

Vishwacup – Where Passion Meets Glory

Every year, as spring breathes new life into the campus, **VGEC** transforms into a vibrant arena where passion, strength, and spirit collide — welcome to **Vishwacup**, our grand celebration of sportsmanship and unity.

The **2025** edition of Vishwacup, held from **March 10 to March 13**, witnessed thrilling competition across a variety of sports, including **cricket, football, basketball, volleyball, badminton, kho-kho, chess, table tennis, kabaddi, athletics, carrom, and tug of war.**

Athletes pushed their limits, cheered on by a sea of voices united in excitement and pride. The air hummed with energy as students from all branches came together, not just as competitors but as a family bonded by the love of the game.

As the sun set on another thrilling edition, victories were celebrated, and defeats became lessons for the future. **Vishwacup** is more than just a tournament — it's a testament to the unyielding spirit of **VGEC**, where every player becomes a hero, and every moment becomes a memory etched in time.

Vishwacup — Where Passion Meets Glory!



VishwaCup Officially Inaugurated by Principal Dr. V. S. Purani



NSS VGEC celebrated Republic Day at Campus.

Republic Day Celebration – Honoring the Spirit of Unity and Freedom

The **Republic Day Celebration** at VGEC is a grand tribute to the values of **democracy, freedom, and unity** that define our nation. The event is marked by a deep sense of patriotism, where students and faculty come together to celebrate the strength and diversity of India.

Highlights from the Celebration:

Flag Hoisting Ceremony – The national flag proudly unfurled, symbolizing unity and pride. **Patriotic Performances** – Soul-stirring songs, dances, and skits reflecting India's rich cultural heritage.

Quiz Competitions – Inspiring thoughts on the significance of the Constitution and national integrity. **March Past and Parade** – Students displaying discipline and respect through synchronized marching.

Tribute to Heroes – Remembering the sacrifices of freedom fighters and national leaders.

At VGEC, Republic Day is not just a celebration — it's a reaffirmation of our commitment to the values that make India great.



Flag hoisting



**A Moment of
Pride
for VGEC**



Cadet Disha Panchal, proudly participated in the **Republic Day Camp (RDC)** and the **Prime Minister's Rally** after a tough selection and training process. Grateful for the support from my **principal, HOD, and professors** in making this possible!

Cadet Disha Panchal with Respected Principal, VGEC



Vrushti Patel (CE, 6th sem), **NSS volunteer** had the distinguished opportunity to march in the Republic Day Parade – **PM Rally 2025**. This remarkable achievement reflects dedication, discipline, and commitment to excellence fostered at VGEC.

Vrushti Patel participated in the State Republic day Camp at Vyara, Tapi.

Founders Stories Week



eCell coordinators with respected Principal

VGEC Chandkheda hosted "**Founders Stories Week**" under the **Entrepreneur Cell** and **IIC** to promote startups and innovation among students. Renowned speakers, including **Shri Balkrishna** (Tezi App), **Shri Aditya Dave** (Cibos Techno), **Shri Satya Mehta** (MealPe), and others shared their startup journeys and insights. Over **300 students** participated daily, gaining valuable entrepreneurial knowledge. Organized by **Dr. Femina Patel** and coordinated by **Prof. Amit Rathod** and **Prof. Rozina Surani** under the **IIC MoE, GoI** initiative.

Principal **Dr. V.S. Purani** stated, *"Our goal is to transform ideas into successful ventures by inspiring students with the latest technological advancements. We aim to go beyond technical knowledge and provide students with the skills and perspectives necessary for business excellence through such programs."*

"Founders Stories Week"



Students gaining valuable entrepreneur knowledge.

Shining Achievers – Celebrating Excellence and Success



Manjot Gandhi presenting prestigious rotating trophy to our respected Principal

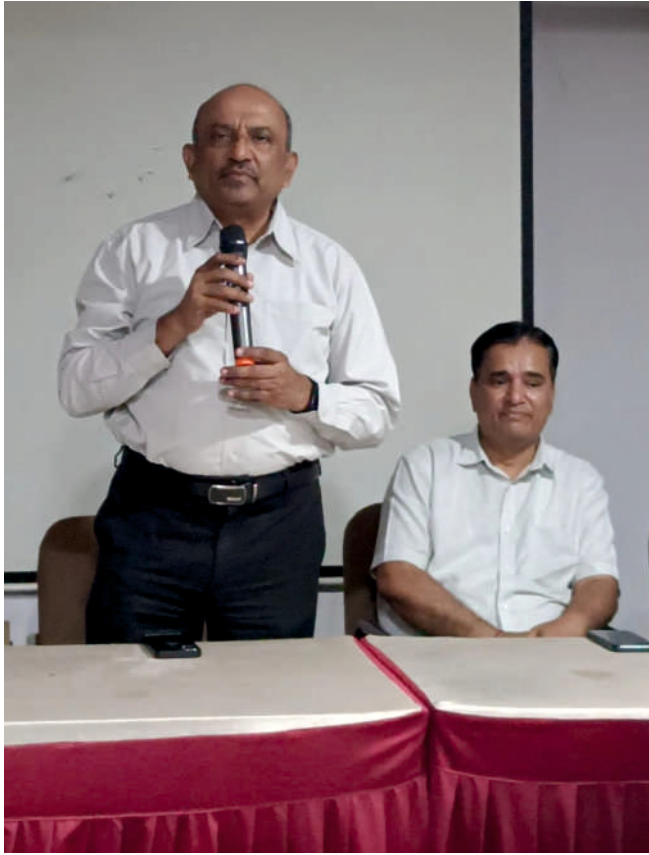
Manjot Gandhi (EC, 4th Sem): won 1st Prize at the Late Shri Kantilal Solanki Elocution Competition! Prizes: Rs. 5000 voucher, shields & a rotating trophy for VGEC!



VGEC kabaddi team won the trophy.

VGEC Kabaddi Team emerged victorious at Impulso-25, held at Gandhinagar University.

Shankhnaad 2025: Inspiring Speeches



Dr. V S Purani addressing IYF members

On Jan 30, 2025, the Ignited Youth Forum (IYF) at VGEC hosted "Shankhnaad" to announce its new core team. The event began with Shantipath, followed by a report on past activities and motivational speeches on Swami Vivekananda's teachings. 35 core members and 5 faculty coordinators were introduced during the Daitva (Responsibility) announcement. Principal Dr. V.S. Purani closed with an inspiring address, reinforcing leadership and service values.

Neonica Rai (4th Sem, EC) : Secured 2nd Prize at the Mahatma Gandhi Inter-Collegiate Elocution Competition (Feb 22) by H.L. Commerce College, Ahmedabad.

Pranjal Matri (4th Sem, ICT): Pranjal Mantri (Sem 4, ICT) For securing 1st Rank among 1000 participants and 40 Teams at Hackdotslash 8.0 organised by SVNIT, Surat.

Prapti Shah (CSE, Semester 2): Secured the 4th rank and receiving an Encouragement Prize with a Certificate at the Prof. A. R. Rao Foundation (Gujarat Ganit Mandal) Essay Competition 2024.

Sheth Bhavan Paresh, 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.

Het A Shah (8th Sem, IT) from Information Technology Department Secured 96.33 percentile in CAT-2024 for Indian Institutes of Management.

Zeel Prajapati ,Tirth Chauhan , Yatish Gandhi, Rishi Chauhan students of VII sem EC (Team Electron) Wins Prestigious I2I Award at GTU Ventures SANKUL AWARDS 2025 for ElectroShield: A Life-Saving Innovation at GTU Ventures SANKUL AWARDS 2025 under faculty guidance of Dr. Ghanshayam Shah and Prof. J.N.Diwan.

Nidhi Gevariya EC, Sem-8 Secured 1st rank in Yoga and 5th rank in Mallakhamb at zonal university games. Selected for All India University Games 2024-25: **Yoga: Dec 24–27, 2024, KIIT, Bhubaneswar Mallakhamb: Jan 5–8, 2025, LNCT University, Bhopal.**

Moses Jere (Chemical Engineering student) from ME/M.Tech, secured 5th Rank in abstract submission at Gujarat Cleaner Production Centre (GCPC) on 1st March 2025. Their research, under the mentorship of **Prof. Z.Z.Painter**, on Cleaner Production and Clean Technology under Interlinking of Industries, Academia, and Government has been recognized for the year 2024-25.

Adarsh Prajapati (Chemical Engineering student) from BE/B.Tech, for securing 3rd Rank in abstract submission at Gujarat Cleaner Production Centre (GCPC) on 1st March 2025. Their research, under the mentorship of **Prof. Milap G. Nayak**, on Cleaner Production and Clean Technology under Interlinking of Industries, Academia, and Government has been recognized for the year 2024-25.

Viksit Bharat: Through My Lens

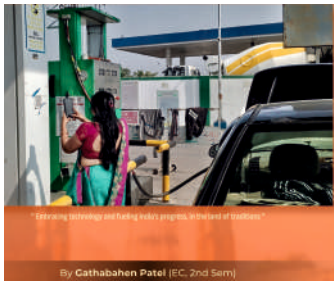
"Viksit Bharat: Through My Lens" is a platform where students at VGEC showcase their unique perspective on India's journey toward development and progress. Through the lens of a camera, students capture the essence of a thriving and evolving India — from technological advancements and cultural heritage to social change and innovation.

VGEC Photography Club co-ordinated a photography Competition “Viksit Bharat : Through My Lens" for VGEC students to share their photography depicting this dream. Top Five photographers were awarded with Certificate of Appreciation by Principal, VGEC during the Republic Day Celebration 2025 in the campus



Innovative Breakthroughs: Patent Applications from Electrical Engineering Department

The **Electrical Engineering Department** has successfully filed **8 patent** applications under the Student Startup and Innovation Policy for their groundbreaking research contributions. These patents represent significant advancements in Electrical Engineering, reinforcing the department’s dedication to pioneering research and technological progress. **Congratulations to the inventors on this remarkable achievement!**



Notable Contribution from Faculties:

Dr. S N Pandya (Electrical Engineering Department) has received an award of research grant of **Rs. 25 lakh** for Research Promotion under Technical Education-STEM.

Dr Vibha D Patel (Information Technology) delivered an Expert talk on "Reinforcement Learning and it Applications" at Nirma University on 21st January, 2025.

Dr. Shuchen B. Thakore (Chemical Engineering Department) has published a groundbreaking patent on **ethanol-water azeotrope dehydration using solid NaOH**. This innovative method improves ethanol purification, benefiting chemical and biofuel industries, published by the Indian Patent Office on January 31, 2025.

Dr Vaseemahmed G Qureshi (Science & Humanities Department)

- Delivered Expert Lecture on Career Opportunities After BA (English) at VCT Mahila Arts & Commerce College, Bharuch on 15th January 2025.
- Delivered Expert Lecture on Subject Verb Agreement at Gujarat Arts and

Commerce College (Evening), Ahmedabad on 2nd January 2025.

- Delivered two Expert Lectures on Unlocking English Proficiency and Making Vocab Learning Interesting in Chintan Shibir of Secondary & Higher Secondary School Teachers of English from Kadi District at Daran, Kadi on 14th December 2024.

Prof. M. V. Patel, Assistant Professor in the **Instrumentation and Control Department**, has successfully completed her **PhD** from Gujarat Technological University on 13th March 2025. Her research topic was "Decision Support System to Diagnose Lung Disease and Covid-19", conducted under the guidance of Dr. Mehul K. Shah, Associate Professor and Head of the Instrumentation and Control Department, VGEC Chandkheda.

Dr. Sonal Prajapati (Chemical Engineering Department) has secured a ₹2,00,000/- research grant under Technical Education-STEM (sanctioned on Jan 9, 2025) for her project on co-pyrolysis of PCBs and biomass, aiming to enhance sustainable waste management and renewable energy.

NSS – Building Bridges through Social Impact

Save Birds from Manjha (Jan 13–16, 2025)

NSS unit at VGEC held the "Save Birds from Manjha" event, rescuing injured birds and raising awareness about the dangers of kite-flying threads during Uttarayan. Volunteers patrolled nearby areas and shared helpline numbers to support timely assistance, reinforcing our commitment to urban wildlife protection.

NSS Activities (Jan–Mar 2025)

On Jan 18, 2025, NSS volunteers participated in a **Blood Donation Camp** at **Raj Bhavan, Gandhinagar** to mark the birthday of Hon'ble Governor Shri Acharya Devvrat, embodying the spirit of service and patriotism. On Feb 15, 2025, NSS and NCC units visited **Red Cross Shatabdi Bhavan** in Ahmedabad for a session on **community health**, covering blood testing, blood banks, and early **thalassemia** detection.

On Mar 4, 2025, NSS and NCC units held a **Blood Donation and Thalassemia Awareness Session** at **A-Block Auditorium** with expert talks, quizzes, and interactive sessions. On Mar 5, 2025, in collaboration with the **Red Cross Society**, they hosted a **Blood Donation and Thalassemia Testing Camp**, where **85 students and faculty** donated blood. A **CPR training session** highlighted the importance of health awareness and life-saving skills.



NSS & NCC team at Red Cross Shatabdi Bhavan, Ahmedabad



Students donating blood.



NSS team at Raj Bhavan, Gandhinagar

Annual Special Camp at Lavarpur Village (Feb 23–Mar 1, 2025)

NSS VGEC held an **Annual Special Camp** at **Lavarpur Village** featuring art sessions, a **nukkad natak** on addiction, a cleanliness drive, and eco-brick making. Volunteers conducted a **menstrual health survey**, distributed sanitary pads, and promoted **Ayurvedic medicine**, fostering teamwork and community service



NSS volunteers at Lavarpur Village

WDC – Empowering Voices, Inspiring Change



Nilaben Patni educating female students

Female Hygiene Session (Feb 20, 2025)

On Feb 20, 2025, the **Women Development Cell** of VGEC held a session on "Female Hygiene" at the **VGEC Girls Hostel**. **Nilaben Patni** educated **81 students** on menstrual health, sanitary pad use, and cervical cancer prevention, empowering them to make informed health decisions.

Innovation and Incubation Centre (IIC) – Igniting Ideas, Fueling Success



Students at Atal Incubation Centre

Visit to Atal Incubation Centre, GTU (Feb 10 & 24, 2025)

Innovation and Incubation Centre of VGEC organized a visit to the **Atal Incubation Centre** at **GTU**, where **80 students** explored innovative practices and entrepreneurial activities under the guidance of **Prof. Rozina Surani**.



Ms. Koulmal Kalantry with SSIP team

Entrepreneurship among Women Session (Mar 7, 2025)

To celebrate **Women's Day**, the **IIC Cell** and **SSIP** at VGEC organized a session on "Entrepreneurship Among Women" on **March 7, 2025**. **Ms. Koulmal Kalantry** was the distinguished speaker, sharing valuable insights on fostering entrepreneurial spirit and innovation. The session highlighted the strength, creativity, and potential of women in shaping a better future.

SSIP – Empowering Young Innovators

Sensitization Workshop on Student Start-Up and Innovation (Jan 9, 2025)

On Jan 9, 2025, SSIP VGEC Chandkheda held a workshop on "Empowering School Students and Teachers through Start-Up and Innovation Outreach" at St. Joseph Higher Secondary School. 12 teachers and 64 Grade 11 students attended, gaining insights from Prof. Kalpesh Chaudhary and Prof. Kuldip Dodiya on start-ups and entrepreneurial opportunities.

IEI – Empowering Future Engineers

Expert Lecture on Petroleum Industry (Feb 18): Mr. Prem Kumar Chawla (Retd. DGM, ONGC) delivered a session on petroleum formation, exploration, and processing, attended by **143 participants**.

Expert Lecture on Fire Prevention (Feb 21): Dr. Priya Saxena (Parul Institute of Technology) discussed fire behavior, safety measures, and compliance with **58 participants**.

Expert Lecture on COMSOL Multiphysics (Feb 19): Prof. Greeshma Nair (SAL College of Engineering) introduced COMSOL for heat transfer, fluid dynamics, and chemical reactions to **125 participants**.

Web Designing using PHP Workshop (Feb 13–15): Mr. Abhi Shah, Mr. Dharmit Shah, and Mr. Mihir Someshwara conducted a hands-on workshop on JavaScript, CSS, PHP, and SQL for **85 students**.

Treasure Hunt Event (Feb 19): The Instrumentation & Control Department hosted a Treasure Hunt, combining technical problem-solving with teamwork and leadership.

Mission English – Unlocking the Power of Language

English is a student-led initiative to improve communication and employability skills, held every Wednesday (9:00–10:30 am) in the English Language Lab under Dr. Vaseem Qureshi's guidance. On Jan 29, 2025, Shashikala Prasad and Nupur Singh led "Tales in Motion: Write and Act." On Feb 5, 2025, Aastha Tiwari and Vishwa Arya conducted "Inspired to Speak: The Art of Stage Presence." The sessions foster creativity, confidence, and communication.

IChE – Driving Excellence in Chemical Engineering

Masterclass on Process Equipment Design (Feb 15, 2025)

The IChE Student Chapter VGEC and Placement Cell hosted a Masterclass on Process Equipment Design on Feb 15, 2025 at Homi Bhabha Seminar Hall. Conducted by Prof. S. B. Thakore, it provided 77 students with insights into designing pumps, valves, blowers, and compressors. Coordinated by Prof. Z. Z. Painter and Dr. U. P. Christian, the workshop enhanced students' technical and industry readiness.



Mr. Prem Kumar Chawla delivering session



Prof. Greeshma Nair delivering session

IEEE – Advancing Technology for a Better Tomorrow

Workshop on LinkedIn Profile Building (Feb 10, 2025)

IEEE VGEC SB organized a workshop on "LinkedIn Profile Building" on February 10, 2025, at the J Block Auditorium. The offline event attracted over **80 participants**, providing valuable insights into optimizing professional profiles. Attendees learned how to create a profile from scratch, effectively fill each section to maximize impact, and understand how recruiters search for candidates.

RUSA – Driving Excellence in Higher Education



Hands-On Training on Electric and Hybrid Vehicle Technology

Vocational Courses under RUSA

Under the Rashtriya Uchchatar Shiksha Abhiyan (RUSA), a centrally sponsored scheme launched by the Government of India in 2013 to enhance the quality of higher education, several vocational courses were conducted under RUSA (Component 12) at VGEC. A total of **107 students** benefited from these skill-based training programs:

1. **PLC Programming** – Conducted from January 20 to February 1, 2025 by IGTR, Ahmedabad
2. **Electric and Hybrid Vehicle Technology** – Conducted from January 27 to 31, 2025 by iACE, Gandhinagar
3. **Physical Testing of Ceramic Raw Materials** – Conducted from February 10 to 14, 2025 by CGCRI, Ahmedabad
4. **Automotive Systems** – Conducted from January 27 to 31, 2025 by iACE, Gandhinagar
5. **Automotive Systems** – Conducted from March 3 to 7, 2025 by iACE, Gandhinagar

These courses enhanced students' technical knowledge and industry readiness, contributing to their overall skill development.

Campus Chronicles – Where Moments Come to Life

"Legacy of Innovation : Contribution of Ancient India in Science and Technology" Exhibition

The Electrical Engineering Department held an exhibition on Feb 4, 2024 at A Block Auditorium, inaugurated by Dr. Rajul Gajjar (Hon. VC) in the presence of Principal V.S. Purani, Dr. Sachin Parikh (Joint Director, CTE), and Mr. Jignesh Borisagar (Vigyan Gurjari). Coordinated by Prof. A.T. Mistry under the guidance of Prof. S.N. Pandya, the event highlighted India's scientific heritage.



Opening ceremony by Dr. Rajul Gajjar, Dr. V S Purani, & Dr. S N Pandya

Introduction to Artificial Intelligence (AI) Workshops

The **Chemical Engineering Department**, in collaboration with **Gujarat Knowledge Society (GKS)** and **IBM Skills Build**, organized two AI workshops:

- **January 28, 2025** – 75 students (B.E. 4th sem) attended the session.
- **February 4, 2025** – 50 students (B.E. 2nd sem) attended the session. Led by expert trainers from **IBM Skills Build**, the workshops provided students with free access to the IBM platform, exclusive resources, and completion certificates. **Prof. Jay Trivedi** coordinated the events, helping students strengthen their AI skills and career prospects.

Expert Lecture on Campus Placement Preparation

On **February 11, 2025**, the **Chemical Engineering Department** conducted an expert lecture titled "**Preparation for Campus Placement**" by **Dr. Parag Saxena** (Program Coordinator, School of Technology, GSFC) in an online mode. The session focused on enhancing job readiness and bridging the gap between academic learning and industry needs. **97 participants** benefited from valuable placement strategies. Coordinated by **Prof. Dolly Gandhi** and **Prof. Sonal Prajapati**.

Industrial Visit to Harsh Organo Chem Pvt. Ltd.

The **Chemical Engineering Department** organized an industrial visit for **B.E. 4th sem** students to **Harsh Organo Chem Pvt. Ltd., Vatva, Ahmedabad** on **February 11, 2025**. **60 students** gained firsthand experience of chemical manufacturing processes, raw material handling, and quality assurance. The visit, coordinated by **Dr. D.R. Gandhi** and **Prof. Z.Z. Painter**, enhanced students' practical knowledge and industry exposure.



Students at Harsh Organo Chem Pvt. Ltd

Expert Talk on Introduction to AI (IT Department)

The **Information Technology Department** organized an **AI expert talk** under the **IBM Skills Build** program on **January 29 and 31, 2025** at **A Block Auditorium** and **B-202**. **114 IT students** learned about AI fundamentals and real-world applications. The session concluded with a Q&A segment, allowing students to clarify their doubts.

Next-Gen Construction with AR/VR (Civil Department)

The **Civil Engineering Department** conducted an expert lecture titled "**Next-Gen Construction: AR/VR for Design & Execution**" on **January 29, 2025**, led by **Mr. Sani Chaurasiya**. The session covered AR/VR in MEP design, structural simulations, and BIM integration. **73 students** participated, coordinated by **Prof. Bhagyesh Contractor** and **Prof. D.R. Rawat**.

STAAD Pro Workshop (Applied Mechanics Department)

The **Applied Mechanics Department** organized a **five-day workshop** on **STAAD Pro** from **February 24 to March 1, 2025** at **N Block**. **20 students** participated, gaining advanced structural analysis skills and receiving completion certificates. Coordinated by **Prof. P.B. Mistry**.

Alumni Session on Power Electronics (Power Electronics Department)

The **Power Electronics Department** conducted an alumni session titled "**Powering Your Future: A Career Blueprint from Preparation to Interview Success**" on **February 1, 2025**. **Er. Jash Saraiya** and **Er. Sumit Rai** shared industry insights and career preparation strategies. The event was well-attended and highlighted the importance of technical skills and interdisciplinary knowledge.

Expert Session on Prospects of Power Electronics and MSMEs

The **Power Electronics Department** organized an expert session on **February 1, 2025**, by **Mr. Parimal Choudhary** (CEO, Insulated-Gate Bipolar Transistors). **51 students** and **4 faculty members** learned about the evolving role of MSMEs in engineering, industry challenges, and career progression opportunities. Coordinated by **Prof. N.D. Mehta**.

State-Level Elocution Competition

VGEC hosted a **state-level elocution competition** on **February 19, 2025**, with participants from **29 institutes**. **Ms. Manjot Gandhi (4th Sem, EC)** won first prize, securing a shield, rotating trophy, and Crossword gift vouchers worth ₹5,000. Coordinated by **Dr. Vaseem Qureshi**.

IBM AI Workshop for 1st and 2nd-Year Students

IBM Skills Build, in collaboration with **GKS**, conducted a series of AI workshops from **January 27 to 31, 2025**, benefiting **1,750 students**. The workshops trained students on AI basics, providing free access to the IBM platform and completion certificates. Coordinated by **Prof. Sejal H. Sarvaiya** under guidance from **Prof. H.D. Maheta** and **Prof. Kajal Patel**.

Semiconductor and AI Expert Lecture (EC Department)

The **Electronics & Communication Department** hosted a webinar titled "**Semiconductor, AI, and Industry Beginners: Everything You Need to Know**" on **February 21, 2025** by **Mr. Srujan Patel** (Staff Design Verification Engineer, Qualcomm). **200 students** participated and gained valuable insights into semiconductor technology and AI applications.

Industrial Visit to eInfochips Ltd.

The **Electronics & Communication Engineering Department** conducted a two-day industrial visit to **eInfochips Ltd., Ahmedabad** on **March 10 and 11, 2025**. **6th-semester students** learned about VLSI design flow, embedded systems, and industry tools. Coordinated by **Prof. J.K. Naik** and **Prof. N.P. Patel**.

Role of Youth in Nation Building

VGEC organized a special talk on **February 18, 2025**, by **Dr. Gaurang Gandhi** on the role of youth in nation-building. He encouraged students to use technology for development while understanding India's rich heritage and value systems. The talk inspired students to contribute actively to national progress.

Cancer Awareness Expert Lecture

VGEC hosted an expert lecture on **cancer awareness** on **February 19, 2025**, by **Dr. Aditi Bhatt** (Consultant Surgical Oncologist, Shalby Hospital). The talk, titled "**A Stitch in Time Saves Nine**," focused on early diagnosis and risk reduction methods. A free health check-up was organized post-session. Managed by **Dr. A.R. Patel**, **Prof. S.N. Shah**, and **Dr. S.K. Ambavale**.

ANSYS Training at VGEC

The **Electrical and Mechanical Engineering Departments** at VGEC, Chandkheda conducted a **One-Week ANSYS Training** from **March 24-28, 2025**, under the chairmanship of **Prof. S. N. Pandya** and **Prof. R. P. Vyasa**. Experts from **Ansys Software Private Limited, Bangalore** provided hands-on sessions on structural analysis, CFD analysis, RF Design, and Electromagnetics and many other topics. The program was coordinated by **Prof. A. T. Mistry**, **Prof. K. A. Vyas**, **Prof. M. M. Modan**, and **Prof. D. S. Mehta**.



Faculty Enrichment – Nurturing Excellence in Education

MOOCs: 1 FDPs: 11

Research & Innovation – Shaping the Future Through Discovery

Research paper published: 8

