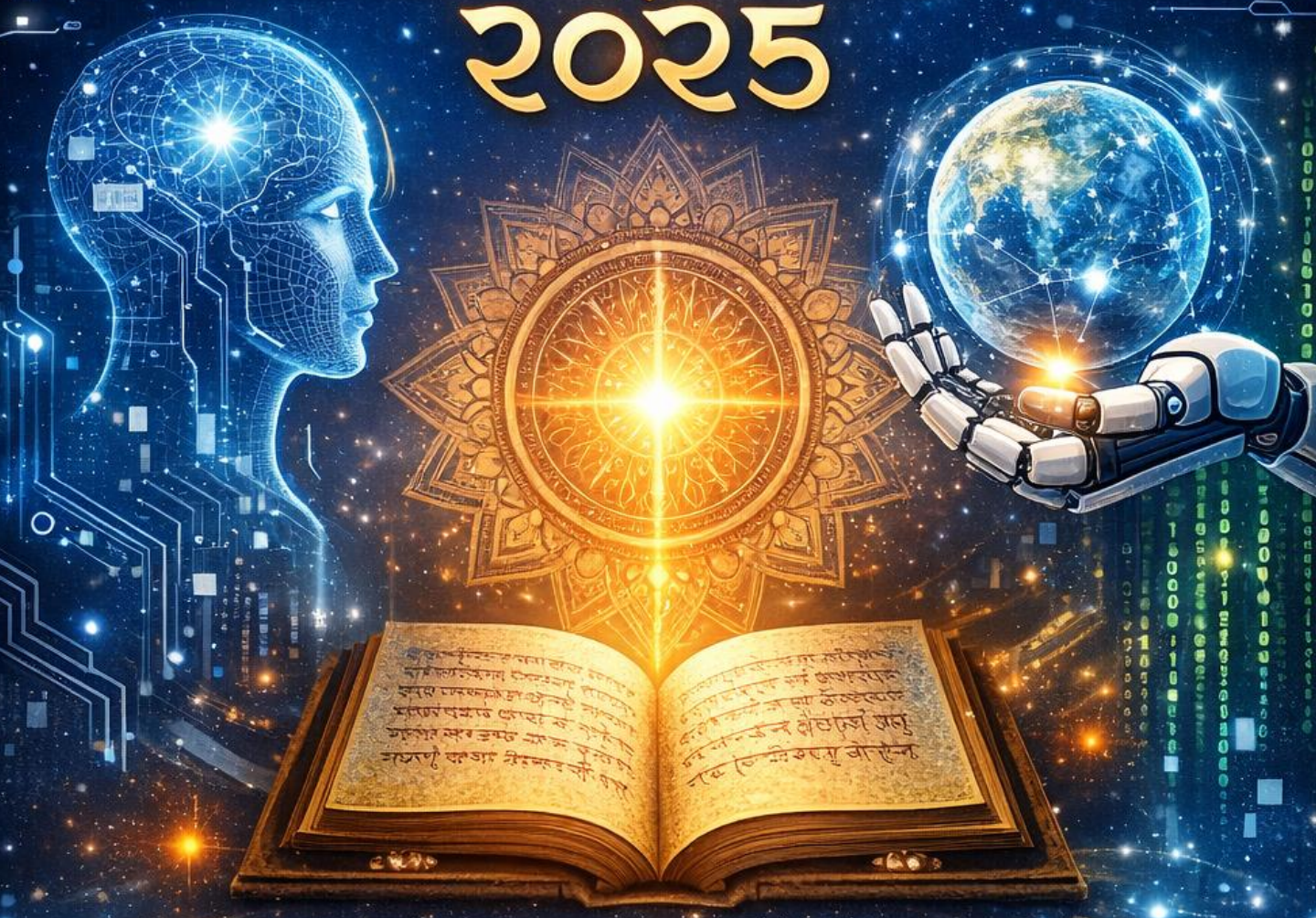
A.V. PAREKH TECHNICAL INSTITUTE – RAJKOT

COMPUTER ENGINEERING DEPARTMENT

TECH ANVESHAN ૨૦૨૫



Exploring the Digital Frontier

Institute Vision and Mission

Vision

To cater skilled engineers having potential to convert global challenges into opportunities through embedded values and quality technical education.

Mission

M1	Impart quality technical education and prepare diploma engineering professionals to meet the need of industries and society.
M2	Adopt latest tools and technologies for promoting systematic problem solving skills to promote innovation and entrepreneurship
M3	Emphasize individual development of students by inculcating moral, ethical and life skills.

Department Vision and Mission

Vision

Develop globally competent Computer Engineering Professionals to achieve excellence in an environment conducive for technical knowledge, skills, moral values and ethical values with a focus t serve the society.

Mission

M1	To provide state of the art infrastructure and facilities for imparting quality education and computer engineering skills for societal benefit.
M2	Adopt industry oriented curriculum with an exposure to technologies for building systems & application in computer engineering.
M3	To provide quality technical professional as per the industry and societal needs, encourage entrepreneurship, nurture innovation and life skills in consonance with latest interdisciplinary trends.

MESSAGE FROM THE DESK OF HOD

Tech Anveshan 2025

Dear Readers,

"Confidence paves the path to success."

It gives me immense pleasure to present **"Tech Anveshan 2025"**, the e-magazine of the Computer Engineering Department, A. V. Parekh Technical Institute, Rajkot.

The title **Tech Anveshan**, meaning *technological exploration*', truly reflects the spirit of continuous learning, innovation, and discovery among our students and faculty. This e-magazine serves as a platform to explore emerging technologies, creative ideas, and practical knowledge beyond the past year, including workshops, seminars, expert talks, industrial visits, SSIP initiatives, induction programs, faculty development programs, and articles on current trends in computing and digital technologies. These activities are aimed at equipping our students and faculty with skills and insights demanded by the rapidly evolving technological world.

I strongly believe that education is a collaborative effort involving visionary leadership, dedicated teachers, and motivated students. Aseducators and administrators, we remain committed to fostering a vibrant academic environment that encourages curiosity; and global competence.

CONTRIBUTORS

FACULTY COORDINATORS:

- Ms. Darshita S. Pathak
- Ms. Shivangi B. Malli

STUDENT TEAM

- Aesha Gandhi & Trisha Adhia
- Riya Nileshbhai Raval
- Neha A. Rathod
- Vidhee Tank, Bansi Bhundiya & Saanvi Mehta
- Abada Rehan N
- Vaghela Karan Jitendrabhai
- Joshi Jaykishan Hematbhai
- Afiya Patani
- Saanvi Mehta
- Parmar Sonali Chetanbhai
- Kariya Jenil Ketanbhai
- Jadeja Yashrajsinh Virendrasinh
- Vala Akhilesh
- Gharvaliya Devika
- Badi Falaknaz
- Hadvani Palak

From Diploma Student to Tech Creator: Power of Skills Over Degrees

In today's fast-changing technological world, education is no longer limited to degrees and marksheets. While degrees still hold importance, they are no longer the only deciding factor for success. What truly matters today is skills. Technology has opened doors for students who are willing to learn, build, and create. Among them, diploma students are emerging as strong contributors, proving that skills can be more powerful than degrees.

Diploma education is often misunderstood as limited, but in reality, it is focused and practical. Diploma students start working with technical subjects, labs, and tools at an early stage. This early exposure helps them develop a problem-solving mindset. Instead of only memorizing theory, diploma students learn how systems actually work. In the technology industry, companies look for people who can do the work, not just explain it. This is where diploma students gain a strong advantage.

Today, we are witnessing the rise of the Tech Creator. A tech creator is not just a user of technology but a builder of solutions. Creating websites, applications, software tools, or even small digital products reflects real understanding. This creator mindset separates passive learners from active contributors. Diploma students, with their hands-on approach, are naturally aligned with this mindset.

In the modern tech ecosystem, certain skills matter more than the type of degree a student holds. Problem-solving ability helps in facing new challenges. Logical thinking and coding skills turn ideas into working solutions. Communication skills allow students to explain their work confidently. Learning ability ensures growth even when technology changes. Most importantly, project-building skills act as proof of knowledge. A degree may open the door, but skills decide how far a student can go.

Self-learning plays a major role in shaping successful students today. With access to the internet, online platforms, and smart tools, learning is no longer restricted to classrooms. Students who take responsibility for their own growth can learn far beyond the syllabus. Smart use of technology, when done ethically, can enhance understanding, speed up learning, and improve creativity.

For many diploma students, especially those from middle-class backgrounds, dreams are big but resources may be limited. This reality should never become a weakness. A slow start does not mean a weak future. Consistency, discipline, and belief in one's abilities can transform lives.

In conclusion, the world of technology rewards those who can create value. Degrees may introduce a student, but skills define their journey. Diploma students who focus on learning, building, and improving themselves can become confident tech creators. The future belongs not just to degree holders, but to those who continuously sharpen their skills and dare to build something meaningful.

Fly high, because skills give wings to dreams.

-- Afiya Patani 3rd C

Posters By Aesha Gandhi and Irsiha Adhiya


By:
TRISHA ADHIA
&
AESHA GANDHI
WE ARE INDIANS
ONE IDENTITY
ONE EMOTION
ONE NATION

We Are More Connected Than Ever, Yet Deeply Alone

"Never before have people talked so much, and listened so little."

We live in a world where connection is just a tap away. Messages travel instantly, faces appear on screens, and lives are shared in real time. Yet, beneath this constant connectivity lies a quiet contradiction. Many people feel more isolated today than ever before.

Social media has redefined connection. We count friends, likes, and views, but rarely count conversations that truly matter. Online presence often replaces real presence. Smiles are posted, struggles are hidden, and silence is masked by activity. Being surrounded by people no longer guarantees feeling understood.

"Connection is easy. Meaningful connection is rare."

The pressure to appear happy and successful pushes many to hide their true emotions. Over time, this habit creates distance not from others, but from ourselves. When honesty feels uncomfortable, loneliness grows even in crowded spaces.

Technology is not the enemy. It has brought opportunities, awareness, and global reach. The problem begins when screens replace sincerity and speed replaces depth. True connection requires time, attention, and the courage to be real.

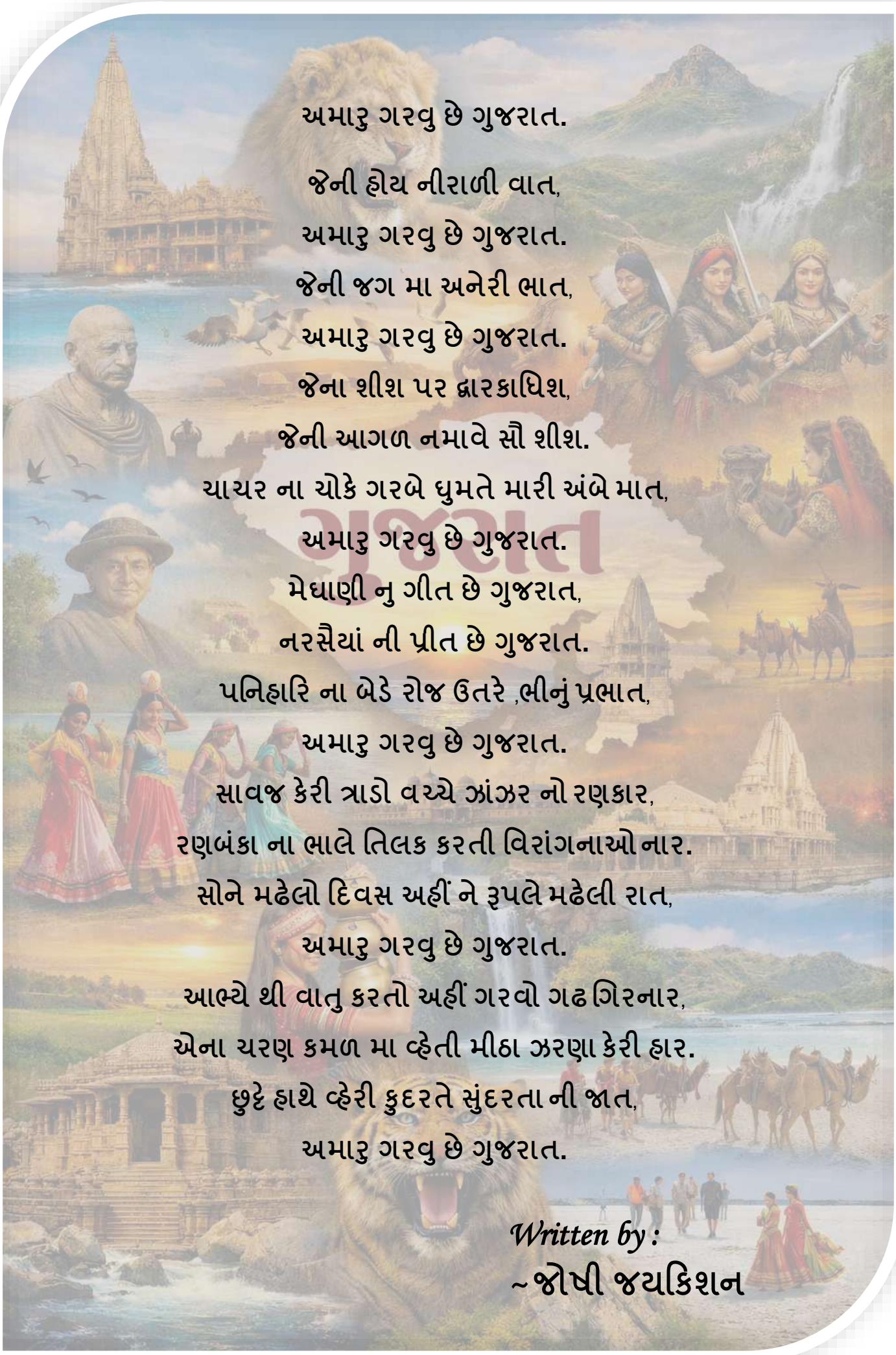
"Loneliness is not the absence of people, but the absence of understanding."

Breaking this cycle starts with small actions. Listening witho ut distraction. Speaking without filters. Choosing presence over performance. In a world that is always online, the most powerful connection remains human.

Perhaps the solution is not to disconnect from technology, but to reconnect with ourselves and others. Because real connection is not measured by signals or networks, but by the feeling of being truly seen.

-- *Jadeja Yashrajsinh V. 5th A*

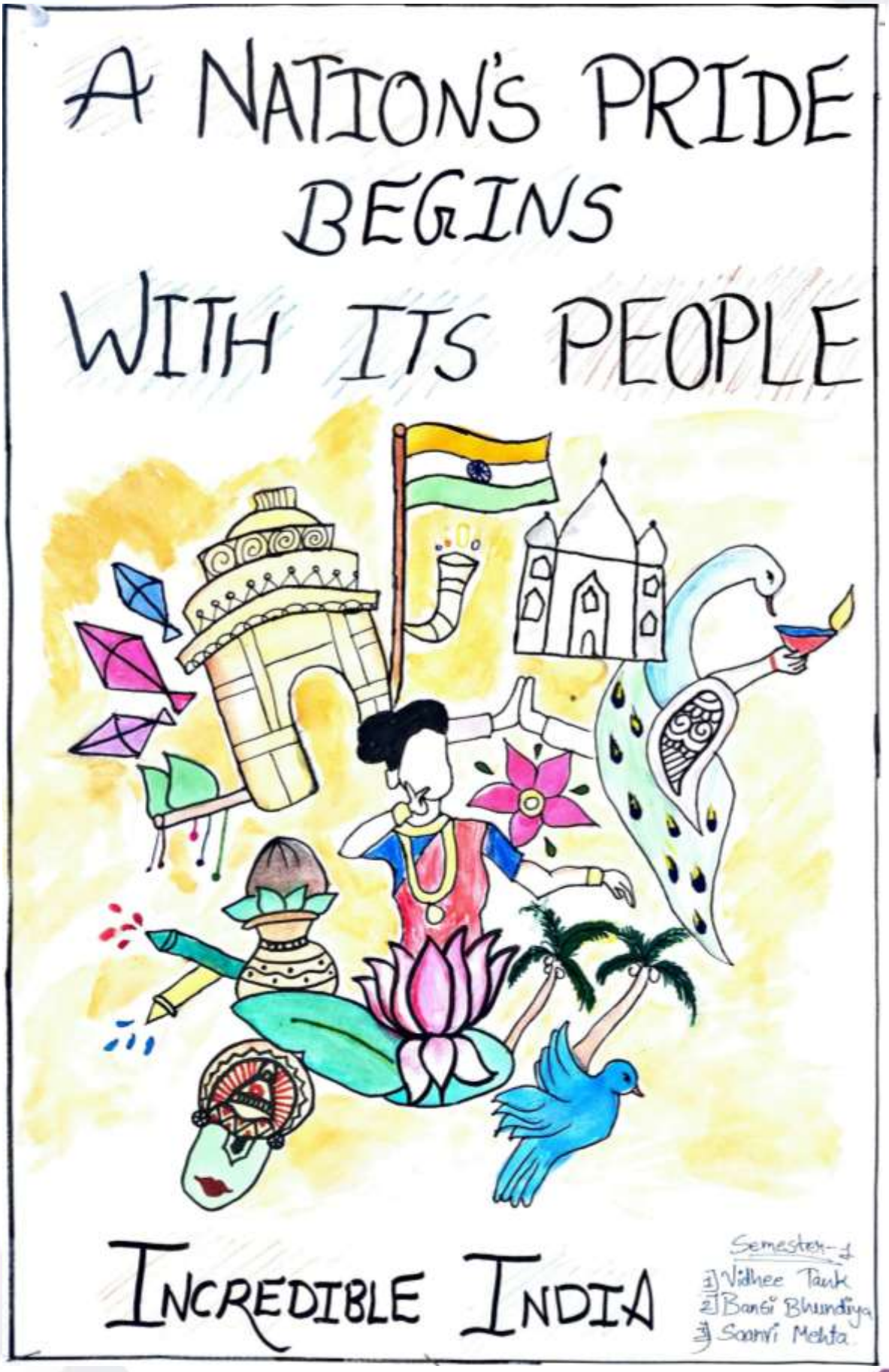
Art by Rehan Abada -3rd A



અમારુ ગરવુ છે ગુજરાત.

જેની હોય નીરાળી વાત,
અમારુ ગરવુ છે ગુજરાત.
જેની જગ મા અનેરી ભાત,
અમારુ ગરવુ છે ગુજરાત.
જેના શીશ પર દ્વારકાધિશ,
જેની આગળ નમાવે સૌ શીશ.
ચાચર ના ચોકે ગરબે ઘુમતે મારી અંબે માત,
અમારુ ગરવુ છે ગુજરાત.
મેઘાણી નુ ગીત છે ગુજરાત,
નરસૈયાં ની પ્રીત છે ગુજરાત.
પનિહારિ ના બેડે રોજ ઉતરે ,ભીનું પ્રભાત,
અમારુ ગરવુ છે ગુજરાત.
સાવજ કેરી ત્રાડો વચ્ચે ઝાંઝર નો રણકાર,
રણબંકા ના ભાલે તિલક કરતી વિરાંગનાઓ નાર.
સોને મઢેલો દિવસ અહીં ને રૂપલે મઢેલી રાત,
અમારુ ગરવુ છે ગુજરાત.
આભ્યે થી વાતુ કરતો અહીં ગરવો ગઢ ગિરનાર,
એના ચરણ કમળ મા વ્હેતી મીઠા ઝરણા કેરી હાર.
છુટ્ટે હાથે વ્હેરી કુદરતે સુંદરતા ની જાત,
અમારુ ગરવુ છે ગુજરાત.

Written by :
~જોષી જયકિશન


A NATION'S PRIDE
BEGINS
WITH ITS PEOPLE
INCREDIBLE INDIA
Semester-1
1] Vidhee Tank
2] Bansi Bhandiya
3] Saanvi Mehta

Art By :
Hadvani Palak
1st A

Ary By: Neha Rathod 3rd C

Code Green: The Future of Sustainable Tech

-Saanvi Mehta 1st B

-The Invisible Problem:-

Did you know the Internet's carbon footprint is now roughly equivalent to the Global Airline industry??

A carbon footprint is the total amount of greenhouse gases-primarily **carbon dioxide**-released into the atmosphere as a result of many activities. Because greenhouse gases mix globally, emissions from one region affect the entire planet's climate.

-Green Tech:-

It is more than a trend, It is an application of science to create services which are **environment-friendly**, **sustainable** and promotes **source reduction**. The design is made in such a way ensuring that all products can be fully recycled at the end.

-The Geek Perspective:-

For the tech world, it is a series of exiciting engineering challenges. We can use smart ways of coding to reduce our impact on planet. Important areas to be considered are:

1. Using *clean energy sources like wind or solar to produce fuel.* Also to *promote EV's (Electric vehicles) to reduce carbon emissions.*
2. Using *sensors and AI* to give crops exactly the water they need. This prevents waste and uses tech to save water and protect our food supply.
3. Instead of just making code fast, we must make it *"energy-efficient".* This means writing light code that uses less CPU power and saves battery life.

Conclusion:-

Green Tech is not only about planting trees or being nice to nature, *it is about ingenuity and technical allyship*. It is a mission to *solve global problems through clever engineering*. We must ensure that innovation and sustainability works as a pillar to build a better future.

Seminar On Revisiting the Core: Advanced Concepts in Computer Number Systems

DATE & TIME:	**01-02-2025 at 11:15am**
EVENT VENUE:	Seminar Hall, Computer Engineering Department
EVENT CO-ORDINATOR:	S. B. MALLI (Lecturer CE)
NO. OF PARTICIPANTS :	**2nd Semester 124 Students**

EVENT OUTCOMES	• **Understanding of Advanced Number Systems**: Participants would gain an in-depth understanding of number systems beyond the basic binary, decimal, and hexadecimal systems. This may include topics like floating-point representation, octal, and other specialized systems used in computing. • **Applications of Number Systems in Computing:** The session could explore how these number systems are applied in areas like memory addressing, data storage, and digital signal processing, enhancing practical knowledge of their real-world significance. • **Conversion Techniques:** Learners would refine their skills in converting between various number systems (binary, hexadecimal, decimal, etc.) with a focus on more complex or real-world examples. • **Representation of Real Numbers:** Detailed exploration of how computers represent real numbers, covering topics like floating-point arithmetic, mantissa, exponent, and normalization, along with the limitations and implications of this representation in terms of precision and rounding errors. • **Binary Arithmetic:** Delving into the intricacies of binary arithmetic operations (addition, subtraction, multiplication, and division) in the context of digital circuits and algorithm design. • **Critical Thinking and Conceptualization:** Encouraging learners to think critically about how number systems influence both hardware (like processors) and software (such as compilers and interpreters), including an exploration of how these systems have evolved over time. In essence, the session would aim to provide participants with a stronger conceptual foundation in advanced number systems, as well as practical skills for applying this knowledge to real-world computing tasks.

Event Highlights

Seminar On "Cyber Security and Forensic Science"

EVENT DATE & TIME:	**10/03/2025 10:30 to 12:00**
EVENT VENUE:	Seminar Hall, Computer Engineering Department
EVENT CO-ORDINATORS:	R.K.KADACHHA ,V.J.PAMBHAR
RESOURCE PERSON DETAILS:	**Snehal Sathvara,** **Assistant Professor, Computer Engineering Department,** **R. K. University, Rajkot.**
NO. OF STUDENTS PARTICIPANTS	**68**
NO. OF FACULTY PARTICIPANTS:	**02**

TOPIC HIGHLIGHTS	Experts talk about a variety of topics related to forensic science and cyber security. Experts also talk about prospects in the field of cyber security for students' future careers.

EVENT OUTCOMES	Experts discuss various topics in forensic science and cybersecurity, highlighting the importance of these fields in solving crimes and protecting digital assets. They emphasize the growing demand for cybersecurity professionals due to the rise in cyber threats, offering students promising career opportunities in areas like network security, ethical hacking, and digital forensics. With the increasing reliance on technology, the future for students in cybersecurity looks bright, providing them with diverse and rewarding career paths.

Educational Visit to Arena Animation

DATE & TIME:	**03-05-2025 at 10:00am**
ADDRESS:	Shivalik 5, A-302, Gondal Rd, Udhyog Nagar Colony, Bhakti Nagar, Rajkot, Gujarat 360002
ORGANIZER & CO-ORDINATORS:	A. P. KURDE, S. B. MALLI (Lecturer CE)
NO. OF PARTICIPANTS :	**2nd Semester 42 Students**

VISIT OUTCOMES	During our educational visit to Arena Animations, Rajkot, students gained valuable insights into the animation and multimedia industry. The session was interactive and informative, covering a wide range of foundational and advanced concepts related to animation and visual effects. Key outcomes from the visit include: **Understanding Raster and Vector Images** Students were introduced to the difference between raster and vector graphics. They learned about the file formats, use cases, and the significance of each type in design and animation. **Introduction to 2D and 3D Animation** The team at Arena Animations provided a comparative overview of 2D and 3D animation techniques. Students explored the animation pipeline, from concept creation to rendering, and saw examples of both styles used in media and games. **Insights into Visual Effects (VFX) in Movies** The visit included a detailed explanation of how VFX is integrated into films. Students observed how green screens, CGI, and compositing are used to create realistic environments and effects. **Career Opportunities in the Animation Industry** Industry experts shared various career paths available in the animation and VFX fields. This included roles such as animator, VFX artist, graphic designer, storyboard artist, and more. They also discussed current market demand and future trends in the industry. **Motivation and Industry Readiness** The session concluded with motivational guidance, encouraging students to explore their creative potential and consider animation as a viable and rewarding career option.

Event Highlights

Co-curricular Activity :
Guidance Session on DDCET Preparation

EVENT DATE & TIME:	**05/05/2025 11:00 to 01:00**
EVENT VENUE:	Seminar Hall, Computer Engineering Department
EVENT CO-ORDINATORS:	R.K. KADACHHA, V.J. PAMBHAR
NO. OF STUDENTS PARTICIPANTS:	35 6th semester
NO. OF FACULTY PARTICIPANTS:	08

TOPIC HIGHLIGHTS	The department faculties will provide valuable suggestions and guidance regarding competitive exams, particularly focusing on the DDCET (Diploma to Degree CET). In addition, 6th semester students will be sharing their personal experiences with the DDCET exam. They will discuss important aspects such as: • How to effectively prepare for the DDCET exam. • Recommended study materials and resources. • Common mistakes to avoid during the exam.

EVENT OUTCOMES	1.Students gain clarity about the structure, syllabus, and expectations of the DDCET exam. 2.Students learn effective study methods, recommended materials, and time management techniques. 3.By hearing from seniors, students become aware of mistakes to avoid during preparation and in the exam hall. 4.First-hand experiences from peers can ease anxiety and motivate students to begin focused preparation early.

Computer Engineering Department Orientation Program on 24/07/2025

As per the GTU Induction Program guidelines, in presence of Institute Head, Shri P. P. Kotak sir and department head, Dr. Parvez Faruki sir, an Orientation Program had been organized for Newly Admitted students of 1st year on 24th July 2025 at Seminar Hall, Computer Department, AVPTI–Rajkot. One of the primary goals of Orientation is to help students and parents to be familiar with the College Environment, Course, Syllabus, Teaching Pattern, Examination, standards, Rules and Regulation of the Gujarat Technological University as well as Rules of College. Second and Third year students volunteered for the whole event and helped 1st year students to navigate through AVPTI campus and identify the many resources available at college. Students were introduced to Faculty, staff members of Computer Department as well as Class Mentors useful for their personal and academic success at college.

Shri P. P. Kotak sir guided and motivated the students for their future. Dr. Parvez Faruki sir made students aware about important regulations of the college and threw light on various ongoing activities. Mrs. Manisha Goswami madam briefed about women cell, SSIP and DIC center. Mr. Hiren Savaliya gave an informative presentation regarding College and GTU academic structure, GTU and college Fees structure as well as scholarship schemes. Ms. Darshita Pathak along with student volunteers managed the overall outline of the program. Senior students gave feedback about their experience about the environment and faculty members of the department and actively managed the arrangements and conduction of the program.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1st Year Induction program

EVENT DATE & TIME:	**INDUCTION PROGRAM FIRST YEAR STUDENTS, 24-07-2025 TO 06-08-2025**
EVENT VENUE:	Seminar Hall, Computer Department
NO. OF STUDENTS PARTICIPANTS :	**Sem-1 All Students**

EVENT OUTCOMES	• The Student Induction Program (SIP) was conducted with the objective of facilitating a smooth transition of first-year diploma students into the institutional environment. It aimed to build a strong foundation of values, health, creativity, and professional orientation among students. • In line with the thoughts expressed in the NEP 2020, the SIP consists of 9 modules – one on Universal Human Values, one on health, five on Indian Knowledge System (modules 4, 5, 7, 8 and 9) and two on skills (modules 3 and 6). The details of modules are mentioned in Syllabus Attached with this report. • The induction program successfully created an inclusive, value-based, and enriching environment for the new entrants. Students began their academic journey with increased motivation, clarity of purpose, emotional stability, and a sense of belonging to the institution. The outcomes achieved lay a strong foundation for their overall development in the coming years.

1. Holistic Development and Value Education (UHV-I): Students were introduced to self-exploration methods, enabling them to reflect on their roles and responsibilities as individuals, family members, members of society, and as integral parts of nature. Motivational lecture about life journey of an entrepreneur was organized as well as human values awareness activities were planned.

A greater understanding and realization of human values such as respect, trust, empathy, and gratitude was observed. Students showed improved self-awareness and the ability to relate their personal goals with societal and universal well-being.

2. Physical Health and Well-being: Through regular sessions of yoga, exercise, and outdoor games, students learned the importance of physical fitness and mental well-being. Many students incorporated healthy routines in their daily lives and understood the long-term benefits of a disciplined lifestyle.

3. Departmental Familiarization and Innovation:


Students gained insight into their respective departments, available resources, and the role of their technical branch in solving real-life problems. Senior Students shared their feedbacks and experiences about the environment at the department and also helped them navigating through different locations of department through vivst. Exposure to current innovations helped students connect their academic journey with societal contributions and national development.

4. Local Area Visit: Visits to nearby historical and culturally significant places helped students connect with the social fabric and environment of their institute's location. They developed a better understanding of local heritage, traditions, and community interaction.

5. Lectures by Eminent Personalities: Eminent speakers from industry, academia, and creative fields inspired students by sharing life experiences, career journeys, and motivational stories. Students received valuable insights on career planning, personal growth, and the importance of ethical values.


6. Proficiency Modules: Students were able to enhance their basic communication skills, interpersonal interaction, and linguistic awareness. Introduction to Neuro-Linguistic Programming (NLP) helped improve self-expression and confidence among students.

7. Literature and Indian Knowledge Systems (IKS-I): Students explored moral, cultural, and philosophical values through literary activities including poetry, storytelling, and discussions on Indian scriptures and contemporary texts. It instilled a sense of cultural pride and respect for diverse knowledge systems.

8. Creative Practices: Hands-on engagement in creative fields like painting, music, dance, and drama allowed students to express their emotions and ideas joyfully. This fostered creative thinking, emotional intelligence, and cultural appreciation.




9. Other Co-curricular and Club Activities: Formation of interest-based clubs and groups encouraged students to pursue hobbies and talents beyond academics. Students actively participated in activities that promoted teamwork, leadership, and community bonding**.**

Seminar On The Joy of Sky Watching and Amateur Astronomy

EVENT DATE & TIME:	**06/08/2025 11:30 to 01:30**
EVENT VENUE:	Seminar Hall, Computer Engineering Department
EVENT EXPERT:	Mr. Nilesh Rana Lok Vigyan Kendra, Rajkot.
EVENT CO-ORDINATORS:	A.K.Panchasara, Dr.D.S.Pathak, V.J.Pambhar
NO. OF STUDENTS PARTICIPANTS	Above 150 1st semester
NO. OF FACULTY PARTICIPANTS:	04

TOPIC HIGHLIGHTS	The session introduced students to the fascinating world of sky watching and amateur astronomy, highlighting the natural beauty of the night sky. It covered the basics of identifying constellations, planets, and witnessing celestial events like meteor showers and lunar eclipses. Students learned about various tools and mobile applications that assist in stargazing, such as telescopes and star-mapping apps. The talk also emphasized the historical and technological importance of astronomy in fields like navigation and satellite systems.

EVENT OUTCOMES	As a result of the session, students developed a sense of curiosity and appreciation for space and the universe. They were motivated to explore astronomy as a personal hobby using simple and accessible tools. The session enhanced their observation and reasoning skills, which are vital in scientific thinking. Additionally, it helped them understand how computer technology is integrated into space science through data analysis, simulations, and real-time astronomical applications.

Adani Industrial Visit
Project: UDAAN

Visit Coordinators	**Ashok K. Panchasara (Senior Lecturer)** **Niraj R. Trivedi (Lecturer)** **Nilesh R. Radadiya (Lecturer)**
Department	Computer Engineering Department
Institute	A.V. Parekh Technical Institute, Rajkot
Number of Students	53 (Final Year)
Dates of Visit	10/09/2025 & 11/09/2025

Visit Coordinators	**M.K. Goswami (I/C HoD, Senior Lecturer)** **H.C. Savaliya (Lecturer)** **Y.A. Hathaliya (Lecturer)** **S.B. Malli (Lecturer)**
Department	Computer Engineering Department
Institute	A.V. Parekh Technical Institute, Rajkot
Number of Students	52 (Final Year)
Dates of Visit	11/09/2025 & 12/09/2025

An industrial visit was organized for the final-year Computer Engineering students of A.V. Parekh Technical Institute, Rajkot, on 10th, 11th and 12th September 2025. The objective of the visit was to provide students with practical exposure to industrial processes, operations, and management in reputed industries under the Adani Group.

The journey began on Day 1 with departure from AVPTI at **5:00 AM** and arrival at **Shanti Vihar, Mundra at 12:15 PM**. After room allocation and lunch, students visited **Adani Wilmar Limited (AWL)** and gained insights into its operations from **Mr. Jaydip Ravalia**. The visit to **Adani Main Port** followed, where strict safety measures were observed and an informative session was delivered by **Mr. Zala**. The evening included an immersive **VR show**, a visit to **Shantinath Mahadev Temple**, and a cultural program with **Garba**.

Day 2 began early with a **yoga session at 5:30 AM**, promoting physical and mental well-being. After breakfast, the group checked out at **8:30 AM** and proceeded for industrial visits. Students visited the **Adani Thermal Power Station**, **Adani Solar Project**, and **Adani West Port**, learning through demonstrations and presentations by expert engineers. The scenic environment at **Adani West Port** made the visit both educational and memorable. The group returned safely to **AVPTI, Rajkot at 10:30 PM**, concluding a highly informative and enriching industrial visit.


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One Day Workshop: AI & Data Science Workshop with Industry Insights & Internship Roadmap

EVENT DATE & TIME:	**22/09/2025 10:30 to 05:30**
EVENT VENUE:	Seminar Hall, Computer Engineering Department
EVENT EXPERT:	Mr. Nimit Kansagara Founder, HostingSpell.
EVENT CO-ORDINATORS:	N.R.RADADIYA, R.K. KADACHHA, V.J. PAMBHAR
NO. OF STUDENTS PARTICIPANTS (SEMESTER):	88 3rd semester
NO. OF FACULTY PARTICIPANTS:	03

TOPIC HIGHLIGHTS	The workshop covered an introduction to Artificial Intelligence and Data Science, fundamentals of machine learning, data handling and visualization techniques, and AI tools such as Python libraries. It also included valuable industry insights, real-world applications, and a clear roadmap for internships and career opportunities.

EVENT OUTCOMES	Students gained awareness of AI and Data Science fundamentals, exposure to industry practices, and clarity on essential skills required in the field. The session motivated them to explore new technologies, prepared them for internships, and provided confidence to start applying AI tools in practical scenarios.

Seminar On Medical Emergency Awareness

EVENT DATE & TIME:	**13/11/2025 10:30 to 05:30**
EVENT VENUE:	Seminar Hall, Computer Engineering Department
RESOURCE PERSONS:	Students from P. D. U. Medical College - Rajkot
EVENT CO-ORDINATORS:	Mrs. DARSHITA PATHAK and Mrs. ARCHANA KURDE
NO. OF STUDENTS PARTICIPANTS (SEMESTER):	80+ 1st semester

TOPIC HIGHLIGHTS	• The seminar on Medical Emergency Awareness provided practical, life-saving knowledge about how to recognize and respond to common emergencies such as cardiac arrest, choking, severe bleeding, and stroke. Emphasis was placed on early recognition, timely intervention, and the importance of calling emergency services immediately to improve patient outcomes. • Participants took part in interactive simulations and role-plays which reinforced theoretical concepts through practical application. The session highlighted simple preventive measures and first-aid steps that can be performed by bystanders while professional help is enroute. The seminar underscored the critical "golden hour" concept, stressing how immediate action during the initial moments of an emergency can significantly reduce complications and save lives. Real-life case studies were presented to illustrate the consequences of delayed medical help and the benefits of timely intervention. • The resource persons clarified several myths and misconceptions surrounding first-aid practices, ensuring that participants rely only on medically approved methods. The event helped bridge the gap between theoretical knowledge and practical emergency response skills through live demonstrations and hands-on practice. • The seminar concluded with a Q&A session, where experts addressed doubts regarding various emergency scenarios and correct response protocols. Overall, the program contributed greatly to enhancing the campus community's preparedness and confidence in handling real-world medical emergencies.

EVENT OUTCOMES	Students became aware about importance of golden hour emergency awareness and its practice in everyday life can be life saver.

Seminar on "Cyber Security" under CAWACH

EVENT DATE & TIME:	**27/11/2025**
EVENT VENUE:	Seminar Hall, Computer Engineering Department
RESOURCE PERSONS:	Dr. Sunil Soni, IT department, Government Polytechnic – Rajkot.
EVENT CO-ORDINATORS:	Dr. J.B. Vala, Ms. Archana Kurde, Ms. Shivangi Malli
NO. OF STUDENTS PARTICIPANTS (SEMESTER):	300+ from all departments of AVPTI

TOPIC HIGHLIGHTS	A Cyber Security Awareness Seminar was organized for the first-year students of A. V. Parekh technical Institute- Rajkot to enhance their understanding of the growing challenges in the digital world. As students increasingly rely on the internet for learning, communication, and entertainment, it becomes essential to educate them about cyber threats, safe practices, and responsible online behavior. The seminar aimed to introduce key concepts of cyber security and empower students with the knowledge required to stay safe online. Objectives of the Seminar The major objectives of the seminar were: • To create awareness about cyber threats and attacks. • To educate students about safe internet practices. • To explain the importance of strong passwords, privacy settings, and secure browsing. • To introduce concepts like phishing, malware, hacking, identity theft, and cyber ethics. • To encourage responsible use of social media and online platforms. Students actively participated in the seminar by asking questions related to online scams, mobile security, and protection of personal data. A live demonstration of phishing attacks and password-cracking techniques helped students understand the seriousness of cyber threats.

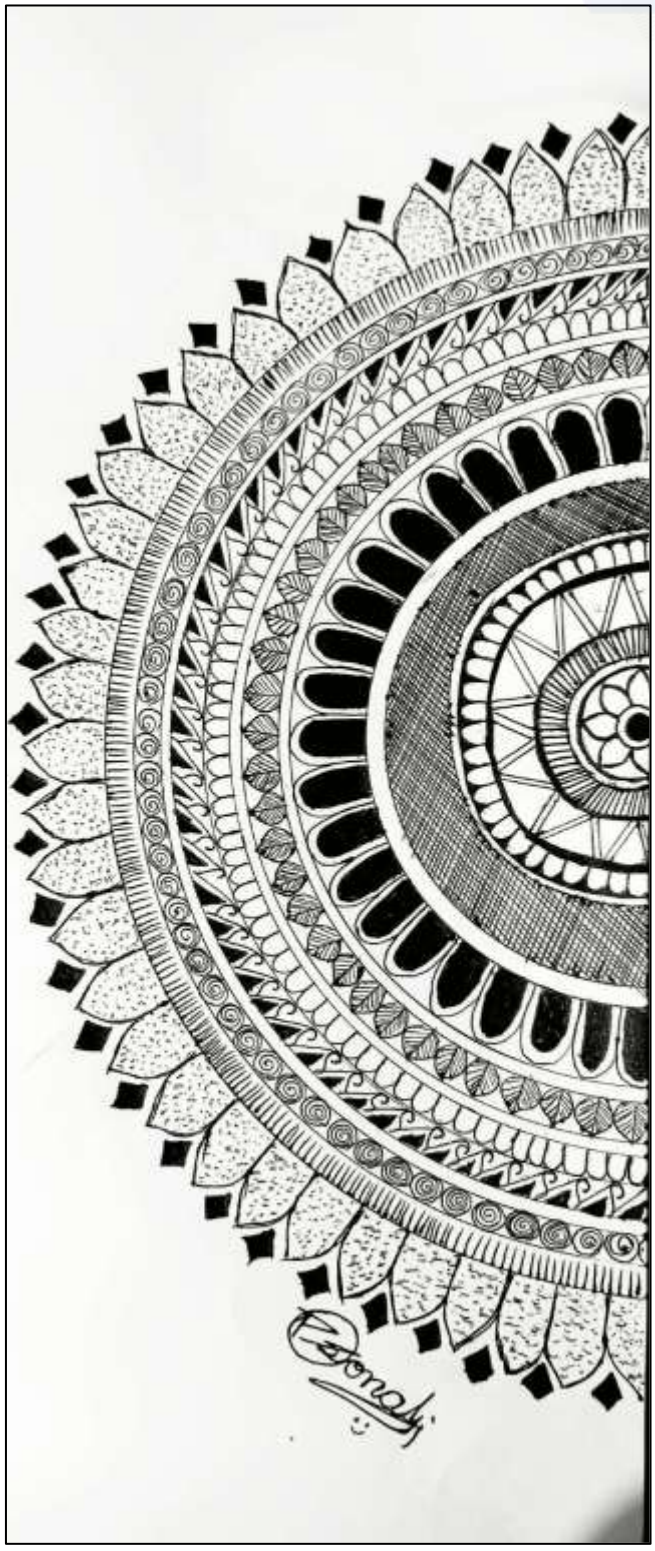
EVENT OUTCOMES	The seminar proved highly beneficial for first-year students. Key outcomes included: • Increased awareness about cyber risks. • Improved understanding of safe online practices. • Confidence in identifying suspicious online activities. • Knowledge of basic cyber laws and ethics.

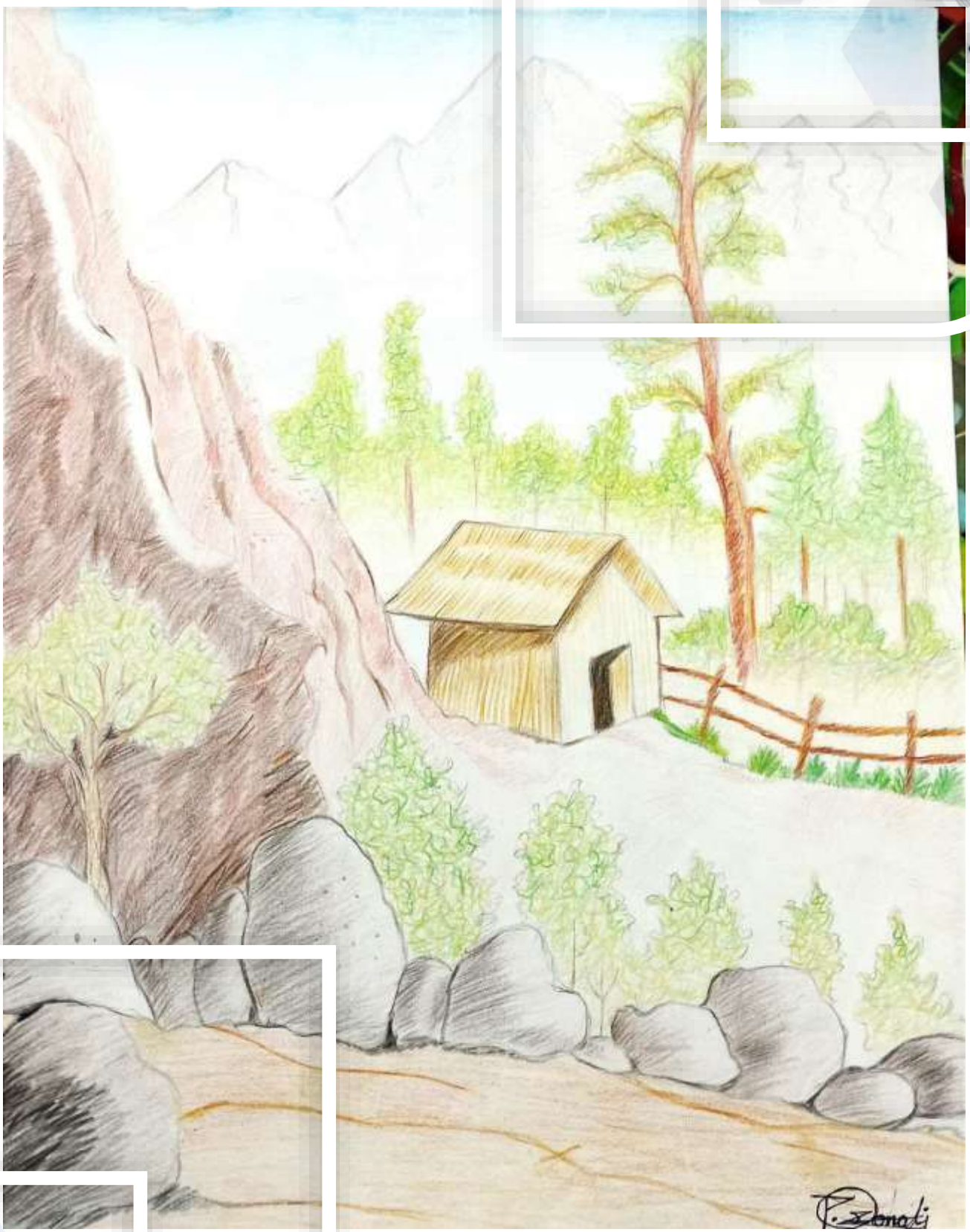

Cyber Crime Awareness

Extra-Curricular Activity: Veer Baal Divas Celebration

EVENT DATE & TIME:	**26-12-2025, 10:30am to 1:00pm**
EVENT TITLE:	ESSAY WRITING: On the Occasion of Veer Baal Divas celebrated on 26th December 2025
EVENT VENUE:	SEMINAR HALL, COMPUTER DEPARTMENT
EVENT CO-ORDINATORS:	S. B. MALLI (Lec. CE), R. A. KADCHHA (Lec. CE)
NO. OF STUDENTS PARTICIPANTS	113 1st semester
EVENT OUTCOMES	• Tribute to Supreme Sacrifice. • Inspiration for Youth • Preserving India's Culture and Spiritual Heritage

Arts By Sonali Parmar 5th B





Art By Vala Akhilesh 5th B

JUST ONE MORE DAY

Let's build a place so true, where we can always live in,
A memory lane we both could always sneak in.
From the very first day we stepped into school,
To the farewell smile that hides the ache of leaving school.
I wish I could have just one more day.
Remember when we hid our laughs behind our books?
And feared getting caught when the teacher looks.
We fought over nonsense, no solid reason.
Then share that same snack like nothing happened.
I wish I could have just one more day.
We stood for each other, never backing down.
Through mischief, chaos, every frown.
Every day with you was like a golden ticket.
Even when it rained, you helped me shift it.
I wish I could have just one more day.
From teachers yelling for our little crimes,
To their teary eyes during parting times.
That class became more than just a room.
It held our laughter, silence, every bloom.
I wish I could have just one more day.
You're the best chapter in my book of days.
And I still wish for the same old plays.

-To the friend I will never forget.

Riya Raval, 3rd C

Art by Jenil Kariya 1st B

I could shake a mountain.
But don't even move a rock.

Built for strength and creativity, yet I
often choose to scroll aimlessly.
I hold potential as vast as the ocean,
yet I walk away from it.
Meant to be as steadfast as a
mountain, but I feel like just another
rock.
Designed to endure storms, yet I still
fear facing the wind.
Everyone clapped, thinking I could
do great — like cheering a bomb that
never exploded.
But a great potential is unused?
That's just trash.

Quick to judge those who stand up,
While being a coward inside.
Can't stand others shining, but too
scared to burn to shine.
And there's no way to end this —
because the war is me.
I am both the sword and the wound.

I wasted time doing profitless things.
Then wasted more time planning a future I never worked for.
My only mistake? I kept thinking.
And forgot to be a doer of my dreams.

Every day, I wear ambition like a mask —
But it's just decoration without action.
And when I finally knew that I could shake a mountain.
But don't even move a rock.
I realized — dreams don't drive themselves.
We do.

-- Riya Raval 3rd C

Arts By
Devika Gharvaliya
3rd A

Art By Falaknaaz Badi 1st A