105011)**

Had participated and secured 1<sup>st</sup> rank winner position in **Impulso-25** organized by Gandhinagar University on **10<sup>th</sup> February 2025**.

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**Jems Vaishnav (230170105074)**

Had participated in **Cricket Vishwa Cup** organized by Gymkhana VGEC at GTU Cricket ground on **8<sup>th</sup> March 2025**.

Had successfully participated in **CHEM-O-SPORT 2025** event organized by Chemical Engineering Department, VGEC at Volleyball ground on **21<sup>st</sup> February 2025**.

Had participated in Master Class by **Prof. Shuchen Thakore** on “**PROCESS EQUIPMENT DESIGN | PUMPS | VALVES | BLOWERS | COMPRESSORS**” organized by IChE, VGEC at Homi Bhabha seminar hall, VGEC on **15<sup>th</sup> February 2025**.

Had participated in Expert Lecture by **Prof. Anirudh Pandit** on “**SUSTANABILITY**” organized by IChE - LDCE at Gujarati Sahitya Parishad on **6<sup>th</sup> February 2025**.

Had participated in “**Getting started with Artificial Intelligence**” organized by IBM Skills Build at VGEC Campus on **28<sup>th</sup> January 2025**.

Had successfully participated in “**INFRARED (IR) SPECTROSCOPY**” organized by IChE, VGEC at Homi Bhabha seminar hall on **24<sup>th</sup> March 2025**.

Had participated in hands on workshop on “**Heat Exchanger Design Using Aspen**” organized by Ahmedabad university on **28<sup>th</sup> March 2025**.

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**Maru Uttam (230170105035)**

Had participated in hands on workshop on “**Heat Exchanger Design Using Aspen**” organized by Ahmedabad university on **28<sup>th</sup> March 2025**.

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**Marathe Priyanshu (230170105062)**

**Maru Bhargav (240173105009)**

**Krupansh Patel (240173105008)**

Had successfully participated in **Chem-O-Clave** Poster presentation organized by Pandit Deendayal Upadhyay University at PDEU on **21<sup>st</sup> February 2025**.

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**Om Dubey (230170105017)**

**Tokhi Satbir Singh (230170105070)**

**Uttam Gajera (230170105018)**

**Lukhi Het (230170105032)**

**Janviben Doshi (230170105016)**

Had successfully participated in “**Getting started with Artificial Intelligence**” organized by IBM Skills Build at VGEC Campus on **28<sup>th</sup> January 2025**.

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**Patel Swet (230170105058)**

Had participated in Cricket, **Vishwa Cup 2025** organized by Gymkhana at Cricket ground VGEC on **8<sup>th</sup> March 2025**.

Had participated in Expert Lecture by **Prof. Anirudh Pandit** on “**SUSTANABILITY**” organized by

IICHe - LDCE at Gujarati Sahitya Parishad on 6<sup>th</sup> February 2025.

Had participated in “**Getting started with Artificial Intelligence**” organized by IBM Skills Build at VGEC Campus on 28<sup>th</sup> January 2025.

Had successfully participated in “**INFRARED (IR) SPECTROSCOPY**” organized by IICHe, VGEC at Homi Bhabha seminar hall on 24<sup>th</sup> March 2025.

**Patel Dhruv (230170105048)**

Had participated in **Getting started with Artificial Intelligence**” organized by IBM Skills Build at VGEC Campus on 28<sup>th</sup> January 2025.

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**Rajput Bhola Sinh (230170105064)**

Had participated in **MASTERCLASS ON PROCESS EQUIPMENT DESIGN | PUMPS | VALVES | BLOWERS | COMPRESSORS** organized by IICHe student chapter at VGEC on 15<sup>th</sup> February 2025.

Had participated in “**Getting Started with Artificial Intelligence**” organized by IBM Skills Build at VGEC Campus on 28<sup>th</sup> January 2025.

Had successfully participated in “**Heat Exchanger Design Using Aspen**” organized by Ahmedabad university on 28<sup>th</sup> March 2025.

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**Solanki Parth (230170105069)**

Had successfully participated in “**Getting started with Artificial Intelligence**” organized by IBM Skills Build at VGEC Campus on 28<sup>th</sup> January 2025.

Had participated in “**INFRARED (IR) SPECTROSCOPY**” organized by IICHe, VGEC at Homi Bhabha seminar hall on 24<sup>th</sup> March 2025.

**Vedansh Vaidya (230170105073)**

Had successfully participated “**Heat Exchanger Design Using Aspen**” organized by Ahmedabad university on 28<sup>th</sup> March 2025.

Had participated in an event “**Enterprise Management and Sustainability**” organized by IICHe Student Chapter LDCE on 6<sup>th</sup> February 2025.

Had participated in “**INFRARED (IR) SPECTROSCOPY**” organized by IICHe, VGEC at Homi Bhabha seminar hall on 24<sup>th</sup> March 2025.

Had Attended lecture on “**Effective Sales and Marketing Strategies**” organized by IIC and SSIP as Founder Story Week on 3<sup>rd</sup> February 2025.

**Manan Shah (220170105064)**

**V.M. Achala Manikandan (220170105076)**

**Sikha Sinha (220170105066)**

Had participated as attendees in a one-day hands-on workshop on “**Experimental Techniques and Software Analysis**” held at PDEU on 22<sup>nd</sup> March, 2025.



**Nilesh Joshi (240173105012)**

Had successfully participated in **CHEMFUGE - The quiz competition** at **Chem-O-Clave 2025**, organized by Chemical Engineering Department PDEU, Gandhinagar, 22<sup>nd</sup> February 2025.

*“Discipline is the bridge between goals and accomplishment.” — Jim Rohn*

## SPORTS CORNER



**Shlok Goswami (220170105017)**  
**Jeet Dhameliya (230170105011)**

Students from the Chemical Engineering Department were proud team members of the VGEC Kabaddi Team that clinched first place by winning the “**GU Cup**” at Gandhinagar University held on **14<sup>th</sup> June 2025**.



**Kho-Kho Champion team Chemical Engineering Department, Vishwa cup 2k25, Dated 13<sup>th</sup> March 2025.**

## CREATIVE CORNER



**Nizamuddin Idrishi (3<sup>rd</sup> Year Student)**

## EDITORIAL TEAM

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

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

### **Student Team**

Jenisha Hemnani (2<sup>nd</sup> Year)

Nimi Jha (2<sup>nd</sup> Year)

Vedansh Vaidya (2<sup>rd</sup> Year)

Jems Vaishnav (2<sup>nd</sup> Year)



The girls Volleyball team from the Chemical Engineering Department secured the Runner-up position in “**Vishwacup 2K25**,” held on **10<sup>th</sup> March 2025**, showcasing exceptional teamwork, dedication, and sporting spirit.