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**SHANTILAL SHAH ENGINEERING COLLEGE
BHAVNAGAR**



College Song

by Niren Bhatt

धड़कन की यह सदा है, हर दिल की यही पुकार है।
हां हम दिल से कहते हैं, हमें अपनी कॉलेज से प्यार है। (२)

यह शहर से कितना भी दूर सही,
पर सबके दिलों से दूर नहीं।
माना कि दुनिया में इतना मशहूर नहीं,
माना कि यह बहुत सताता है,
माना कि बहुत रुलाता है,
पर छोटे बच्चों से इंसान यही तो बनाता है।

हम हैं यहां, किस्मत से है यहां,
गम भूलो, खुशियों का है समा, (२)
हमें आंचल में है समेटे,
ये ऐसा दिलदार है।
हां हम दिल से कहते हैं, हमें अपनी कॉलेज से प्यार है।

धड़कन की यह सदा है, हर दिल की यही पुकार है।
हां हम दिल से कहते हैं, हमें अपनी कॉलेज से प्यार है।

धूप में खूब चलाता है, शोलो में खूब जलाता है,
लेकिन ममता की छांव भरी गोद में, यही सुलाता है।
पानी नहीं तो क्या हुआ प्यार हमें पिलाता है।
बेगानी सी इस दुनिया में इज्जत यही दिलाता है।
जिंदगी के लंबे इम्तिहान लेता है, कांटे भी देता है,
लेकिन फूल भी तो यही देता है।

ये जहां में हमारी, दास्तान हो हमारी
महका दे कारवां जो वो सुबह हो हमारी, (२)
हम रहेंगे जहां, फूल खिलेंगे वहां,
हम चलेंगे जहां छोड़ेंगे अपना निशान।
अरमानों की ये बस्ती, सपनों का संसार है।
हां हम दिल से कहते हैं, हमें अपनी कॉलेज से प्यार है।

धड़कन की यह सदा है, हर दिल की यही पुकार है
हां हम दिल से कहते हैं,
हमें अपनी कॉलेज से प्यार है। (३)

Vision

To become a leading engineering institute in the state, by developing excellent engineers capable of fulfilling needs of industry, society and nation at large.

Mission

1. To provide conducive academic environment motivating the aspiring engineers to achieve excellence
2. To impart ethics and core values in graduates
3. To promote contemporary infrastructure and external linkages

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Words of Motivation

Dear Students and Faculty Members,

I am honoured to have taken over as the head of this esteemed institution since February 8, 2024. During this time, I have been immersing myself in understanding the institute's workings, infrastructure, and potential. I recognize the significant role faculty members play in shaping students' careers and bringing vibrancy to the campus.

As we celebrate our institution's 40+ year legacy, we also acknowledge the challenges we face, including declining admissions, limited employment opportunities for our students, and inadequate research output. However, I firmly believe that together, we can revitalize our institution's glory and establish it as a leading hub for technical education in the state.

I envision our campus as a thriving ecosystem where students acquire skills, knowledge, and innovative thinking to drive societal change. To achieve this, I urge everyone to commit to excellence and dedicate themselves to making our campus a vibrant and inspiring space for young engineers.

- To our First-Year Students, welcome! Remember:
 - Be curious, ask questions, and explore your interests.
 - Develop good habits, time management, and teamwork skills.
 - Don't fear mistakes – they're valuable learning experiences.
 - Seek guidance when needed, and utilize campus resources.
- To our Final-Year Students, as you near graduation, remember:
 - You're talented engineers, ready to take on real-world challenges.
 - Stay true to your values, and use your skills for the greater good.
 - Network, build relationships, and stay connected with your alma mater.
 - Embrace the next chapter with confidence and enthusiasm.
- Let us all faculty work collaboratively to:
 - Enhance student admissions and placements
 - Foster a culture of research and innovation
 - Develop industry-relevant curriculum and training programs
 - Strengthen our alumni network and community engagement

I am confident that together, we can transform our institution into a dream destination for aspiring engineers and a beacon of technical excellence. I look forward to your unwavering support, dedication, and passion to make this vision a reality.

Good luck!

Dr. G. P. Vadodaria
Principal



Department Activities

- A **celebration** of the World Water Day was organized in Civil Engineering Department on 22/03/2024 under motivation and guidance of the Principal, Dr. G. P. Vadodaria and HoD, Civil, Dr. V. M. Patel. The event was Coordinated by Prof. N. P. Soni. The world water day is the international observance day. The intention of celebration of this day is to inspire people across the world to learn more about water related issues and to take action and make difference. The students were motivated to discuss relevant issues which included water scarcity, inadequate water supply, lack of sanitation and impact of climate change. Total 35 students from 4th semester participated in this event. Complimentary gift was given to the student group for the best presentation on world water day.



- A celebration of the World Water Week was organized in Civil Engineering Department on 18/04/2024 under the guidance of the Head of the Department, Dr. V. M. Patel. Total 37 students from 6th Civil, took active participation in this event. Prof. N. P. Soni introduced this event addressing global water challenges. This week focused on sustainable water management for planet's well-being and future generations, exploring innovative solutions for equitable access and responsible water use. Dr. V. M. Patel shared his insights on the importance of water and management of water reservoirs.

Prof. N. H. Joshipura discussed the importance of rainwater harvesting in conserving water resources and providing practical strategies for utilizing rainwater for various purposes.

World Water Week was concluded by emphasizing collective efforts in water conservation, including practices like rainwater harvesting and community promotion, for a sustainable future. Prof. N.P. Soni had coordinated this event.



• A **seminar** on “Startup Opportunities in Grid connected Solar Rooftop System” was arranged by Electrical Department in collaboration with PGVCL on 02/03/2024. The expert panel from PGVCL was formally welcomed. About 80 students and 12 faculty members participated in the seminar and benefited by it. The panel had an interactive discussion on the topic. They also explained the recent scheme of government "PM Muft Bijli Yojna" and how it can be an opportunity for a startup for the fresh engineering students. Shri T. M. Pandya (Ex-Engineer, PGVCL), Shri S. L. Patel (Ex-Engineer, PGVCL), Shri C. M. Parmar (D. E., PGVCL) along with their team were among the main panel members. Prof. J. B. Sarvaiya and Prof. A. K. Dhandhia coordinated the event.



- **Technical visit** for the students B.E. 6th Sem. Civil was organized and coordinated by Prof. N. P. Soni on 23/02/2024 at Lakhanka Dam at Sidsar - Budhel Road, Bhavnagar. Prof. Soni explained the salient features of the dam. Mr. Salim, Technical Assistant on dam site explained the functions of the Dam gates in different situations. He also explained the water distribution system to the farmers for irrigation. Total 54 students were present on the site visit.



- 29 Students and 2 faculties of Electrical Department visited Vibrant Gujarat Summit - 2024 on 12/01/2024. Prof. M. V. Gojiya and Prof. (Dr.) T. B. Maniar had accompanied the students.

- A technical visit to Bhavnagar Lignite Thermal Power Station, Padva, was organized on 16/04/2024 with a participation of 21 students and 3 faculties of Electrical Engineering Department. It was coordinated by Prof. M. D. Solanki. Mr. Shiv Parmar (JE, GSECL) coordinated on behalf of BLTPS, Padva. Students were accompanied by Prof. M. D. Solanki, Prof. V. B. Pandya and Prof. M. K. Bhatt from the Department.



- A technical visit of 25 students of Electrical Department along with faculty members was organized by the Electrical Department on 06/04/2024 at Sumitomo Chemical India Ltd., Bhavnagar. Students were accompanied by Prof. (Dr.) J. B. Sarvaiya and Prof. (Dr.) T. B. Maniar. The purpose of visit was to gain first hand insight into the operations of a leading chemical industry establishment and to understand its power system infrastructure. Department appreciated support from Mr. Vanraj Sinh Chavda for the warm welcome and comprehensive guidance throughout the tour as a representative of Sumitomo Chemical India Ltd., Bhavnagar.



- Mechanical Engineering Department arranged an Industrial visit at Om Engineering, Bhavnagar on 06/03/2024. Total 8 students had visited the industry. Prof. R. A. Mehta, Dr. B. D. Upadhyay and Dr. V. J. Pandya had accompanied the students.



- Mechanical Engineering Department had arranged Industrial visit at Krislur Castomech Pvt. Ltd., Bhavnagar on 14/04/2024. Total 8 students had visited the industry. Prof. R. A. Mehta and Prof. J. S. Dixit were the faculty coordinators during the visit.



Faculty Achievements

- Dr. G. P. Vadodaria was felicitated with the Eminent Engineer Award for the year 2024 by Association of Consulting Civil Engineers on ACCE(I) Foundation Day Ceremony.



- Prof. N. P. Soni delivered an expert lecture on Intellectual Property Rights at Shri Swaminarayan College of Computer Science, Bhavnagar on 06/04/2024.
- Prof. B. H. Solanki's patent is published on Triple Pendulum Damper on 20/02/2024.
- Prof. H. H. Maheta got the Best Sector Officer Award under Election Duty work for Bhavnagar Rural Area of Bhavnagar District on 25/01/2024 for the Year 2023.
- Prof. B. K. Borisaniya worked as a reviewer in 5th International Conference on Computing Science, Communication and Security (COMS2) organized by the Ganpat University, Gujarat, on 6-7th February, 2024.

- Prof. D.K. Katariya completed Ph.D. in Mathematics from Gujarat Technological University in February, 2024.
- Dr. D.N. Vaishnav delivered an expert talk on Interpersonal Skills at Government Arts College, Talaja under UDISHA Vocational Training Workshop Series on 13/01/2024.
- Dr. D.N. Vaishnav led cultural team of GTU as Team Manager to 37th National Youth Festival at Punjab Agricultural University, Ludhiana. Team GTU won 3rd rank in Debate, Elocution and Western Instrument Playing – Solo.



- Prof. H. H. Maheta became Winner in the game of Carrom at "VAMOS" – An Amusing Sports Tournament for the faculty and staff members of SSEC, held on 16/03/2024 at SSEC, Bhavnagar.
- Prof A. D. Meniya worked as Jury Member in - CodeRunn event of "Tech Kshitij-2024" – Technical Fest organized by Sir Bhavsinhji Polytechnic Institute, Bhavnagar. CodeRunn event dates were - 14/3/2024 to 16/3/2024.

Faculty Publications

Sr. No.	Name of the Faculty	Title of the Paper/ Article	Name of the Journal /Book	Month & Year
1	Dr. V. M. Patel	Flood Inundation Mapping and 2-D Hydrodynamic Modeling using GIS And HEC-RAS Technique: A Case Study of Machhu-II Reservoir	International Advanced Research Journal in Science, Engineering and Technology, Impact Factor 8.066 Peer-Reviewed & Refereed Journal, Vol. 11, Issue 4, ISSN (O) 2393-8021, ISSN (P) 2394-1588, DOI: 10.17148/IARJSET.2024.11435	April 2024
2	Dr. P. S. Ramanuj & Prof. M. H. Rathod	Temporal Analysis of Rainfall Runoff Models using HEC-HMS in Semi-arid Region: A Case of the Shetrunji River Sub-basin, India	International Advanced Research Journal in Science, Engineering and Technology, ISSN (O) 2393-8021, ISSN (P) 2394-1588	April 2024
3	Prof A. A. Pandya & Dr. A. K. Desai	Full Scale Field Study of Instrumented Under-Reamed Piles in Clay	Indian Geotechnical Journal, Online publication with DOI 10.1007/s40098-024-0981-y	March 2024

Sr. No.	Name of the Faculty	Title of the Paper/ Article	Name of the Journal /Book	Month & Year
4	Prof. Shilpa Patel	An Automatic Droop Controller for Minimization of Circulating Current and Load Sharing Error in Low Voltage Independent DC Microgrid	Indian Journal of Natural Sciences (IJONS) 0976-0997	Feb. 2024
5	Prof. N. S. Sanghani & Prof. B. K. Borisaniya	A Survey on Leveraging Blockchain for IoT Security	International Journal of Computing and Digital Systems 15.1 (2024): 371-391	Jan. 2024
6	Prof. H. H. Maheta, Prof. P. M. Chauhan, & Prof. C.H. Makwana	An Improved Feature Removal Approach for Classification of High Dimensional Feature Dataset	Journal of Electrical Systems, ISSN: 1112-5209, Volume: 20 Number :3, Scopus Indexed	May 2024
7	Prof. C. H. Makwana, Prof. H. H. Maheta, & Prof. P. M. Chauhan	Automated Segmentation of Brain Tumors in MRI: A Comprehensive Review of Deep Learning Approaches	Journal of Electrical Systems, ISSN: 1112-5209, Volume: 20 Number :7, Scopus Indexed	May 2024

Sr. No.	Name of the Faculty	Title of the Paper/ Article	Name of the Journal /Book	Month & Year
8	Prof. P. M. Chauhan, Prof. C. H. Makwana, & Prof. H. H. Maheta	Chili Disease Detection Using HOG with Euclidean Distance	Journal of Electrical Systems, ISSN: 1112-5209, Volume: 20 Number :3, Scopus Indexed	May 2024
9	Prof. P. M. Chauhan & Prof. D. B. Vaghela	A Detail Study of Sign Language Communication for Deaf-Mute to Normal Person	International Journal of Computing and Digital Systems 15.1 (2024): 189-206, ISSN (2210-142X)	Jan. 2024
10	Prof. C. H. Makwana, Prof. N. B. Nayak & Maheshwari Sagar	Brain Tumor Segmentation Using U-Net++ with dense connection	Multidisciplinary Science Journal, ISSN No.: 2675:1240, Volume 6 Issue 12 (2024), Scopus Indexed	June 2024
11	Prof. N. B. Nayak, Prof. C. H. Makwana, & Prof. K. V. Patel	A Comprehensive Review of Smart Blind Stick: Enhancing Independence and Safety for the Visually Impaired	International Journal of Intelligent Systems and Applications in Engineering, ISSN No.:2147-6799, Vol. 12 No. 21S (2024), Scopus Indexed	May 2024

Sr. No.	Name of the Faculty	Title of the Paper/ Article	Name of the Journal /Book	Month & Year
12	Prof. N. B. Nayak & Prof. K. V. Patel	Comparative Analysis of Weather Forecasting Using LSTM, BiLSTM, and CLSTM Networks	Journal of Electrical Systems, ISSN No.: 1112-5209, Vol.20 No.3 (2024), Scopus Indexed	May 2024
13	Prof. Disha D. Sanghani & Prof. Kinjal S. Raja	Speech Emotion Recognition Using Machine Learning	Educational Administration: Theory and Practice. 2024, 30 (6) (s), 118-124	May 2024
14	Prof. B. M. Daxini & Prof. A. G. Gajjar	Multi Organ Segmentation of Abominal Organs using Cascade Deep Learning Architecture	International Journal of Intelligent Systems and Applications in Engineering, Vol.12/issue 21S, 2147-6799	March 2024
15	Prof. Dr. B. D. Upadhyay	Structural Design Optimization using Gray Walt Optimizer	CRC Press- Journal- Challenges and Opportunities in Industrial and Mechanical Engineering	June 2024

Sr. No.	Name of the Faculty	Title of the Paper/ Article	Name of the Journal /Book	Month & Year
16	Prof. D. K. Katariya	Pricing and Ordering Strategy for New Product and Buyback Strategy for Used Product from Retailer's Point	International Journal of Operational Research, Volume 50, Issue 2, Page 148-169, UGC Care-II Scopus Indexed Journal	May 2024
17	Prof. D. K. Katariya	Retailer's Optimal Pricing and Replenishment Policy for New Product and Buy Back Policy for Used Product with Price and Time-Dependent Demand and Shortages	Journal of Statistics and Management System, Volume 27, Issue 3, Pages 681-701, UGC Care-II, WoS-ESCI-indexed Journal	March 2024

Faculty Trainings

Sr. No.	Name of the Faculty	Title of the Training	Name of the Organizing Institute	Date
1	Prof. D. H. Solanki	Tech to Transform: Advance Pedagogical Practices for Faculties of Technical Education	BVM, Vallabh Vidyanagar	17/06/24 28/06/24
2	Prof. A. B. Parmar	Industrial Training	Topline Switchgear Pvt. Ltd., Kalol, Gandhinagar	24/06/24 06/07/24
3	Prof. M. D. Solanki	Industrial Training	Shrinathji Electricals, Bhavnagar	17/06/24 29/06/24
4	Prof. J. B. Sarvaiya	Industrial Training	Shrinathji Electricals, Bhavnagar	17/06/24 29/06/24
5	Prof. T. B. Maniar	Leadership and Team Effectiveness	MOOC, IIT, Roorkee	22/01/24 12/04/24
6	Prof. T. B. Maniar	Industrial Training	Omega Elevators, Ahmedabad	24/06/24 06/07/24
8	Prof. S. K. Patel	Leadership and Team Effectiveness	MOOC, IIT, Roorkee	22/01/24 12/04/24

Sr. No.	Name of the Faculty	Title of the Training	Name of the Organizing Institute	Date
9	Prof. A. K. Dhandhia	Industrial Training	Shrinathji Electricals, Bhavnagar	17/06/24 29/06/24
10	Prof. M. V. Gojiya	Industrial Training	Shrinathji Electricals, Bhavnagar	17/06/24 29/06/24
11	Prof. M. K. Bhatt	Industrial Training	Shrinathji Electricals, Bhavnagar	17/06/24 29/06/24
12	Prof. M. U. Ghanchi	Industrial Training	Shrinathji Electricals, Bhavnagar	17/06/24 29/06/24
13	Prof. N. B. Nayak	Artificial Intelligence Applications in Modelling, Process Control and Optimization	Government Engineering College, Valsad	01/01/24 06/01/24
14	Dr. R. C. Patel	From Concept to Manuscript: A Deep Dive into Research Writing Techniques	CTE, Gandhinagar	24/06/24 29/06/24
15	Prof. Dr. P. V. Parekh	Industrial Training	Steelcast Ltd., Bhavnagar	17/06/24 29/06/24
16	Prof. Dr. B. D. Upadhyay	Industrial Training	Northern Alloys, Bhavnagar Ltd.	24/06/24 06/07/24

Sr. No.	Name of the Faculty	Title of the Training	Name of the Organizing Institute	Date
17	Prof. Dr. B. D. Upadhyay	Manufacturing Guidelines for Product Design	MOOC	22/01/24 15/03/24
18	Prof. Dr. B. D. Upadhyay	Effective Writing	MOOC	22/01/24 16/02/24
19	Prof. N. D. Jogadiya	Industrial Training	Steelcast Ltd., Bhavnagar	17/06/24 29/06/24
20	Prof. Dr. V. J. Pandya	Industrial Training	Northern Alloys, Bhavnagar Ltd.	24/06/24 06/07/24
21	Prof. D. J. Desai	Industrial Training	Northern Alloys, Bhavnagar Ltd.	June 2024

Students' Achievements

- One week training on Entrepreneurship Development for students was organized by EDII, Gandhinagar at L. R. Arts and P. R. Mehta Commerce College, Bhavnagar from 1/2/2024 to 6/2/2024. Two students Parmar Abhay and Vaghela Jatin from 6th semester, Civil Engineering Department participated in the training. By attending the training, students got the idea about entrepreneurship and learned how to develop the business model for the startup.



- Dip Rajeshbhai Sambhavani from 8th IT got All India Rank 267 in GATE-2024 exam and got admission in IIT Kharagpur in M. Tech.



- Ronak Satishbhai Bhoraniya from 6th IT got All India Rank 5017 in GATE-2024 exam.
- Vishvarajsinh Kalpendrakumar Dhummad from 6th IT got All India Rank 13569 in GATE-2024 exam.

- Moradiya Parthkumar Amrutbhai from 6th IT was selected as a Member of Parliament in Gujarat Youth Parliament in March 2024 and he also participated in 13th Yuva Chhatra Sansad at MIT, Pune.



- Parth Moradiya participated in West Zone youth festival representing GTU in the event of Debate and Elocution where his team won 1st rank in Debate and he secured 2nd position in Elocution. Parth got qualified for National Youth Festival.



- Dev Dharukiya was presented a certificate on completion of the Microsoft Learn Student Ambassadors Cloud Skills Challenge on Microsoft Azure Data Fundamentals.



- Vidhant Dhumdia got 3rd Rank in Design Engineering Project presentation on 28/02/2024 in IT Dept., SSEC, Bhavnagar.



- Zinzuvadiya Dev Kishorbhai got first rank in “Resume Build Up & Technical Mock Interview” at Department-level Event organized for 6th semester students on 03/02/2024, under the Techno-club of IT, Department.



- Nisarg Khasiya from 6th It, Ravi Singh from 6th and Harshil Pipavat from 8th Mechanical, participated in West Zone youth festival representing GTU in the event of Quiz where their team secured 3rd position and got qualified for National Youth Festival.



Training & Placement

Felicitation of Meritorious Graduates by Industrial Houses

As per the tradition started since the year 2016, on 19/04/2024, the institute hosted a graceful ceremony to felicitate top-2 meritorious students who graduated in the year 2023 from the institute in different branches of B.E. and M.E. The event was organized in collaboration with reputed Industries I&PCL, HiMak Limited-Vadodara, Milople and havi.co. These renowned industries felicitated meritorious graduates with gold and silver medals and certificates to the students who graduated with the highest marks in various disciplines.

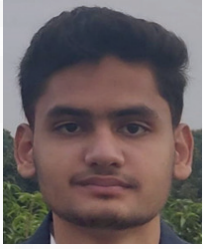




Dr. G. P. Vadodaria, the Principal of the institute, welcomed the representatives from the industries and thanked for their association with the institute over so many years. Dr. Vadodaria applauded their approach of patronizing, mentoring and encouraging the bright students of the institute. He congratulated the recipients for already having made a head-start in to their professional careers through on-campus and off-campus placement at various industries and institutes of repute.






Mr. Jainam Tamboli, the ED of Investment and Precision Castings Limited (I&PCL) encouraged the students present to develop multidisciplinary skills to suit the present day needs of industries. Mr. Nirav Shah and Ms. Charmi Sanghvi from Milople and Ms. Anusha Mehta, co-founder of havi.co congratulated the award winning students and wished them all the best for their professional career. Institute's Training & Placement cell coordinated the event.






Abridged List of Placed Candidates during Period of Jan-June 2024

Name of the Student	Branch	Pass-out Year	Name of the Organization	
Henil Chhipani	IT	2024	PlayPower Labs	
Bhammar Shaileshbhai Samatbhai	IT	2024	Evince Infotech	
Janasi Rajyaguru	IT	2024	Strats360 Technolabs LLP	
Jadav UttamKumar Nanjibhai	Civil	2024	Shafalya House Real estate Developer, Ahmedabad	
Solanki Pradipsinh	Civil	2024	Swastik Arcade Pvt. ltd.	

Name of the Student	Branch	Pass-out year	Name of the Organization	
Vaidya Bhumin Rakesh	Electrical	2024	Gokulanand Petrofibres, Vanz	
Kubavat Milan Dineshbhai	Mechanical	2024	Anup Engineering Ltd.	
Meet Prakashbhai Dabhi	Mechanical	2024	International Service Partener LLC.	
Sudhanshu Kumar	Mechanical	2024	Anup Engineering Limited	
Rajapara Jenish A	Mechanical	2024	Nextn Sheet Metal Solution	

Name of the Student	Branch	Pass-out year	Name of the Organization	
Bambhaniya Sagar Bholabhai	Mechanical	2024	Omni Tech., Rajkot	
Varaiya Mubin Mahammad Bhai	Mechanical	2024	Omni Tech Engineering Pvt. Ltd.	
Lodhari Nishtha Kamleshbhai	IT	2024	Bipin Agency Pvt. Ltd.	
Aayush Hirenabhai Nagariya	Mechanical	2024	Investment & Precision Castings Limited	
Thakkar Shashank	IT	2024	Karmaleen	

Name of the Student	Branch	Pass-out year	Name of the Organization	
Raj Bharatbhai Satani	IT	2024	Citrusbug Technolabs	
Mihirkumar Yoganandi	IT	2024	KBA Systems	
Sachapara Nil Vijaybhai	IT	2024	Junglee Games	

College Activities at a Glance

Educating Young Voters

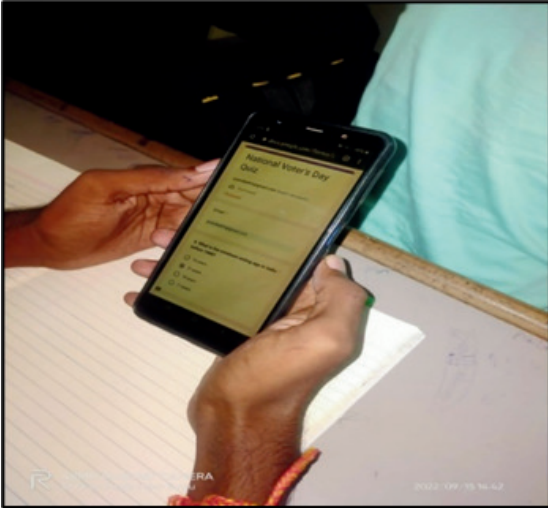
Under the Systematic Voter's Education and Electoral Participations (SVEEP) program and Voter Awareness Forum (VAF), various programs were organized periodically at the institute to create awareness for voting among the students of the age group of 18-19 and 20-29 years and the staff members for Lok Sabha/Vidhan Sabha or other elections as a celebration of democracy.

Under Systematic Voter's Education and Electoral Participations (SVEEP) and Voter Awareness Forum (VAF), officers of the underlying organization made efforts to ensure that names of employees, students and their family members are not missed in the voter list, for which special electoral roll revision campaign days for students were organized. They were also informed about various forms (Form-6, Form-6B, Form-7 and Form-8) and where to approach in case of any correction if required.

Different activities were organized at the institute level to create awareness among the students. Under this campaign, a poster making competition was organized at the college level. In this competition, students made various posters appealing for voting and displayed the posters.



The Institute organized a Quiz Competition for the students. Students were provided with various digital media viz., Voter Help Line application, to know about the Voter Portal and motivate to make maximum use of it.



Moreover, Tagline/Slogan/Sutras were prepared and recited to the students and the students were encouraged to vote and make maximum use of their democratic rights.

On National Voter's Day as well as during regular academic days at the institute, pledge taking programs were organized from time to time for the students and staff members of the institute to take a pledge to vote regularly during the election.



Guest Lecture “Mental Health & Stress Management at Work Place”

The institute organized a guest lecture on Mental Health and Stress Management at Work Place on 20/02/2024. Dr. Maitreyee Shashtri, MBBS and a practicing psychiatrist in Bhavnagar addressed staff members of the College discussing general symptoms and causes of different kinds of stress. Dr. Shashtri also discussed real life work place situations which generate anxiety and ultimately result into mental disturbance leading to various health related complains. At the end, she suggested a few behavioural changes to cope up with the stressful situations and also gave tips to get relief from such mental/physical health conditions. The session ended with questions from the staff members and Dr. Shashtri's responses helped them to solve their doubts about mental health and fitness. Around 50 staff members had participated in this event.



Expert Session “CPR – A Gift of Life”

Shantilal Shah Engineering College, Bhavnagar in collaboration with Rotary Club of Bhavnagar Vibrant organized an expert lecture on CPR Awareness and Training on 23/02/2024. Principal, Dr. G. P. Vadodaria formally welcomed all guests and shared his thoughts about various students' clubs and initiating a healthy campus through different activities. Dr. Shailesh Jepiwala, the speaker of the session, explained basic of functioning of heart, issues and reasons for cardiac problems, symptoms and precautions for heart related complains.

Dr. Jepiwala discussed difference between cardiac arrest and heart attack at length. He also shared a list of medicines which everybody should carry for situations of heart related emergency. Step by step procedure of CPR on power point slides followed by hands on practice on a manikin generated great interest in students. The session ended with questions from students and staff members. Dr. Jepiwala's responses and a few tips made audience realized that the knowledge of CPR can be a lifesaving skill at any point of medical emergency. At the end, Dr. Kashmiraben Kothari, shared different activities of Rotary Club of Bhavnagar Vibrant very briefly. Around 20 staff members and 75 students participated in this event. A team of representatives from Rotary Club of Bhavnagar Vibrant was also present throughout the talk.



Asmita: A Project on Empowering Daughters

A panel from Rotary Club of Bhavnagar was invited on 29/02/2024 for discussion and presentation on women empowerment. Under 'Project Asmita', (India's Biggest Daughter Empowerment Project), members of Rotary Club visited the Institute and spread awareness about crucial aspects of girl empowerment. This project was initiated by the Rotary Club of Bibwewadi in collaboration with CSR partner GTPL Hathway which is spread in five different states including Gujarat and with Rotary Club of Bhavnagar.

In phase 3 of this programme, the team aims to empower college going daughters. This project tries to cover most necessary fields pertaining to a girl's empowerment and overall growth.

Under the guidance of Rtn. Jasuben Pandya and Rtn.Dr. Neeraj Joshi along with Rotary members, Rotary anns and Rotractors, 60 daughters and 13 female staff members were given awareness.

First step was to create financial awareness among girls. With a view that the girls should know about shares, IPO, mutual funds, SIP and SWP schemes, a video was shown which was followed by question-and-answer session. They were also made aware about the dangers against fake financial traps.

Thereafter, the panel discussed issues of mental health, safety related problems and self defence mechanisms in dangerous situations. Another idea was to make them tech-savvy. So, with the details on AI, Digiyaatra, Digilocker and other such e-facilities, the team provided varied details about managing one's self in a better manner.

All topics were presented in visual form which was in Hindi and English. After each topic there was a quiz for participants and winners were rewarded.

Each participant in the audience was given:

- A handbook with all topics discussed.
- Branded paper spray.
- A bottle of multivitamin tablets (30 tablets).
- A whistle key chain.

The program ended with vigour amongst the girl students and awareness about modern day challenges.



An Expert Session “Awareness of Safety & Training”

An expert lecture on awareness of safety and its hands on training for the students on 11th March, 2024. Prof. M.S. Shah welcomed the speaker and his assistant from Agrocel Pvt. Ltd., Bhavnagar. Dr. Vishal Mulani, serves as the Health and Safety Head at Agrocel Pvt. Ltd. committed to advancing safety standards. He explained types of conditions where safety can be an issue and with what precautions, safety can be easily ensured. He also informed different safety measurements used in industrial workplaces and how across academic disciplines, everyone needs to follow those precautions – in domestic or industrial set ups. His examples from real life like e-bike and mobile related hazards generated interest in the students. Dr. Mulani responded questions and offered a few tips how things can function smoothly at work place. His tips made students realized that knowledge about safety measures is quintessential and can be life-saving in the situation of emergency. Dr. Mulani also showed safety related few equipment used in industries. Dr. Mulani with his one assistant gave a live demonstration in an open space regarding how to manage fire and in which manner it should be approached with proper safety measurements. A few students and security staff members also had hand on practice. At the end, Prof. Alpesh Pandya offered a formal vote of thanks and Dr. Mulani was offered with a memento as a token of gratitude by Dr. Anand Kalani. Around 05 staff members and 50 students participated in this event.





- 131 students and 10 staff members of this institute had visited Dholera SIR on 13/03/2024 to attend the ceremony of foundation stone of three semi-conductor facilities while 245 students and 63 faculty members attended the session by joining live streaming on honourable Prime Minister's Youtube's channel.



Expert Talk

“Opportunities in Management after Engineering”

We, aim at providing all-round knowledge to students. Teachers are committed to prepare profession ready candidates with their enthusiastic guidance and counselling. With this view, the institute hosted an expert talk on "Opportunities in Management after Engineering" on 19/03/2024. Students of B. E. semester-2 attended the session by Mr. Subhash Ghelani, a Chemical Engineer and a factory owner. Mr. Ghelani discussed various courses available to students after their study of Engineering, Management being one of the trending ones. He guided students about how to prepare for different entrance tests and also shared a few tips for successfully clearing these tests. Mr. Ghelani discussed what difference can management course make if it is well combined with any discipline of engineering. Different areas in Management course were discussed and students were made aware about relevance of these sub-branches of Management course. The session was followed by questions and answers. Students had a fruitful session with Mr. Ghelani with his pin pointed suggestions about future career options and making necessary preparations for their achievements. Around 125 students attended the session.



Finishing School

Finishing School aims at empowering students with various skill sets in addition to knowledge that makes them industry ready. Finishing school is an employability enhancement initiative taken by the Education Department, Government of Gujarat for imparting strategic training and development on student's skill to prepare them for professional set up. This training consists of 4 modules – Employability Skills, Life Skills and Functional English Skills. Professional trainers engage students for 80 hours for 20 days in all and interact with students through different activities and making the teaching modules more interesting. Dr. Chhaya Parekh and Mr. Smit Parekh were the trainers for this batch of Finishing School training. The training was held from 4th March to 5th April, 2024 for the students of B.E. semester 6 and M.E. Total 44 students participated from Civil, Electrical, and IT engineering. Students took online exams after completion of modules. At the end of the training, students were provided with the certificate approved by the Government of Gujarat.

It was observed that students were shy and silent in the beginning but it was evident that they got more involved, interactive and enthusiastic by the training session ended. The common feedback from the students was that the training is worth attending and preparing one's self for the challenges of the professional world.



Student Startup Innovation Policy

Seminar on Intellectual Property Rights

Institution's Innovation Council [IIC] and SSIP Cell of the institute, organized a seminar under patronage of honorable principal Dr. G. P. Vadodaria on "Intellectual Property Rights" on 28/02/2024. Prof. N. P. Soni conducted the session and shared his expertise with over 49 UG students of 2nd/3rd year. The interactive session involved engaging discussion on Intellectual Property Rights. The session also featured an explanation of the fundamental guidance of filing the patent. Attendees were benefited by interesting queries and their contemporary solutions.

Seminar on Traits of a Successful Entrepreneur

Institution's Innovation Council [IIC] & SSIP Cell of this college, organized a seminar on "Let's check: Can You Become an Entrepreneur? – Traits of a Successful Entrepreneur" on 19/02/2024. Dr. A. D. Kalani, OIC, ED-CELL conducted the session and shared his expertise with over 149 UG/PG students of 2nd/3rd year. The interactive session involved engaging discussion on key traits of present-day successful entrepreneurs. The session also featured a curated psychometric test (General Enterprising Tendency Test - GETT) to identify if candidates possess entrepreneurial traits. Attendees were benefited by interesting queries and their contemporary solutions.



Seminar on Industrial Design

Under SSIP 2.0 and Institute Innovation Council (IIC) of the institute organized a seminar on “Industrial Design: A Case Study” on 05/02/2024. Prof. N. P. Soni conducted the session and shared his expertise with over 38 UG students of 2nd/3rd year. The interactive session involved engaging discussion on Industrial Design. Students were made aware regarding the Design Filing procedures. The session also featured an explanation of the fundamental guidance of filing the patent. Attendees were benefited by interesting queries and their contemporary solutions.

Seminar on Journey to Startup

Institution’s Innovation Council [IIC] and SSIP Cell of this institute organized a seminar on “Journey to Startup: Pented Learning” on 14/03/2024. Mr. Abbas Meghani, Founder and Director of Pented Learning, Bhavnagar shared the journey of his startup. He explained the various phases of the start-up along with the different funding agencies for the incubation of the startup and development of the startup. Prof. N. P. Soni coordinated the event. Total 131 UG and PG students of 2nd/3rd year participated. The interactive session involved engaging discussion on startup ideas and seed funding. The session also covered an explanation of the fundamental guidance of startup. Attendees were benefited from interesting queries and their contemporary solutions.



Industry-Institute Linkage Cell

Summary of active MoUs

Sr. No.	Company/Organization	Sr. No.	Company/Organization
1	OM Engineering	17	ACDC Powercare Pvt. Ltd.
2	Swastik CAD/CAM	18	Shrinathji Electricals
3	Shubh Engineering	19	INSCALE DESIGN
4	Sujit Mechanical Works	20	Radikale Engineering Pvt. Ltd.
5	Yogi Corporation	21	CII (Yi)
6	Agrocel Industries Pvt. Ltd.	22	Edunet (Microsoft SAP)
7	Herald Group	23	Bureau of Indian Standards (BIS)
8	Northern Alloys Bhavnagar Limited	24	ElMech Technologies Pvt. Ltd.
9	Venture Centre, Pune	25	Trishunya Consultancy & Infrastructure Pvt. Ltd.
10	Lokbharati University for Rural Innovation	26	Tensor Design
11	Azzip Tech	27	SARK EPC Projects Pvt. Ltd.
12	Havi.co	28	Apoorva Parikh Consultant MEPF
13	Milople Technologies Pvt. Ltd.	29	Zoroim IPSystems Pvt. Ltd. DBA-Floatbot
14	Jnext Services Pvt. Ltd.	30	Sparrow SofTech
15	Ayelite Technologies Pvt. Ltd.	31	GP Mangalani Food Pvt. Ltd.
16	NITSAN	32	ISP Global Consulting Pvt. Ltd.

• Orientation Program of B.E. Semester 1 was organized on 27/06/2024. Principal, Dr. G.P. Vadodaria and other staff members warmly welcomed all the students and parents. The audience was made aware of different activities of the college – academic and extra/co-curricular. They were also taken to different departments and laboratories to make them familiar with the institution.



NSS Activities

Road Safety Week Celebration

On 19/01/2024, the NSS Unit of this college collaborated with the Bhavnagar City Road Transport Department to conduct a road safety awareness workshop. Officers from the RTO department emphasized the value of Good Samaritan. Prof. N. P. Soni spoke to the students on measures to be taken regarding road safety while driving a vehicle and the role of youth in promoting road safety. Prof. P. H. Lakhani and Dr. Nital Nirmal had planned the event. In total, 62 students took part in the event.



Celebration of Republic Day – 2024

26/01/2024 was commemorated at our institute with great enthusiasm. The day commenced with the flag hoisting by the Principal, Dr. M.G. Bhatt, followed by his address to the staff members. He spoke eloquently about the sacrifices of freedom fighters and urged everyone to strive towards building an inclusive and equitable society where every individual can succeed and fulfill their potential. Dr. Bhatt emphasized the need for fostering peace, harmony, and unity among all communities to strengthen our nation. College magazine was also unveiled on this day. Magazine comprises of activities of last six months.

Thalassemia Testing Camp

NSS Unit of SSEC and the Indian Red Cross Society collaborated to organize a Thalassemia Testing Camp on 21/03/2024, at our institute. The primary objective of the camp was to raise awareness about Thalassemia, a genetic disorder that affects the production of haemoglobin, essential for oxygen transport in red blood cells. Total 206 students participated in the Thalassemia test. Additionally, informative banners were prominently displayed in the Campus to educate and create awareness about Thalassemia among students and visitors. Staff from the Indian Red Cross Society also actively engaged with participants, explaining the importance and necessity of undergoing the Thalassemia test for early detection and management of this disorder. The initiative received positive participation and support from the college community, contributing to greater awareness and health education among students.



Voter Awareness Program

Mamlatdar of Bhavnagar Rural organized a voter awareness program at our institute. The program aimed to empower students with knowledge about electoral processes and encourage them to become responsible voters. It educates students about the significance of voting as a fundamental right and civic duty, providing information on voter registration procedures and electoral processes to actively engage them in the electoral process and exercise their voting rights.

The voter awareness program was led by the NSS Unit and the Mamlatdar Office (Bhavnagar Rural) on 05/04/2024. Shri B. N. Beldar (Mamlatdar, Bhavnagar Rural) and Shri Ramnik Bhatt (Deputy Mamlatdar, Bhavnagar Rural) encouraged students by providing educational resources and promoting active participation in various activities such as pledge-taking ceremonies, taking selfies at designated points, and participating in signature campaigns for voting in upcoming elections.

The establishment of a selfie point within the college campus as part of the voter awareness initiative exemplified a creative approach to engaging young voters in the democratic process. Positioned strategically and adorned with vibrant electoral symbols, this innovative concept seamlessly merged the allure of social media with the importance of civic duty. Beyond merely providing a picturesque backdrop for photos, the selfie point became a symbol of empowerment and active citizenship, encouraging students to capture moments of civic participation.

A pledge-taking ceremony was organized with solemnity and enthusiasm, where Dr. P. H. Lakhani (NSS PO) explained the significance of voting. Gathered in a spirit of unity and civic duty, students and staff members assembled to reaffirm their commitment to the democratic process. Against a backdrop adorned with national symbols and electoral motifs, participants stood together, their hands raised in solidarity as they recited the pledge to exercise their right to vote responsibly and conscientiously.

A signature campaign was initiated among college youth to garner support for voting in the upcoming election, igniting a spirit of civic responsibility and democratic engagement on campus. Set against the backdrop college corridors, students eagerly added their signatures to pledge their commitment to participate in the electoral process. Each signature represented not just an individual's intent to vote but also a collective affirmation of the power of youth voices in shaping the future.

This program emerged as a commendable initiative in nurturing informed and engaged citizens among the student community. Sustaining such initiatives and fostering a culture of civic engagement will be essential for building a vibrant and inclusive democracy.





Pledge taking for Sustainability & Environment friendly Future – 10/01/2024



Pranshu Rajyaguru marked achievement up to State level in Elocution Competition organized by NSS Unit & Save Culture, Save Bharat Foundation



Voluntary Blood Donation Camp by NSS Unit on 06/03/2024



GTU organized स्वावलंबी भारत अभियान

Extra/Co-curricular Activities

- The institute published college magazine of July-December, 2023 on 26/01/2024.



- Pranshu Rajyaguru from 2nd Electrical, won consolation prize at Lt. Shri Savjibhai Lavani Elocution Competition, held at Palitana, Bhavnagar.
- Pranshu Rajyaguru from 2nd Electrical, performed meritoriously in an elocution competition organized by NSS and Save Culture, Save Bharat Foundation, Gujarat. He won 1st rank at Institution level, then achieved 2nd rank at university level at MKBU, Bhavnagar University, Bhavnagar and got consolation prize at State level competition at Gujarat University, Ahmedabad. He won cash prize and trophy at all levels of his achievement.





Parth Moradiya from 6th IT won 1st rank in State level Inter College Elocution Competition organized by GTU.



Parth Moradiya from 6th IT was selected as Youth Member of Parliament in Gujarat Youth Parliament organized by the Government of Gujarat.

- Students of this institute were participants of cultural team of the Gujarat Technological University for Inter University Youth Festival. Team GTU had participated in 37th Inter University West Zone Youth Festival during 21-26 January, 2024 at Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra.

Our students in Team GTU secured:

- 1st position in Debate - Parth Moradiya
- 2nd position in Elocution - Parth Moradiya
- 3rd position in Quiz – Harshil Pipavat, Nisarg Khasiya and Ravi Singh



GTU also secured 4th rank in Folk dance (5 students out of 10 were from SSEC) and 5th position in Indian Group Song. Total 11 students (Nisarg Khasiya, Ravi Singh, Harshil Pipavat, Parth Moradiya, Yatri Joshi, Shruti Pandya, Vishw Dabhi, Kashyap Dave, Hardik Rathod, Viraj Patel, & Pushan Alagiya) of our college were part of GTU team representing events like folk dance, folk orchestra, literary and fine arts events.

Team of 6 students represented GTU in 4 events at 37th Inter University National Youth Festival at Punjab Agricultural University, Ludhiana, Punjab during 28 March-1 April, 2024. From the team of GTU, 4 out of 6 students were from our college.

Parth Mordiya, student of 6th sem. IT, represented GTU in National Youth Festival in Debate and Elocution at Ludhiana and secured 3rd position in both the events at National level. Team of Quiz competition was also shortlisted for Nationals. Nisarg Khasiya (6th IT), Harshil Pipavat (8th Mech.), and Ravi Singh (6th Mech.) were part of this team. Dr. Dhvani Vaishnav was one of the team managers with the team of GTU at National Youth Festival.



Excel Expression – 2023

Our college won 9 prizes in total 7 events in Excel Expression competition, an annual event comprising cultural and technical events for the students of Bhavnagar district. This event is being organized since 25 years by the Excel Crop Care Ltd. (now Sumitomo Chemical India Ltd.), Bhavnagar to give opportunities to the students of Bhavnagar for skill and personality development.

We secured

- 1st position in Science & Technology (Team Civil) – Raaj Vyas, Viraj Patel, Chhatrapalsinh Dodiya, Ishrat Jahan Sheikh, Axit Hirpara
- 2nd position in Innovative Business Idea – Vishwa Patel, 7th IT
- 2nd position in Radio Jockey – Parth Mordiya, 5th IT
- 2nd position in On the Spot Painting – Pushan Alagiya, 7th IT
- 2nd position in Science & Technology (Team IT) – Hiren Chavda, Parth Moradiya, Nilesh Chavda, Vishwa Patel, Deep Mungala
- 2nd position in News Reading – Pushti Bhatti, 3rd IT
- 3rd position in Karaoke Singing – Snehal Yagnik, 7th Civil
- 3rd position in On the Spot Painting – Nilesh Chavda, 5th IT
- Consolation Prize in Folk Dance – Tamanna Bambhaniya, Khushbu Patel, Yatri Joshi, Vishwa Patel, Shruti Pandya, Hemal Dholakiya, Kashyap Dave, Hardik Rathod, Chirag Ramchandani, Vishw Dabhi

Our college became **overall Runners up.**



Sports Activities

- Divyarajsinh Gohil, student of 6th Civil, secured 13th rank in Judo (top 20 get qualified) at West-South Zone and he was selected to play at All India University Championship at Amritsar, Punjab.
- The sports committee of SSGEC, organised a faculty indoor sports competition “Vamos” on 16/03/2024 in which more than 60 faculty members of the institute participated in various events of Table-Tennis, Carom and Chess.

Dr. Vishal Pandya (Mech.) and Prof. H. H. Maheta won championship in various events.

On this specially occasion, Shri B. N. Upadhyay-IAS; Commissioner of Bhavnagar remained present to felicitate the participants. He appreciated the event and conveyed the importance of sports in workplace and explained how sports can improve physical and mental health of employees but also explained how it helps in bringing harmony and unity in workplace.

The event was conceptualized by principal Prof. G. P. Vadodaria while Dr. Devang Rangani, Dr. Hem Bhatt, Dr. Vishal Pandya and Prof. B. M. Daxini coordinated the event.



Creative Corner



Mahendi art by
Hetvi Solanki – 8 IT

Digital Art made by
Mr. Mukesh Gohil, an alumnus
of IT branch of SSEC. This
design has been selected as the
mascot for the Ahmedabad
Zone Youth Festival and
features on the banner and
trophy of the Youth Festival of
GTU.



Messages from Alumni



**Thakar
Lalitkrushna J.**

At SSEC, we got great faculty and facility. I strongly believe in making fundamentals clear and strong at first step of learning. That first step for me is SSEC. SSEC is the place where I learnt how to use various instruments, computer networks, communication systems. This helped me in shaping my carrier at ISRO. I give full credit to SSEC family for where I am. At SSEC we learnt how to help each other, how to do team building. “Together we Can !!!” I am proud to be part of SSEC family and alumni. I thank SSEC for giving me opportunity to share my thoughts with young generation. All the best young minds of SSEC.

Designation:
Scientist-Engineer-
SG, Head Data
Handling Division
Institution: ISRO
Branch: EC,
1998-2001

Career and Progress at URSC, ISRO, Bangalore:

- 1) Joined ISRO as scientist - SC in 2004
- 2) Section Head, Data Handling Section-2, Data Handling Division 2017-2023
- 3) Division Head, Data Handling Division 2024
- 4) DPD- NISAR, DPD-Gaganyaan, DPD-GISAT

Major Accomplishments:

- 1) Conferred for “The Young Scientists Merit Awards” for year 2011.
- 2) Received “ASI-ISRO Team Achievement Award” for “Development of 2 GBR Base Band Data Handling System and Solid State Recorder”.
- 3) Published 9 technical papers in various National and International IEEE conferences.
- 4) Published 2 technical paper in International Journal.
- 5) Two developments are recognized as Technology innovation at ISRO.
- 6) Delivered and successfully flown BDH system for more than 10 Satellites.



Chinmay Nagar

Designation: Major

Institution: Indian Army

Branch: Mechanical, 2005-2009

Dear Students,

As I write here, I am filled with immense gratitude and pride, reflecting on my journey from the classrooms of this esteemed institution to serving in the Armed Forces. My years at Shantilal Shah Engg. College were truly transformative, equipping me with the knowledge, skills, and resilience necessary to navigate the complexities of life and career, especially in the military.

I remember spending time on the Main Building Paali (पाली), filled with dreams and aspirations to excel in all phases of life. The dedicated faculty, enriching curriculum and vibrant campus life here provided a foundation that was not only academic but also personal.

The organisational skills which I imbibed while organising various cultural and technical events during the span of four years have been the most personality enriching process. The challenges I faced were many, but each one was a stepping stone, a lesson that prepared me for the future.

To the current students, I want to share a few thoughts that might guide you on your journey, particularly if you are considering a career in the Armed Forces:

- Embrace Challenges
- Stay Curious and Keep Learning
- Build Strong Relationships
- Believe in Yourself
- Commit to Service

Thank you, Shantilal Shah Engg. College, my alma mater, for being the bedrock of my success. To the students, I wish you all the best. Dream big, work hard, and stay passionate. The world is yours to conquer.

With heartfelt gratitude,
Jai Hind!

Committee Members

Guided by

Principal
Dr. G. P. Vadodariya

Editors

Prof. A. A. Pandya
Dr. D. N. Vaishnav

Designed by

Raaj Vyas (Civil)

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& Engineers are its pulse...**



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