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Biannual Pulse

The Newsletter



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 members of SSEC family - students, faculty and staff,

Greetings!

To change proactively is essential to keep pace with the changing education system and performing better. It is rightly said “you must manage the change; else, the change will manage you”! As part of such efforts, the campus remained busy and vibrant with a lot of activities in this period. Teachers guided, mentored and nurtured, while students teamed, performed and learnt; and everyone enjoyed!! The students were awarded and complimented for their excellent performance.

A teacher continues to learn and mature by playing various roles: as a teacher and mentor, counselor and advisor, coach and referee; which are essential to shape a student as a responsible professional and citizen. Variety of programs, events and activities help students and teachers to develop themselves and the institute, and subsequently create an attitude of lifelong learning. Learning is always satisfying, confidence boosting and fulfilling. It comes from everything we do, read, listen-provided we intend to. One must keep advancing in the area of one’s interest.

Continuous improvement is another initiative which can help to build a strong progressive attitude. Recall the Deming Cycle!! Japanese corporations achieved their spectacular success by following this philosophy after Second World War. Small improvements by everyone may bring better results than a few making big contribution, and everybody is surely capable to contribute a bit and more. Let’s progress collectively.

Students are fast learners, bold, full of creativity and enthusiasm. They may definitely perform better and best given the right information, direction and mentoring. Let’s work for this with more vigor!

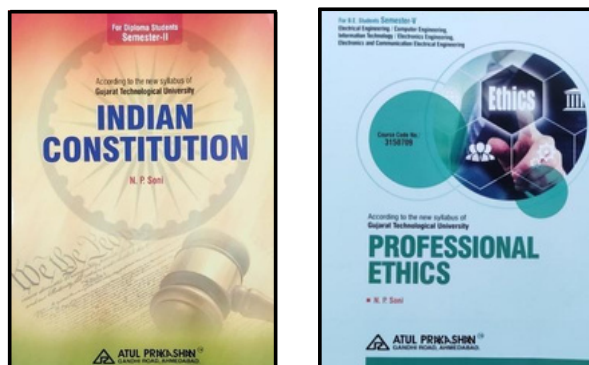
To conclude with: “The only thing that interferes with my learning is my education”
- Albert Einstein.

Best wishes!

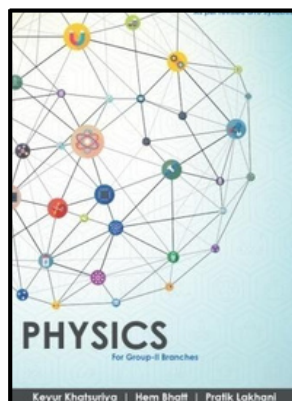
- Dr. M. G. Bhatt

Faculty Activities/Achievements

- 2 books titled "Indian Constitution" for Diploma Semester 2 (all branches) and "Professional Ethics" for BE Semester 5 Electrical, Computer, Information and Technology, Instrumentation and Control branches were published by Prof. N. P. Soni.



- Prof. K G Khatsuriya, Dr. Hem Bhatt, Prof. P H Lakhani, published a book PHYSICS for Group-II Branches under Pratik Publication in February, 2022.



- Dr. Ashok Parmar has delivered expert talks on "Electrical Transmission Line Protection" on 2nd March, 2022 at Sir BPTI, Bhavnagar in online mode.
- Prof. B.K. Borisaniya was invited as a speaker at a webinar on Reward Mechanism in PoW based/Blockchain at ATAL FDP on Security in Blockchain and Cyber-Physical Systems Design organized by GEC, Rajkot on 18/01/2022.

- Prof. B.K. Borisaniya was one of the speakers at a webinar on Security Concerns Regarding Cloud and Virtualization at FDP on Recent Trends and Future Directions in Information Security organized by LDCE, Ahmedabad on 22/03/2022.
- Dr. Devang Rangani delivered an Expert Lecture at GEC-Gandhinagar on Business Letters under Writing Skills in Online mode 01/06/2022.
- Dr. D N Vaishnav presented a paper titled “Endangered Lives through Ecofeminist Reading” at 24th International Conference on “Environmental Humanities: Living in Critical Zones” organized by Forum on Contemporary Theory, Baroda in collaboration with International Lincoln Center for American Studies, Louisiana State University in Shreveport, USA on 24-26 February 2022 at International Center Goa, Dauna Paula, Goa.
- Innovative teaching sessions were conducted by Dr. D.N. Vaishnav for semester-2 students during laboratory sessions of English subject. Students were taken outside the class and were taught under the tree and also in open surrounding for another session. They were given topics for group discussion and had practical exercise at the end of the sessions.



- Dr. Devang Rangani secured Championship KMK-2021 at District level in Men’s Doubles and Runners up in Men’s Open singles in January 2022.
- Dr. Devang Rangani secured 5th rank in Gujarat state in the sport of Lawn Tennis Sports (AICS) and played National tournament (AICS) at Chandigarh in March 2022.
- Dr. Devang Rangani won Championship at IGP Tennis League (Open Bhavnagar Tennis Tournament) in 35+ Category in July 2022.

Faculty Publications

Sr No	Name of Faculty	Title of the Paper/Article	Name of Journal/Book	Month & Year
1	Dr. V. M. Patel	Comparison of Two Open-source Digital Elevation Models for 1D Hydrodynamic Flow Analysis: A Case of Ozat River Basin, Gujarat, India	International Journal for Modeling Earth Systems and Environment (MESE) (UGC CARE)	May, 2022
2	Dr. V. M. Patel	Identification of Groundwater Contamination using MODFLOW: A Case Study of Chhatral Area, Gandhinagar, Gujarat, India	International Journal for Research in Applied Science & Engineering Technology (UGC CARE)	April, 2022
3	Dr. V. M. Patel	Evaluating Socioeconomic Impacts for Micro-watersheds of Sabarkantha and Aravalli Districts of Gujarat, India	International Journal of Innovative Science and Research Technology	March, 2022
4	Dr. V. M. Patel	Evaluating the Changes in Soil Erosion for Micro-watersheds of Sabarkantha and Aravalli Districts of Gujarat, India	International Journal Applied Ecology and Environmental Sciences (UGC CARE JOURNAL)	March, 2022
5	Prof. H. M. Gandhi	Forecasting Meteorological Parameters to Identify Categories of Droughts in Amreli Using Downscaling Approach.	International Journal for Research in Applied Science & Engineering Technology	April, 2022
6	Prof. M. K. Chudasama	FAO-CROPWAT 8.0 Used for Analysis of Water Requirements and Irrigation Schedule in the Kutch Region of Gujarat	International Journal for Research in Applied Science & Engineering Technology (UGC CARE)	April, 2022
7	Prof. N. P. Soni	Modeling of Saline Water Intrusion using MODFLOW in Una Coastal Aquifer of Gujarat, India	International Journal for Research in Applied Science & Engineering Technology (UGC CARE)	April, 2022

Sr No	Name of Faculty	Title of the Paper/Article	Name of Journal/Book	Month & Year
8	Prof. N. M. Joshipura	Analytical Study of TDS and Sulphate Concentration in Ground Water: A Case Study of Vatva Region of Ahmedabad District, Gujarat	International Journal for Research in Applied Science & Engineering Technology (UGC CARE)	April, 2022
9	Prof. Mehul Jajal	A Novel Machine Learning Based Framework to Detect DDoS attack in SDN.	GIS Science/Journal	April, 2022
10	Prof. Khyati Chavda	Development of Reconfigurable Band Stop Filter using Metamaterial for WLAN Application.	2022 Photonics & Electromagnetics Research Symposium (PIERS)	April, 2022
11	Prof. A. U. Chhaya	Development of Reconfigurable Dual Band Microstrip Patch Antenna for WLAN Application	GIS Science Journal	June, 2022
12	Dr. Milind Shah	Depression Detection System: A systematic Review	Journal of Education	June, 2022
13	Prof. Sandip S. Chauhan	Leveraging Block Chain for Ensuring Trust in IoT in Health Care	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	April, 2022
14	Dr. Bhavesh K. Borisaniya	Pay-Per-Byte for Block Reward: A Revised Incentive Mechanism in Bitcoin	International Conference on Security, Privacy and Data Analytics (ISPDA-2021)	April, 2022
15	Dr. Bhavesh K. Borisaniya	ShoutIMEI: Ultrasound Covert Channel-Based Attack in Android	International Conference on Security, Privacy and Data Analytics (ISPDA-2021)	April, 2022

Sr No	Name of Faculty	Title of the Paper/Article	Name of Journal/Book	Month & Year
16	Prof. Arvind D. Meniya	A Review on Machine Learning Methods for Credit Card Fraud Classification	International Conference on Artificial Intelligence and Smart System (Publisher: IEEE)	Feb, 2022
17	Dr. Devang Rangani (English)	Analysing E-Learning as a Tool for Teaching during the COVID-19 Pandemic	ELT Voices- International Peer Reviewed Online Journal	May, 2022
18	Dr. D N Vaishnav (English)	When April Was Enchanting, Not Cruel: Travel by Women in 1922	Article in Book: Reflections on Hundred Years of High Modernism	March, 2022

Faculty Trainings

Sr No	Name of Faculty	Title of the Training	Name of Organizing Institute	Date
Online/MOOC Mode				
1	Prof. H. K. Sarvaiya	Expansive Soil	Indian Institute of Technology, Guwahati under NPTEL	24/1/22-18/3/22
2	Prof. H. K. Sarvaiya	Concrete Technology	Indian Institute of Technology, Delhi under NPTEL	24/1/22-15/4/22
3	Prof. B N Vaidya	Applications of AI techniques in Electrical Machines and Power System	Vishwakarma Government Engineering College, Ahmedabad	27/6/22-1/7/22
4	Prof. A M Upadhyay	Applications of AI techniques in Electrical Machines and Power System	Vishwakarma Government Engineering College, Ahmedabad	27/6/22-1/7/22
5	Prof. V B Pandya	Effective Engineering Teaching in Practice	MOOC, IIT, Madras	24/1/22-18/2/22
6	Prof. T.B. Maniar	Effective Engineering Teaching in Practice	MOOC, IIT, Madras	24/1/22-18/2/22
7	Prof. S K Patel	Induction Phase, II	NITTTR, Bhopal	27/6/22-1/7/22
8	Prof. A.K. Dhandhia	Applications of AI techniques in Electrical Machines and Power System	Vishwakarma Government Engineering College, Ahmedabad	27/6/22-1/7/22
9	Prof. Khyati Chavda	Lab Experiments, Development in Electrical and Electronics Engineering for Outcome-based Education	NITTTR, Bhopal	23/5/22-27/5/22

Sr No	Name of Faculty	Title of the Training	Name of Organizing Institute	Date
Online/MOOC Mode				
10	Prof. B. S. Joshi	Industrial IOT and Robotics	Govt. Polytechnic, Ahmedabad	2/6/22-24/6/22
11	Prof. Devang Jani	Industrial IOT and Robotics	Govt. Polytechnic, Ahmedabad	20/6/22-24/6/22
12	Prof. Nishant S. Sanghani	Security in Blockchain & Cyber Physical System Design	Government Engineering College, Rajkot	17/1/22-21/1/22
13	Dr. Dinesh Kumar B. Vaghela	Introduction to Internet of Things	IIT, Kharagpur	26/7/22-15/10/22
14	Prof. Bhavesh K Borisaniya	IR 4.0 Technology - Cloud Computing	VGEC, Chandkheda under Tec Saksham Program	28/3/22-1/4/22
15	Mr. Shardulkumar J. Agravat	Medical Image Analysis	IIT, Kharagpur (on NPTEL)	21/2/22-18/3/22
16	Prof. Hardik H. Maheta	Computer Vision and Image Processing: Fundamentals and Applications	IIT, Guwahati	24/1/22-15/4/22
17	Prof. Krunal V. Patel	Induction Program Phase – II	NITTTR, Bhopal	31/1/22-11/2/22
18	Prof. Paresh M. Chauhan	Computer Vision and Image Processing: Fundamentals and Application	IIT, Guwahati	24/1/22-15/4/22
19	Prof. Nikunj Kumar B. Nayak	Induction Program Phase – II	NITTTR, Bhopal	31/1/22-11/2/22

Sr No	Name of Faculty	Title of the Training	Name of Organizing Institute	Date
Online/MOOC Mode				
20	Prof. M R Dave	Trends in Industrial Automation: Refreshing Past and Focusing Future	GEC, Gandhinagar	13/6/22-24/6/22
21	Dr. Priyank Vinodray Parekh	Production and Operations Management	IIT-Roorkee	24/1/22-15/4/22
22	Prof. V N Kalola	Effective Engineering Teaching in Practice	IIT Madras	24/1/22-18/2/22
23	Prof. M. J. Vora	CNC Part Programming	NITTTR BHOPAL	6/6/22-10/6/22
24	Prof. K. P. Patel	CNC Part Programming	NITTTR BHOPAL	6/6/22-10/6/22
25	Dr. D.N. Vaishnav (English)	Effective Writing	NPTEL	24/1/22-18/2/22

Students Achievements

DISSERTATION M E Semester-4 Batch: 2020-22

Sr No	Name of Student	Title of the Thesis	Faculty Guide
CIVIL ENGINEERING			
1	Gamit Falgunikumari M	Calculation of Net Irrigation Requirement for Agriculture Area	Prof. K. B. Gohi
2	Jadeja Poojaba S	Simulation & Optimisation for Water Requirements of Crop in Arid Region (Kachchh)	Prof. M. K. Chudasama
3	Soni Sweta D	Identification of Groundwater Contamination by MODFLOW and MT3DMS - A Case Study of Chhatral, Gandhinagar	Prof. V. M. Patel
4	Timaniya Aman J	Simulation and Modeling of Seawater Intrusion Mahuva-Una Coastal Aquifer Gujarat, India.	Prof. N. P.Soni
5	Rathod Snehal B	Assessment of Flood Inundation of River Basin using GIS and HEC-RAS	Prof. K. R. Mayani
6	Zadafiya Gautam H	Analysis & Forecasting of Metrological Parameters using Downscaling Technique.	Prof. H. M. Gandhi
7	Gajjar Harshivkumar R	Ground Water Pollution due to Heavy Disposal of Faulty Water from Industrial Area of Ahmedabad	Prof. N. M. Joshipura
8	Vasoya Kamal N	Competency Study and Analysis of Core Section of Zoned type Earthen Dam Against the Seepage by Utilising Smear Effect	Prof. N. P. Soni
9	Parmar Girish	Rainfall-runoff Modelling using Neural Network- A Case Study of Banas River Catchment	Prof. P. S. Ramanuj
10	Pratik Khakhar	Scour Around the Twin Compound Pier Founded in Non-Uniform Sediment	Prof. N. D. Acharya

Sr No	Name of Student	Title of the Thesis	Faculty Guide
ELECTRICAL ENGINEERING			
11	Dattani Pranay	Performance Analysis of Solar Panel Under Partial Shading Condition	Prof. M. K. Bhatt
12	Patel Parth	Electric Spring: to Mitigate Voltage and Frequency Fluctuations Across Critical Loads	Prof. M. D. Solanki
13	Dixit Rahul	Proposal of a Novel Health Index of the Transformers	Prof. K. P. Badgujar
14	Champanery Maulin	Optimal Allocation of Distributed Resources Across Distributed Network Considering Multi Objective Function	Prof. J. B. Sarvaiya
15	Patel Gunjav	Torque Ripple Reduction of Bldc Motor Using Fuzzy Logic Control	Prof. S. K. Patel
16	Patel DhruvilKumar	Flexible Capacity Procurement by Redesigning Capacity Market Under Increased Trend of Renewable Penetration	Prof. A. B. Parmar
17	Bhatt Sneha	Minimization of Mismatch Losses in Solar Photovoltaic Plants Using Module Sorting and Reconfiguration	Prof. A. M. Upadhyay
18	Dihora Parth	Modeling of Battery Management System Using Active Cell Balancing in Electric Vehicle	Prof. M. U. Ghanchi
19	Chauhan Shreya	Design Ac - Dc Converter for Charging of Electric Vehicle With Reactive Power Compensation	Prof. M. V. Gojiya
20	Patel Deep	Analysis of Islanding Detection Method for 3-phase Grid Connected Pv System	Prof. B. N. Vaidya
21	Contractor Yash	Adaptive Control Approach to Control Tip Speed Ratio of Wind Turbine Generator	Prof. A. A. Rathod

Sr No	Name of Student	Title of the Thesis	Faculty Guide
EC ENGINEERING			
22	Khushboo Kumari	Design & Simulation of S-band frequency tuned beamforming array antenna for wireless application.	Prof. M. P. Patel
23	Jayesh Gohil	A novel DDOS attack detection scheme for SDN	Prof. M. A. Jajal
24	Kruti Raval	Development of reconfigurable microstrip patch antenna for WLAN application	Prof. A. U. Chhaya
IT ENGINEERING			
25	Dadhania Dhruvi Rajeshkumar	Approach to predict cardiovascular disease using Machine Learning	Prof. Krunal Patel
26	Gandhi Yesha Jayeshbhai	Leveraging block chain for ensuring trust in IoT in Healthcare	Prof. Sandip Chauhan
27	Akashkumar Rajendrabhai Patel	DDoS Detection and Prevention at Fog Layer in Internet of Things	Dr. Bhavesh Borisaniya
28	Parmar Dhvani Pritamsingh	Deception Detection Using Facial Feature Analysis	Prof. Hardik Maheta
29	Bhatt Dhruvi Harigopal	Credit Card Cash-out Fraud Classification Using Machine Learning Approaches	Prof. Arvind Meniya
30	Shraddha Shashikant Chavhan	Avatar Based Hindi Learning for Hearing Impaired Humans	Prof. Paresh Chauhan

Students Felicitation

Institute organized and hosted an event of felicitation of meritorious candidates graduated from the institute in 2021 (in all branches of B.E. and M.E.) on 15th March, 2022, at institute's seminar hall.

In continuation with the tradition started since 2016, highly reputed industrial houses M/S Investment & Castings Ltd., Bhavnagar and M/S HiMak Pvt. Ltd., Vadodara collaborated with the institute to felicitate 1st and 2nd ranker (based on CPI at the end of 8th semester) from all branches of B.E. and M.E. at the institute with gold and silver medals respectively, along with merit certificate.

I & PCL felicitated recipients with I & PCL merit medallions and certificates, which HiMak felicitated top ranker in B.E. (I & C) with Lt. Shri Keyur Vyas merit medal and certificate.

On behalf of I & PCL, Director Mr. B. Kumar stressed on expectations from graduating engineers from institute in post-COVID scenario, and lauded SSEC for the tradition of associating with industrial houses.

Dr. M.G. Bhatt, Principal congratulated the recipients for achieving top academic merit and wished them a very bright professional career

List of I & PCL and Hi-Mak (Late Shri Keyur Vyas Memorial) merit medal recipients from UG & PG programs (2021 pass-out batch)

Program	Branch	Name	CPI	Details of felicitation
B.E.	Electronics and Communication Engineering	Sachapara Divy Kumar Arvindbhai	8.42	I & PCL Gold medal + merit Certificate
B.E.	Electronics and Communication Engineering	Bhayani Nikunj Kumar Bharatbhai	8.12	I & PCL Silver medal + merit Certificate
B.E.	Mechanical Engineering	Goyani Falgunbhai Pravinbhai	8.62	I & PCL Gold medal + merit Certificate
B.E.	Mechanical Engineering	Bhagirathsinh Gohil	8.6	I & PCL Silver medal + merit Certificate
B.E.	Electrical Engineering	Jani Parthiv Mukeshbhai	8.93	I & PCL Gold medal + merit Certificate
B.E.	Electrical Engineering	Lakum Dhaval Prafulbhai	8.7	I & PCL Silver medal + merit Certificate
B.E.	Inst & Control Engineering	Rao Pradeep Kumar Ramdhyan	8	I & PCL Gold medal + merit Certificate and HiMak Pvt. Ltd.
B.E.	Inst & Control Engineering	Patel Rutvik Chetankumar	7.6	I & PCL Silver medal + merit Certificate
B.E.	Production Engineering	Nakrani Harmishaben Jagdishbhai	7.95	I & PCL Gold medal + merit Certificate
B.E.	Production Engineering	Mandanka Mitul Ashvinbhai	7.77	I & PCL Silver medal + merit Certificate
B.E.	Civil Engineering	Jani Bhavik Balashankarbhai	8.79	I & PCL Gold medal + merit Certificate

Program	Branch	Name	CPI	Details of felicitation
B.E.	Civil Engineering	Vyas Priya Kamleshbhai	8.59	I & PCL Silver medal + merit Certificate
B.E.	Information Technology	Pooja Dudhaiya	8.95	I & PCL Gold medal + merit Certificate
B.E.	Information Technology	Bhimani Bhavik Maheshbhai	8.89	I & PCL Silver medal + merit Certificate
M.E.	Civil (Water resources engineering)	Astha Sarvaiya	8.79	I & PCL Gold medal + merit Certificate
M.E.	Civil (Water resources engineering)	Gondaliya Honey Harshadbhai	8.07	I & PCL Silver medal + merit Certificate
M.E.	Electrical Engineering	Shaikh Ajaj Faridbhai	8.59	I & PCL Gold medal + merit Certificate
M.E.	Electrical Engineering	Tandel Zankhana Rameshbhai	8.29	I & PCL Silver medal + merit Certificate
M.E.	Electronics and Communication (Communication Systems Engineering)	Doshi Priyal Dharmendra	9.34	I & PCL Gold medal + merit Certificate
M.E.	Electronics and Communication (Communication Systems Engineering)	Vyas Janki Manishbhai	8.96	I & PCL Silver medal + merit Certificate
M.E.	Information Technology	Talsaniya Hiral Rajeshbhai	9.06	I & PCL Gold medal + merit Certificate
M.E.	Information Technology	Solanki Vijay Lavjibhai	8.74	I & PCL Silver medal + merit Certificate

Students Internship

425+ students from different branches of final year B.E. from Shantilal Shah Engineering College underwent industrial internships of 12-week duration from Jan to April 2022.

In Civil Engineering, industries like Vraj Infrastructure- Rajkot, Rudra buildcon- Gandhinagar, Gujarat Police Housing commission, Anjaney Procon, Yash Construction, Nakshatra Infra, Royal Infra Engineering, Sahaj Developers, National Construction, Aaroh Construction, S.V Construction- Ahmedabad, Shiv Builders-Surendranagar and many others offered internships.

In Mechanical Engineering, industries like Trishul Pumps, Madhuram industries- Rajkot, Weartech Fusion Ltd., Cad-Mach machinery, Omnitech Engineering Rajkot, Varun Castings, Sarvottam Dairy, UM Cables, IPCA Laboratories, Aarti Industries, Agrocel Industries, Orson Technocast, and many others offered internships.

In Electrical Engineering, GSPC, Pipavav Port Trust, GSECL WTPS, DGVCL, Sunrise Solar, Steelcast Limited, Sun Photovoltaic, Aditya Birlo Nuvo ltd., etc. offered internships.

For Information Technology, industries like DigiQT, Acty Systems, BizTech, Casepoint, Simform, Sparrow Softech, Tatva Soft, Third Rock Tecno, eSparkBiz, KarmaLN Technologies, DigiMonk, Arth Infosystems, IT Desk, SoftNautics and many others provided internships.

In Electronics & Communication domain, SynersensePvt. Ltd., IT Hub Software Solutions, Infinity Techtronics i, Sparrow Softech, SofCon, Maxgen Technologies, R. A. Induction, Simform software LLP, Infinity Techtronic, S M Automation, Jyothi electronics, B.R. Electronics and other companies offered internships.

Production Engineering students availed internships in industries/Organizations like CSMCRI JayTech Engineering, RB Engineering, SSV Valves, United Marine Services, Sayaji Industries, TCL, etc.

Training and Placement

Mr. Sagar Jajadiya of B.E. (IT) secured placement at TCS with package of a whopping Rs. 20.97 Lakh/Annum. While Mr. Bhadresh Malankiya of B.E. (IT) 2022 batch has secured placement at Express Tech, Bengaluru and has been offered a package of Rs. 10.44 Lakh/Annum.



Mr. Mori Sanjaykumar and Ms. Vadhel Darshana of B.E. (Civil) class, Mr. Hardik Gajera and Mr. Kedar Bhatt of B.E. (Electrical) class and Mr. Jeet Shukla of B.E. (Mechanical) class of 2022 have been placed in ISP Ltd., Ahmedabad.

Ms. Aditee Makwana of B.E. (Electrical) class and Mr. Ravirajsinh Chavda and Mr. Yash Hingu of B.E. (Mechanical) class of 2022 have been placed in Zydus Lifesciences, Ahmedabad.

On behalf of the institute, Training & Placement cell congratulates our 2023-passing out batch students of B. E. (IT) Darshak Atulkumar Acharya, Devanshu Shaileshbhai Harsora, Bhavya Vijaybhai Fultariya, Umeehkumar Samatbhai Chudasama, Komal Parasotambhai Kamani, Priyankkumar Punjabhai shir, Jay Bharatbhai Gaudani, Viren Ramnikbhai Laniya, and Kishan Mukeshbhai Dangar for securing placement in TatvaSoft! Best wishes to all candidates.

Industry-Institute Interaction Meet with CII

The institute shared its perspective at CII Industry Institute Interaction meet held on 10 June at Bhavnagar. The event was well attended by 28 delegates from various industry delegates and section of academia. Prof. Anand Kalani from SSEC, Bhavnagar gave a lucid presentation on the gaps in industry expectations from academia and vice-versa, and proposed measures to bridge this gap.

The interaction helped understand skilling requirement of industry and efforts required to facilitate it. It also captured insight on how industry and academia can complement each other for mutual benefits.

The discussion held during the event gave opportunity to participating industries and academic institutions to deliberate on how they can further strengthen their ties for mutual advantage.



College Activities at a Glance

Institute Contributed for Government of Gujarat's Career Guidance Initiative

During 26th May and 6th June, initiated by the Education department, Government of Gujarat and district administration, District Education Office organized career guidance seminars titled નવી દિશા, નવું ફલક, (New direction new horizon) for class 9 to 12 students at district and taluka centers of Gujarat. A team of faculty members of Shantilal Shah Engineering College rendered services as IT backbone experts and also career guidance experts for engineering programs at Bhavnagar, Amreli, Gadhada, Gariyadhar, Barwala, and Umralla.



Women's Day Celebration

The United Nation's theme for International Women's Day-2022 is "Gender Equality Today for a Sustainable Tomorrow" in recognition and celebration of the women and girls who are leading the charge on climate change adaptation and response and to honour their leadership and contribution towards a sustainable future.

International Women's Day was celebrated at Shantilal Shah Engineering College, Bhavnagar on 8th March, 2022. The purpose of celebrating Women's Day was sensitization about "Gender equality and women's empowerment". At the outset of the program Principal, Dr. M G Bhatt gave a short speech on Women's Day. First speaker Ms. Shwetal Mehta (B. D. Corporation, Jamnagar) gave expert talk on Entrepreneurship. She talked about Women Entrepreneurship which is necessary to initiate the process of economic development of both developed and a developing country as it is the back bone of economy of any country. Women entrepreneur has been recognized during the last few years as an important untapped source of economic growth. Second speaker Ms. Aalisha Katira (Educator and trainer for Finishing School, Gujrat) offered expert talk on "Communication at Work Place". She talked about workplace communication, how to exchange information and ideas, both verbally and non-verbally between one person or group to another person or group within an organization. House Keeping Staff and a female help from Canteen were felicitated at the end of the evening session.

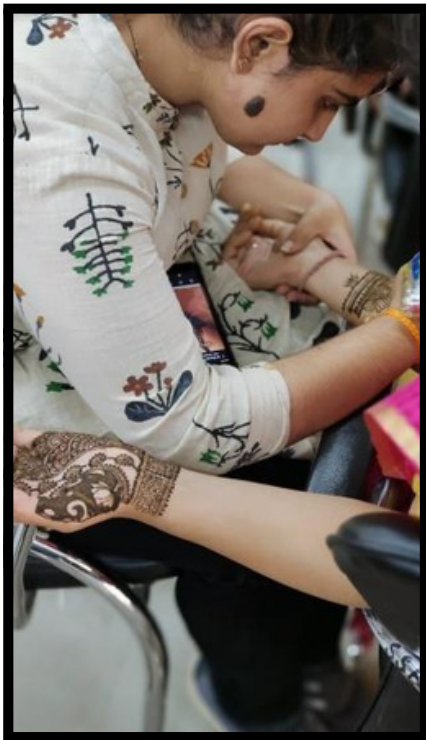
Two competitions – Poster Making (theme: Gender Equality) and Mehndi Tattoo Making were conducted in the seminar hall of our college in the afternoon session. There are 76 students of had participated from different branches. At the end, prize distribution for the winners of competition was organized.

Winners in Poster making Competition

1. Yadav Anju Ramadhar – 4th Civil
2. Bhatt Anjali A. – 6th Civil
3. Riddhi Harsora – 6th IT

Winners in Mehndi Tattoo Making Competition

1. Solanki Hetvi R. – 4th IT
2. Vegad Shivani S. – 6th Civil
3. Sutariya Vishva – 6th IT



Principal, Dr. M. G. Bhatt felicitated all the female faculties with a book on this occasion as a token of appreciation.

Seminar on Women's Self - Defense

A seminar on “Women Self-Defense” was arranged regarding the awareness of self-defense for lady faculties and girl students on 14th March, at 3 pm at Shantilal Shah Engineering College, Bhavnagar.

All female faculty members and girls students from all branches attended the program. Principal Dr. M.G. Bhatt was also present and welcomed the guests. He also addressed the audience at the program and motivated them.

The lady P.S.I. (Mahila Police Station, Bhavnagar) Ms. S. M. Kalotara was the Chief Guest and along with her team, she guided students and faculties about how to defend ourselves in any unsafe and dangerous situation. They also provided their own contact numbers and gave information about the cyber crimes and securities as well as the 181 – Abhayam application and how to use it.

They also explained some practical tricks and tips for being aware in every place where a woman may not be safe. Several photographs and other details of the program are shared here.

Prof. Khushbu Patel and Prof. Devangi Desai had coordinated the program successfully on behalf of Women's Cell, SSEC, Bhavnagar.



Water Harvesting Talk under EBSB Club

Central Government of India has initiated a Project of Ek Bharat Shreshth Bharat through MHRD. Shantilal Shah Engineering College, Bhavnagar inaugurated the EBSB Club on 13th February 2020. Under this initiative, the Government has recently launched a program on “Jal Shakti Abiyan: Catch the Rain-2022” with the theme of “Catch the Rain, where it Falls, when it Falls”. Since Rotary Club of Bhavnagar works remarkably in the area of water harvesting and conservation, it was meaningful to invite a team from the Club who can share their expertise with our students and faculty members on this topic. A team of Rotary Club along with the then President of the Club, Mr. Bhavesh Shah had visited the Institute on 28th April 2022 at 11.30 am.

Dr. Ashish Prajapati, Nodal Officer of the EBSB Club, introduced this initiative. Dr. M.G. Bhatt, Principal welcomed the Team of Rotary Club formally and appreciated their work. Dr. Dhvani Vaishnav, Coordinator of the EBSB Club introduced the speaker Dr. Umang Desai. Dr. Desai talked about projects of water conservation and harvesting they are doing under Rotary Club in Bhavnagar district. He shared a few details and photographs of the sites they are working at for these projects through a presentation. He also suggested how students can conserve water with small initiatives and contribute towards this cause. The session was followed by interesting interaction with the students. Prof. Anand Kalani offered formal vote of thanks at the end of the session.

The session motivated the students to take initiatives and the Institute is invited to visit a few sites where water harvesting projects are going on by the Rotary Club.



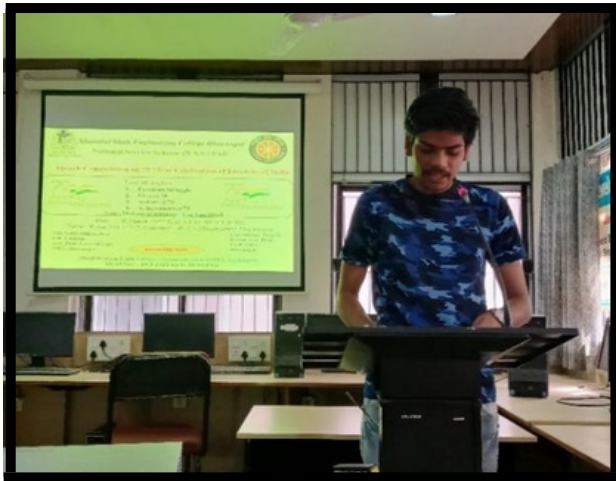
NSS Activities



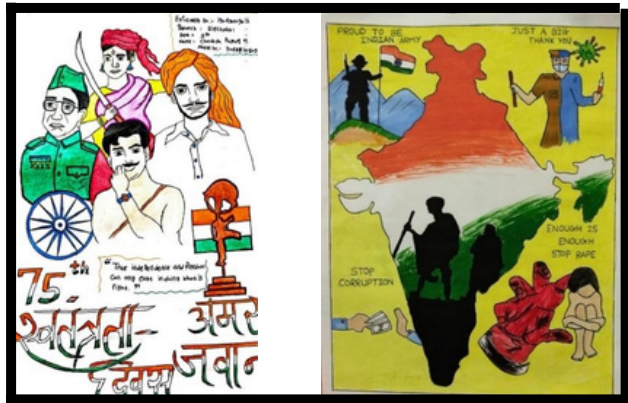
Celebration of Republic Day



Guest Lecture on Social Problems "Drug Addiction and Female Foeticide" under Aazadi Ka Amrut Mahotsav on 08-02-22



Speech Competition on "Freedom Struggle, Ideas@75, Achievement @75 and Actions @75" under Azadi ka Amrut Mahotsav, 11-03-2022



Poster making competition under Azadi ka Amrut Mahotsav on "Unsung Heroes, Indian Independence, India of My Dreams, India @ 75"

Awareness on Road Safety

Road crashes are the biggest killers of young people worldwide. Schools and colleges can play key role in preventing road casualties and to enable students, families and everyone to use roads without being endangered.

With the rapid increase in the number of vehicles on the road, the traffic conditions are under a lot of pressure. Therefore, road safety is one of the most serious public issues in our country. Taking part in or organising road safety awareness is a great way to educate young students about the dangers on roads.

With the idea of spreading awareness for road safety, Shantilal Shah Engineering College, Bhavnagar and RTO, Bhavnagar had organized a programme on 9th June 2022 at the Institute. We had invited a Traffic Education and Awareness Mobile vehicle in the campus from RTO Bhavnagar. Many students visited the mobile vehicle and saw presentation and video related to road safety awareness. Pamphlets related to different signs and symbol related to traffic were distributed among the students. Staff from RTO office explained use of different signs on road while driving. Students enthusiastically interacted with the staff from RTO.

Major Outcomes of Event: Staff from RTO office explained the importance of traffic rules to be followed while driving.



Mini Project on Seed Ball

The Seed Ball project focuses on increasing green cover across India, especially cyclone or drought affected areas. The process involves making golf ball-sized mixture of soil, seeds and compost, and scattering it in suitable places for trees to grow.

Among many initiatives to improve green cover, making and distributing seed balls is a quicker and cost-effective method to reclaim the lost green cover of our environment. Hence, it is an emerging afforestation technique adopted worldwide, seed balls are most commonly used for ecological restoration.

NSS Volunteers and other students of BE and ME participated in the event and prepared 100 seed balls and made plantation with them on 15 July 2022.

Major Outcomes of Event: All the participants, understanding the value of the environment and nature surrendered to them and make them safe.

NSS UNIT
SHANTILAL SHAH ENGINEERING COLLEGE
BHAVNAGAR

SEED BALL PROJECT
Activity under @75 Azadi ka Amrut Mahotsav

- BE & ME students of SSEC are invited to submit Seed ball project.
- All participants will get certificate.
- Prepare minimum 5 seed balls of Jamun, Peepal, Karanj, Imlı, Limboli etc.

➤ Date of Submission: 15/07/2022
➤ Time between 1:00 pm to 2:00 pm
➤ Venue: Civil building

NSS Nodal Officer : Prof. P. H. Lakhani
SSEC, Bhavnagar

Reference Video
<https://youtu.be/HqsuMJaQKWg>

Convener
Prof. N. P. Soni
SSEC, Bhavnagar



Tree Plantation

Trees are the foremost source for producing oxygen in environment. They help us to reduce the level of CO₂. The world is facing the problem of global warming and to recover from such problem, planting trees has become one of the most important aspects. On the occasion of World Environment Day, NSS unit of SSEC, Bhavnagar organized a tree plantation event in which 30 students participated. Student volunteers planted more than 15 trees in the college campus.

Major Outcomes of Event: On the World Environment Day, student got to know more about the environment and now developing regular habit of making environment green by planting and nurturing trees.



International Yoga Day

International Yoga Day is observed every year on 21st June to raise and spread awareness about this ancient practice and to celebrate the physical and spiritual prowess that yoga has brought to the world. Yoga is a physical, mental and spiritual practice. It plays an important role in relaxing the mind and body and boosting people's immune system. This day bring peace, harmony, happiness and success to every soul in the world. This was an opportunity to imbibe the value of discipline.

A special assembly on the theme 'Yoga for Humanity' was conducted for the staff and students of the Institute wherein the 'INTERNATIONAL YOGA DAY' was celebrated zestfully. More than 89 faculty members and 23 students were present on that day. All staff members and students learnt different Yogasans, Pranayam, Suryanamaskara, Niyams and Dhyan from the Yog Teacher Mr. N. K. Jadeja. Principal of the college, Dr. M.G. Bhatt offered a formal vote of thanks and memento to the expert at the end of the Session.

Major Outcomes of Event:

All the attendees learnt different Yogasan as well as importance of the Yoga



Thalassemia Test

Thalassemia Test for the students of semester-4 was organized by the NSS Unit of SSEC, Bhavnagar on 6th April 2022. Total 186 were carried out. Reports were distributed and guidance as provided to those students who were detected beta positive for Thalassemia.



Awareness Visit of Students at Sidsar and Shampara



Extra/Co-curricular Activities

- College started Book Club to motivate students to cultivate reading habits. Ms. Trusha Nandola from 4th IT reviewed Dr. I.K. Vijalivala's book "Ajod" and discussed its different aspects with the audience.



- The Institute published college magazine Jan.-June, 2021 on 26th January, 2021



- Excel Expression is an inter-college district level competition consisting cultural and technical events. It has been organized by Sumitomo Chemicals Pvt. Ltd. for more than 25 years now. Our College won 8 ranks in 7 events – in technical and cultural events of Excel Expression.

Excel Expression

First Rank

- Science & Technology
- Team Civil – Janvi Gosai, Aman Kumar Singh, Yash Dodiya, Bhavesh Cholera, Harsh Dhakan
- Folk Dance – Vishwa Patel, Trusha Nandola, Smruti Thakkar, Shruti Pandya, Vishakha Chauhan, Jeel Goswami, Devam Ghoghari, Harsh Viradiya, Dhaval Gohel, Nilesh Rathod, Kashyap Dave, Parag Lakum

Second Rank

- Mobile Photography – Stavan Bhatt
- PPT – Ishratjaha Sheikh

Third Rank

- On the Spot Painting – Vishwa Dave
- Science & Technology Team Mechanical – Akshay Sonani, Bhagya Vyas, Aayush Nagariya, Abhijeet Parmar, Abhinav Anandka
- Group Song – Chirag Mer, Kabir Prachhak, Tushar Ramanuj, Trusha Nandola, Smruti Thakkar, Kumkum Achrya
- Lokgeet – Chirag Mer



Cultural Fest - 2022

Institute level Cultural Fest was organized from 9 – 12 April 2022 under guidance of Dr. M.G. Bhatt, Principal, Prof. A. A. Pandya (Institute Coordinator); Dr. D.N. Vaishnav (Coordinator Cultural Fest) & Prof. A.D. Kalani (Co-coordinator Cultural Fest). There were 26 events which were categorized and organized at departmental and institute levels. Total 383 students participated in different events. Certificates were given to all the participants and winners. Events were judged by the faculty members of the Institute. Faculty coordinators and student volunteers played a vital role in successful execution of the whole Fest.

Events	IT/ EC	MECH/ PROD	ELEC/ IC	CIVIL	Winners
	No. of Registered Students				
LITERATURE					
Quiz	55	9	14	13	1.Team Mechanical 2.Team Mechanical 3.Team Civil
Elocution	4	4	7	7	1.Kandarp Raval- Mech. 2.Yash Dodiya- Civil 3.Aman Kumar Singh- Civil
Debate	12	4	16	8	1.Team IT 2.Team Mechanical 3.Team Civil
THEATRE					
Skit	6	6	6	5	1.Team Mech. 2.Team Civil 3.Team IT
Mimicry	1	-	1	2	1.Dharmil Bhatt- Civil 2.Smruti Thakkar- IT 3.Vishal Chandliya- Civil

Events	IT/ EC	MECH/ PROD	ELEC /IC	CIVIL	Winners
Mime	12	-	5	12	1.Team IT 2.Team Civil 3.Team IT
DANCE					
Classical	2	-	-	-	-
Western	3	2	-	3	1.Jay Borisagar- Mech. 2.Jeet Shukla- Mech. 3.Vishwa Patel- IT
FINE ARTS					
Poster	14	1	5	4	1.PushanAlagiya- IT 2.Riddhi Harsora- IT 3.Anjali Yadav- Civil
On the spot Painting	5	3	4	4	1.Pushan Alagiya- IT 2.Riddhi Harsora- IT 3.Akshay Sonani- Mech.
Rangoli	4	-	-	8	1.Vishakha Chauhan- Civil 2.Manisha Vaghela- IT 3.Twinkle Patel- Civil
Cartooning	7	2	3	6	1.Parag Chavda – Elec. 2.Reeti Mauriya- IT 3.Riddhi Harsora- IT
Clay Modelling	11	-	-	9	1.PushanAlagiya- IT 2.Harsh Daslaniya- IT 3.Manish Maru- Civil
Mehndi	-	-	1	2	1.Sana Solanki- IT 2.Mansi Rathod- IT 3.Atifabanu Mirza-Elec.

Events	IT/E C	MEC H/PR OD	ELEC/ IC	CIVIL	Winners
Installation	12	-	-	12	1.Team IT 2.Team Civil 3.Team Civil
Collage		-	-	5	1.Jahnavi Gosai- Civil 2.Krishna Jasoliya- IT 3.Reeti Mauriya- IT
MUSIC					
Light Vocal Solo	3	2	-	2	1.Harsh Goradiya- IT 2.Kabir Prachhak- Mech 3.Sagar Bambhaniya-Civil
Western Group song	2	-	-	-	-
Lokgeet/Bhajan	3	2	-	6	1.Sagar Bmbhaniya- Civil 2.Nilesh Ratod- Civil 3.Dixit Jadav- IT
Duha-Chhand	1	1	-	1	1.Sagar Bambhaniya- Civil 2.Yogesh Bhil- IT 3.Jay Ghaghada- Mech.
Western Vocal Solo	2	-	-	1	1.TrushaNandola- IT 2.Milan Karangia- Civil 3.Harsh Goradiya- IT
Indian Group Song	6	4	-	-	1.Team IT 2.Team Mechanical
Non-Percussion	-	-	-	3	1.Viraj Patel- Civil 2.Janhavi Gosai- Civil 3.Manish Maru- Civil
Western Instrument Solo	1	1	-	1	1.Rashmi Katira- IT 2.Viraj Patel- Civil 3.Kabir Prachhak- Mech
TOTAL	166	41	62	114	

The whole Fest was organized and celebrated with enthusiasm. It was a learning experience for students with fun.



Installation



Quiz



Clay Modelling



Rangoli



Debate



Lok Geet



Mimicry

Abhyudaya Tech Fest - 2022

Shantilal Shah Engineering College, Bhavnagar organized Abhyudaya Tech-Fest (Open House) on 11th and 12th April 2022. In this Tech-Fest Institute Level and Department level Events were conducted at various places in the Institute. There was an overwhelming response by students from all departments and it was a magnificent success.

The word “Abhyudaya ” comes from Swayam Siddhtathya, meaning Sunrise; prosperous. “Abhyudaya Tech-Fest (Open House)” is organized with zero budgets. The motive of this event is to develop various technical skills of students in co-curricular activities and to expose them to the current trends in the technical and professional fields.

Online registration platform was created for registration. Institute and department level faculty-students teams worked to coordinate and organize the events well.

Events like Logo Making, Ideathon, Model Making, Technical Paper Presentation, Technical Poster Presentation, Group Discussion, Project Exhibition were organized. In all the events, winners were awarded with certificates.

Student coordinators and volunteers were awarded with appreciation certificates. Tech-fest leaves unforgettable imprints on us. We have been fortunate enough to be backed by a team of very motivated and dedicated faculties, who know their job and are result oriented. We are glad that the efforts put in by everyone have borne us the fruits.

We extend our most sincere thanks to the entire SSEC family for their incessant support, guidance for making Abhyudaya 2022 a great success.

Event	Name of Student	Sem & Branch	Rank
Logo Making	Pushan Alagiya	4 IT	First
	Riddhi Harsora	6 IT	Second
	Jay Siddhpura	2 Mech.	Third
Ideathon	Sanskar Singh Aman Jokhiya	6 Elec.	First
	Keval Pandya	6 IT	Second
	Padmani Shivam Harsh Parmar Darshan Dharajiya Bhavdip Dodiya	6 IT	Third
Model Making	Sanskar Singh	6 Elec.	First
	Rohan Lalwani	6 Elec.	Second
Technical Paper Presentation (Mechanical)	Dipak Chauhan	4 Mech	First
	Harshal Sonigra	4 Mech	Second
	Jaygiri Goswami	4 Mech	Third
Technical Paper Presentation (EC-IT)	Jigar Rathod Moin Belim Harsh Jani	6 IT	First
	Darshan Dharajiya Harsh Parmar Bhavdip Dodiya	6 IT	Second
	Dhairya Andhariya Deep Chhatbar Gopal Chauhan	6 IT	Third

Event	Name of Student	Sem & Branch	Rank
Technical Paper Presentation (Elec.-IC)	Bharat Chavda Aftab Pathan Bhavik Parekh	4 Elec.	First
	Rohan Lalwani	4 Elec.	Second
	Tushar Shah Mahira Sheikh Bhumi Vaidya	6 Elec. 6 Elec. 4 Elec.	Third
Group Discussion (IT)	Deep Pandya	6 IT	First
	Pushan Alagiya	4 IT	Second
	Rashmi Katira	4 IT	Third
Group Discussion (Mechanical)	Viral Maru	4 Mech.	First
	Shudhanshukumar	4 Mech.	Second
	Rohan Solanki	4 Mech.	Third
	Akshat Verma	4 Mech	Third
Group Discussion (Electrical)	Sanskar Singh	6 Elec.	First
	Deepanshu Khuswaha	6 Elec.	Second
	Manan Oza	6 Elec.	Third
Group Discussion (Civil)	Amankumar Singh	4 Civil	First
	Tarang Lalwani	6 Civil	Second
	Mayurdhwajsinh Sarvaiya	6 Civil	Third

Event	Name of Student	Sem & Branch	Rank
Project Exhibition (IT)	Niraj Rathod Bhargav Borkhatariya	6 IT	First
	Keval Pandya	6 IT	Second
	Darshan Dharajiya Jigar Rathod Harsh Jani	6 IT	Thrid
Project Exhibition (Civil)	Pancham Mer	4 Civil	First
	Pushparaj Zala	4 Civil	Second



Project Exhibition



Ideathon



Poster Presentation



Group Discussion

Sports Event - 2022

Sports Event-2022 was played during 09-12 April, 2022 on different venues such as Institute Campus, Districts Sports and Coaching Centre, MKBU University Campus and other places. The events included: Athletics- Running 100mtr, 200mtr, 400mtr, 800mtr, Disc Throw, Long Jump, High Jump, Javelin Throw, Shot Put, Kabaddi, Kho-Kho, Carom, Table Tennis, Judo, Yoga, Cricket, Volleyball and Chess.

Students from almost every branch and every semester participated with enormous enthusiasm. Total massive registration of 558 students was recorded for all games. There were 473 Boys and 86 girls for indoor and outdoor games.



“હેમ ખેમ છે મારી ભીતર”

આજ પ્રગટી છે હોળી મારી ભીતર,
આખું આભ સળગ્યું છે મારી ભીતર.
તમે જઈ ધાણી, શ્રીફળ ધારી આવશો,

કહો મારે શું જઈ ધરવું મારી ભીતર.
ભડભડ બળતી હોલિકા પાદર જઈ,
ધ્યાન ધરી પ્રહલાદ બેઠો મારી ભીતર.
પ્રદક્ષિણા ફરવા ગામ આખું ટોળે વળ્યું,

ને હું સતત ફરતો રહ્યો મારી ભીતર.
હિરણ્યકશિપુ દુઃખી છે, હોલિકા ગઈ,
ને પ્રહલાદ હેમ ખેમ છે મારી ભીતર.

- હાર્દિક રાવલ (Establishment Section)

Poster on Road Safety



Pushan Alagiya (4 - IT)

Messages from Alumni



Patanjali Mishra

B.E. Civil, 1988 Batch

Profession: Civil Engineer - Presently, monitoring & undertaking construction of Metrorail Projects in Ahmedabad and Gandhinagar City

"Have faith and belief and we shall all succeed. I convey my best wishes to all the students of SSEC for a bright future."



Asit Shah

B.E. Civil, 1988 Batch

Profession: Consulting Civil Engineer & Builder

"I am so happy to be connecting with my SSEC through this newsletter message. Being a proud alumni of SSEC myself, I have been fortunate to imbibe a wonderful value system at the institute and I am reaping fruits of the same in my successful professional journey post my graduation from the institute. I urge my young aspiring student fraternity and all stakeholders of SSEC to persevere with quality preparation in professional domains to ace the cut-throat competition. Best wishes!"

Committee Members

- Principal, Dr. M. G. Bhatt
- Prof. A. A. Pandya
- Dr. D. N. Vaishnav
- Dr. U. K. Chhaya
- Prof. P. S. Ramanuj
- Prof. A. M. Upadhyay
- Prof. M. A. Jajal
- Prof. A. D. Kalani
- Prof. B. M. Daxini
- Prof. N. B. Nayak

Designed By

- Yash Gaurav (IT)
- Aman Kumar Singh (Civil)
- Vishwa Patel (IT)



We Are Placed Here



**Technology is the heart of a Nation
& Engineers are its pulse...**



MERITORIOUS MEDALISTS...!



**Shantilal Shah Engineering College,
New Sidsar Campus,
Post Vartej,
Sidsar, Bhavnagar
PIN: 364060,
Gujarat, India**