

### SHANTILAL SHAH ENGINEERING COLLEGE SIDSAR CAMPUS - BHAVNAGAR

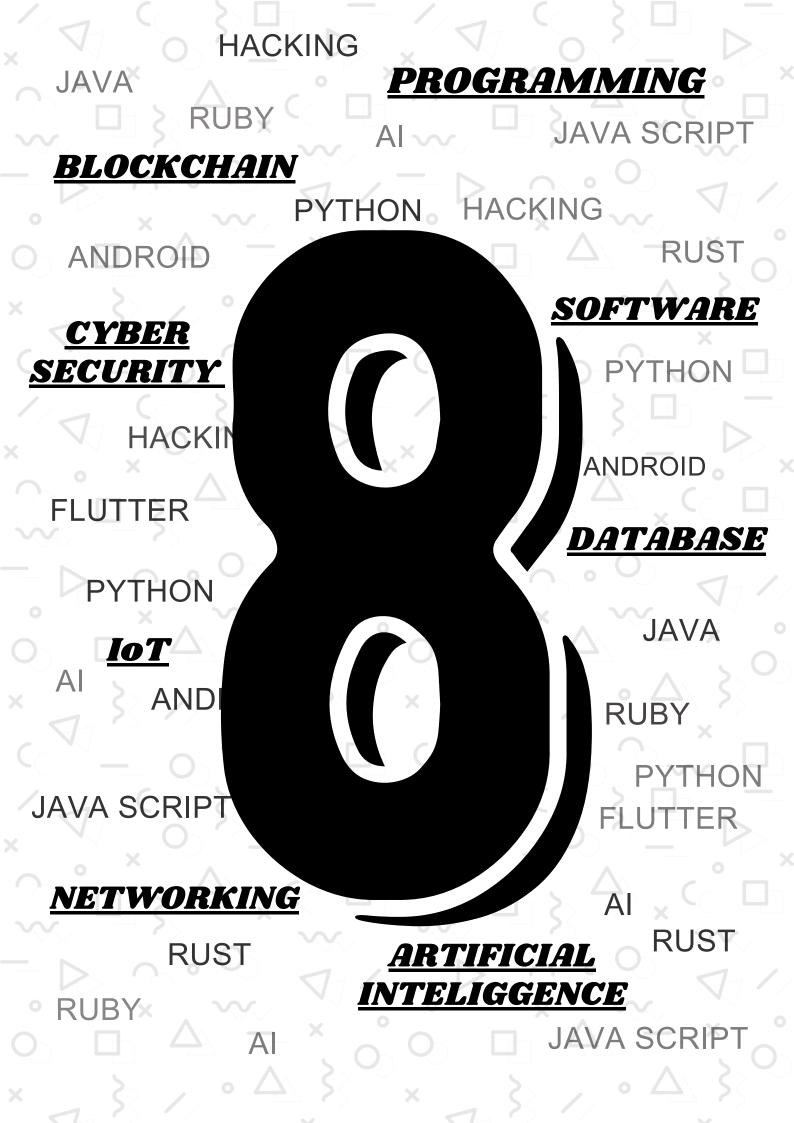
#### INFORMATION TECHNOLOGY DEPARTMENT

# INNOV SIT

Semester Spotlight (July 2023 to December 2023)



**CONNECTING MINDS AND TRANSFORMING TECHNOLOGY** 



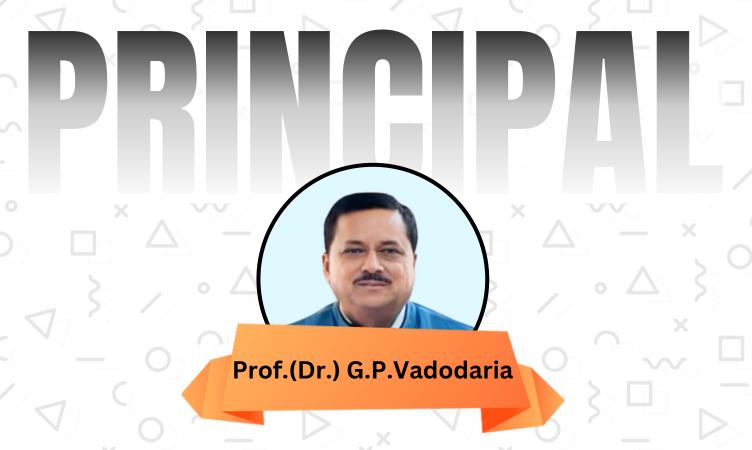
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### VISION

The Department aims to develop highly skilled IT professionals with moral ethics to fulfil the needs of IT industry, society and nation.

### MISSION

- To attain excellence in teaching-learning process by providing better infrastructure facilities.
- To collaborate with IT industry to bridge the knowledge gap between academics and industry needs.
- To impart value based IT education for building cutting edge and innovative IT applications.



Dear readers,

As a Principal of Shantilal Shah Engineering College, I take great pride and honor in extending my heartfelt congratulations to the E-magazine "INNOV8IT" editorial team of the Information Technology department for their successful new endeavor. The Information Technology department has been instrumental in the overall graph and progress of our institute. This Department E-Magazine provides an amazing venue for staff, students, and alumni to record and treasure their special memories. These magazines play a crucial role in keeping us informed about the latest developments in the evolving technological world, and they serve as a driving force, inspiring the younger generation to strive for excellence. I congratulate all the stakeholders who have invested sincere efforts in making this E-magazine valuable for our students, faculty, and society.

My best wishes to all involved.

Prof. (Dr.) G.P.Vadodaria



Dear readers,

As the Head of the Information Technology Department, It gives me immense pleasure to present before you the E-magazine "INNOV8IT" of our department from July 2023 to December 2023. Magazines have long served as a platform for creativity, expression, and exploration of diverse topics, and our publication is no exception. Our E-magazine reflects the collective talent, passion, and dedication of our contributors, editors, and staff members. We have considered all the events carried out in the department and the achievements of students and faculty in this Emagazine. With each issue, we aim to captivate our readers with compelling content, thought-provoking articles, stunning visuals, and engaging storytelling. We strive to provide a platform for voices from all walks of life, fostering inclusivity, diversity, and dialogue. Behind the scenes, our team works tirelessly to ensure the quality and integrity of each publication. From brainstorming ideas to editing final drafts, every step of the process is infused with enthusiasm and attention to detail. As you delve into the pages of our magazine, I invite you to embark on a journey of discovery, inspiration, and enlightenment. Thank you for being a part of our community, and we hope you enjoy the experience.

## **ACKNOWLEDGEMENT**

It is a great pleasure to be part of the "INNOV8IT" Emagazine. We share our gratitude to Prof. (Dr.) G.P. Vadodaria, Principal, SSEC, and Prof. (Dr.) M.S.Shah, Head of the department for their continuous support during the preparation of the "INNOV8IT" Emagazine. We also thank the principal and the head of the department for providing this wonderful chance for the faculty and students to explore the field of journalism. We want to express our sincere gratitude to every faculty member for their assistance in completing this task. We are grateful for the editing group of students who collaborated so hard to make this task possible. We start this endeavor "INNOV8IT" with the objective of Knowledge sharing and spreading the heterogeneous activities of the Information Technology Department at SSEC, Bhavnagar. With this, We are presenting the July 2023 to December 2023 "INNOV8IT" E-magazine to our genuine readers.

Prof. H.H.Maheta

Prof. N.B.Nayak









B. K. BORISANIYA

S. J. AGRAVAT



H. H. MAHETA



K. V. PATEL



P. M. CHAUHAN



C. H. MAKWANA



N.B. NAYAK



D. D. MODI



A. D. MENIYA



D. D. SANGHANI



### **EVENTS**

#### **Placement Talk**









20th September 2023

The Techno Club of the IT department, SSEC has organized an insightful event to help lower-semester students to prepare for placements in companies. Placed students shared their interview experiences and tips, emphasizing the importance of technical and soft skills. They advised about problem-solving abilities, understanding core concepts, and effective communication. Researching companies, practicing mock interviews, and building confidence were also highlighted. The event empowered students to approach interviews with confidence and strategic thinking, providing valuable guidance for success in the IT industry.

### **EVENTS**

#### **Web Wizard**





27th October 2023

The Web Wizard event held at the IT department, SSEC organized by Techno club was a dynamic platform for participants to showcase their web development skills by creating innovative websites using HTML, CSS, JavaScript. The event provided an opportunity for students to apply their technical knowledge in a practical setting and demonstrate their creativity in designing user-friendly interfaces. Participants were encouraged to focus on responsive design, interactive elements, and seamless navigation to enhance user experience. The event also featured workshops and mentorship sessions to help participants refine their coding techniques and troubleshoot any challenges they encountered. By participating in the Web Wizard event, students gained valuable hands-on experience and honed their web development skills, preparing them for future opportunities in the tech industry.

### **EVENTS**

### Speech craft





27th October 2023

The Speech Craft event held at IT dept, SSEC provided a platform for participants to showcase their public speaking and communication skills by delivering engaging and impactful speeches on a variety of topics. Participants were challenged to craft compelling narratives, deliver persuasive arguments, and captivate audiences with their presentation style. The event emphasized the importance of effective communication in both personal and professional settings, encouraging participants to hone their storytelling abilities, refine their delivery techniques, and connect with listeners on a deeper level. Workshops and coaching sessions were offered to help participants improve their vocal projection, body language, and overall presentation skills. By participating in the Speech Craft event, students gained valuable experience in public speaking and communication, preparing them to excel in future presentations, interviews, and leadership roles.

### **Faculty Achievements**

- Prof. N. S. Sangani worked as Jury Member in the "New Vibrant India Hackathon2023" organized by GMIT, Bhavnagar on 04/11/2023.
- Prof. S. S. Chauhan worked as Jury Member in the "New Vibrant India Hackathon2023" organized by GMIT, Bhavnagar on 04/11/2023.
- Prof. B. K. Borisaniya & Prof. S. J. Agravat were Project Exhibition Jury Members in the "FLASH 2023 Exhibition" organized by Shree Swaminarayan College of Computer Science, Bhavnagar at GMIT, Bhavnagar on 23/12/2023 to 26/12/2023.
- Prof. S. J. Agravat worked as Jury Member in the "New Vibrant India Hackathon2023" organized by GMIT, Bhavnagar on 04/11/2023.
- Dr. B. K. Borisaniya & Prof. S. J. Agravat worked as Coordinators of an online event organized by "Developer Week" for the students of the I.T. Department of our institute from 17/11/2023 to 25/11/2023 and the result was announced on 29/11/2023. It was a kind of hackathon where groups were offered several definitions, and out of them, they needed to submit a solution of any one definition as per their choice.

### **Faculty Achievements**

- Prof. B. K. Borisaniya worked as a reviewer in "11th IEEE Humanitarian Technology Conference" organized by IEEE Gujarat Section at Marwadi University, Rajkot during 16/10/2023 to 18/10/2023.
- Prof. B. K. Borisaniya worked as a reviewer in "Second International Conference on Information Security, Privacy and Digital Forensics" (ICISPD 2023) organized by National Forensic Sciences University, Gandhinagar from 15/12/2023 to 16/12/2023.
- Prof. B. K. Borisaniya secured a rank in top 1% toppers list of the course NPTEL MOOC Training on "Python for Data Science" during July to August 2023.
- Prof. H. H. Maheta secured a rank in top 1% toppers list of the course NPTEL MOOC Training on "Python for Data Science" during July to August 2023.
- Prof. H. H. Maheta worked as Jury Member in the "New Vibrant India Hackathon2023" organized by GMIT, Bhavnagar on 04/11/2023.
- Prof. K. V. Patel worked as Jury Member in the "New Vibrant India Hackathon2023" organized by GMIT, Bhavnagar on 04/11/2023.

### **Expert lectures delivered**

• Faculty: Prof. N. S. Sanghani

Subject of Lecture: CPU organization and memory.

Venue: Delivered to BCA Sem 1 Students at Nandkunvarba

Mahila BCA College, Bhavnagar.

**Date:** 12 August, 2023

• Faculty: Prof. B. K. Borisaniya

Subject of Lecture : Sorting Methods.

Venue: Delivered to BCA Sem 1 Students at Nandkunvarba

Mahila BCA College, Bhavnagar.

**Date:** 08 July, 2023

• Faculty: Prof. S. J. Agravat

Subject of Lecture: Operator Overloading in C++.

Venue: Delivered to BCA Sem 3 Students at Nandkunvarba

Mahila BCA College, Bhavnagar.

**Date:** 22 July, 2023

• Faculty: Prof. D. D. Sanghani

Subject of Lecture: Operations on Doubly Linklist.

Venue: Delivered to BCA Sem 3 Students at Nandkunvarba

Mahila BCA College, Bhavnagar.

Date: 24 June, 2023

• Faculty: Prof. S. J. Agravat

Workshop's Title: Web Development using HTML and CSS.

Venue: Two Days Workshop organized by Google Developer

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Student Club, GEC Patan.

**Date:** 20-21 December, 2023

### <u>ACHIEVEMENTS</u>

### **Faculty Publications**

• Name: Prof. H. H Maheta & Prof. D. B. Vaghela

Paper/Article: A Comprehensive Study of Various Modalities Used

for Deception Detection

Journal/Book: International Journal of Computing and Digital

Systems (Scopus Index)

Month & Year: December 2023

### **Faculty Training**

• Name: Prof. N. S. Sanghani

Title of training: Python for Data Science

**Organization/Institute:** MOOC

Date: July-August 2023

**Consolidated Score**: 63%

• Name: Prof. B. K. Borisaniya

Title of training: Python for Data Science

**Organization/Institute: MOOC** 

Date: July-August 2023

**Consolidated Score**: 87%

(Got rank in top 1% of NPTEL course. (out of 7596 candidates))

• Name: Prof. S. J. Agravat

Title of training: Python for Data Science

**Organization/Institute: MOOC** 

Date: July-August 2023

**Consolidated Score**: 75%

### **Faculty Training**

• Name: Prof. H. H. Maheta

Title of training: Python for Data Science

**Organization/Institute: MOOC** 

Date: July-August 2023

**Consolidated Score**: 88%

(Got rank in top 1% of NPTEL course. (out of 7596 candidates))

• Name: Prof. P. M. Chauhan

Title of training: Python for Data Science

**Organization/Institute: MOOC** 

Date: July-August 2023

**Consolidated Score**: 70%

#### **Student Achievement**



- **◆** Team IT got 2nd Rank In "SCIENCE AND TECHNOLOGY EVENT OF PROJECT MAKING" in Excel Expression Competition December 2023. Following students are part of Team IT.
  - Chavda Nilesh (210430116127) Sem 6, IT
  - Chavda Hiren (210430116033) Sem 6, IT
  - Moradiya Parth (210430116067) Sem 6, IT
  - Kashyap Dave (200430116044) Sem 8, IT
  - Mungala Deep (190430116079) Sem 8, IT
- ♦ Chavda Nilesh (210430116067) of Sem 6, IT got 3rd Rank in Event "ON THE SPOT PAINTING" Excel Expression Competition December 2023.
- **♦** Pushti Bhatti (220430116013) of Sem 4, IT Got 2nd Rank in "NEWS READING" event in Excel Expression Competition December 2023.
- ♦ Vishwa Patel (200430116049) of Sem 8, IT got 2nd rank in "INNOVATIVE BUSINESS IDEA" event in Excel Expression Competition December 2023.

#### **Student Achievement**



#### **♦ KHO KHO (Boys)**

Kartik Solanki (210430116031) Sem 6, IT, represented the SSEC team in the kho kho tournament organized by GTU. Team SSEC was runner-up in tournament.

#### **KHO-KHO (Girls)**

Total 7 girl students of IT dept represented the SSEC team in the kho kho tournament organized by GTU. Team SSEC was runner-up in tournament.

| • Rathod Mansi (230430116118)             | Sem 2, IT |
|---|-----------|
| • Nandehariya Chandrikaben (230430116086) | Sem 2, IT |
| • Ajwaliya Prapti (230430116106)          | Sem 2, IT |
| • Savaliya Drashti (220430116128)         | Sem 4, IT |
| • Gohil Bhumika (220430116039)            | Sem 4, IT |
| • Oganaja Ruti (210430116113)             | Sem 6, IT |
| • Kalawadiya Dhwani (220433116013)        | Sem 6, IT |

#### **Student Achievement**



Gaurav Dudharejiya (230433116005), Sem 4, IT

Belvedere golf and country club, Ahmedabad

• Gaurav Dudharejiya (230433116005) Sem 4, IT, stands as a runner-up in Golf event HANDICAP. on 28 December 2023.

Rolls Royce - an exclusive limited edition label pin

• Gaurav Dudharejiya (230433116005) Sem 4, IT, stands as a pioneer in the Indian import and supply sector,

being the first to establish vital connections with renowned international companies such as Flying Sparce in the UK. Through his visionary leadership and relentless pursuit of excellence, Gaurav has carved a distinctive niche for himself, elevating the standards of quality and reliability in the industry. He received an appreciation certificate from Rolls Royce Chennai, India on 20th November 2023.

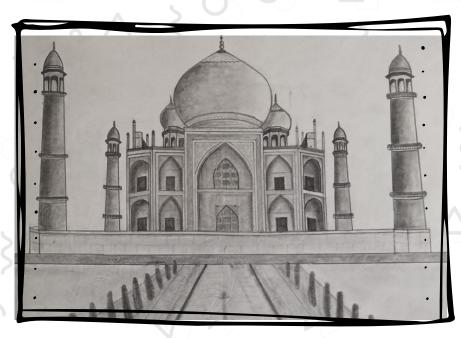
# Creative Corner



Chavda Nilesh Sem 6, IT - 210430116127



Meghanathi Vishwa Sem 4, IT - 220430116081



Jethva Khushbu Sem 4, IT - 220430116049

# Creative Corner



**Makwana Aaryash Sem 4, IT - 220430116073** 



Meghanathi Vishwa Sem 4, IT - 220430116081



**Moradiya Parth Sem 6, IT - 210430116067** 

### Creative Corner

#### હું જેવો છું બસ એવો તમે મને સ્વીકારો.

ન સમજો મને તમે અંધારી રાત, કે ન સમજો ચમકતો સિતારો

હું જેવો છું બસ એવો તમે મને સ્વીકારો.

હું નથી સૌથી સારો , અને એકદમ પણ નથી નઠારો

હું જેવો છું બસ એવો તમે મને સ્વીકારો.

નથી જીતવી દુનિયા મારે,નથી કરવા કોઈને પડકારો

હું જેવો છું બસ એવો તમે મને સ્વીકારો.

ન જણાવો મને મારા દોષ, ન ખોલો મારા ગુણોનો પટારો

હું જેવો છું બસ એવો તમે મને સ્વીકારો.

જો હુ ગમુ તો કરો મારા વખાણ, અને ન ગમુ તો તમતમારે કરો દેકારો

હું જેવો છું બસ એવો તમે મને સ્વીકારો.

હું તો છું દરિયો, મરજીવા માટે સારો અને તરસ્યા માટે અતિખારો

હું જેવો છું બસ એવો તમે મને સ્વીકારો.

પ્રયત્ન હંમેશા કરું છું સજ્જન બનવાનો, માણસ છું ,ક્યારેક આવી પણ જાય વિકારો

હું જેવો છું બસ એવો તમે મને સ્વીકારો.

ગમે જો મારો સાથ , તો સદાય રહો સાથે , પરાણે ન આપશો મને સથવારો

હું જેવો છું બસ એવો તમે મને સ્વીકારો.

નથી બદલવું મારે અને ન કરો તમે પણ બદલાઈ જવાના વિચારો

હું જેવો છું બસ એવો તમે મને સ્વીકારો.

હું શું કરું? મારી ઈચ્છાઓ પર છે ફક્ત મારો જ ઈજારો

હું જેવો છું બસ એવો તમે મને સ્વીકારો.

~ Prof. H.H. Maheta

કોઈ ઝુકાવે એમ કદી ઝૂકવાનું નહીં, મેળાવડાના દર્શક થઈ કદી ઊભવાનું નહીં.

મળશે અનેક સાથી તુજને તુજમાં, રસ્તે આજુબાજુ કશું કદી શોધવાનું નહીં.

મીઠી ચંચળ કોમળ મધુર અને રસાળ, લ્હેરખી તો આવે પણ નિશાન કદી ચૂકવાનું નહીં.

લોકો ભલે ઓળખતા સમજતા મને જે રીતે, મૂર્તિની જેમ બીબામાં કદી ઢળવાનું નહીં.

પાસાને તો આદત છે ઊંધા ચત્તા પડવાની, મારી'ય આદત છે હારીને કદી બેસવાનું નહીં.

~ Chavda Hiren (sem 6 -210430116033)

# <u>Alumni Blog</u>



Chintan Chatterjee Batch: 2016-20

From Student to Professional: My Journey Through Shantilal Shah Engineering College

Greetings to my fellow alumni and current students of the Information Technology Department at Shantilal Shah Engineering College! Reflecting on my time spent in this esteemed institution brings back a flood of memories and a sense of gratitude for the foundation it provided me in my journey from student to professional.

My name is Chintan Chatterjee, and I am proud to be an alumnus of Shantilal Shah Engineering College. After completing my B.E. in I.T., I pursued my M.E. from L.D. College of Engineering, Ahmedabad. During my time at LDCE, I served as a teaching assistant in the IT department, where I further honed my skills and Nadiad in Machine Learning. passion for academia. I am currently pursuing a Ph.D. from DDU,

Currently, I hold the position of Assistant Professor in the Computer Engineering Department at Dharmsinh Desai University, Nadiad. My academic journey has been marked by several notable achievements, including - Three times GATE Qualified, UGC NET JRF Qualified, GSET Qualified, Securing the 1st rank in the entire college during my B.E. at SSEC, and attaining the 2nd rank in the entire university in I.T. during my M.E. at GTU. These accomplishments serve as milestones in my academic and professional endeavors, reaffirming my commitment to excellence in the field of information technology.

My journey through Shantilal Shah Engineering College was not just about academic pursuits but also about holistic development. The support and guidance from the faculty members, coupled with the hands-on learning experiences, prepared me for the challenges of the real world. Additionally, the vibrant campus life and extracurricular activities fostered a sense of camaraderie and personal growth, which have been instrumental in my journey.

As I continue to embark on my professional journey, I carry with me the invaluable lessons and experiences gained during my time at Shantilal Shah Engineering College. To my fellow alumni and current students, I encourage you to embrace every opportunity, challenge yourself, and never cease to pursue your dreams.

Here's to the enduring legacy of SSEC and the countless achievements yet to come!

Warm regards,
Chintan Chatterjee
Assistant Professor, Computer Engineering Department
Dharmsinh Desai University, Nadiad

# <u>Alumni Blog</u>



Darsh Joshi
Batch: 2018-22

Embarking on my undergraduate journey in Information Technology at Shantilal Shah Engineering College (SSEC), and graduating in the 2022 batch, was the launching pad for my aspirations and achievements. Presently, I am navigating through my Master's in Data Science at Pace University's NYC campus, aiming for completion in May 2024. Parallel to my studies, I lead a dynamic team of six at KeeperAI as a Data Scientist, focusing on pioneering work in Generative AI, NLP, and Machine Learning. At the university, I helm the Computational Intelligence Lab, supervising the JupyterHub server and imparting Data Science knowledge.

My academic voyage began with modest familiarity just with C programming and HTML, but the sprawling, technologically equipped campus of SSEC soon became my crucible of innovation. Boasting one of the largest tech campuses in Bhavnagar, SSEC provided not just an academic haven but a fertile ground for personal exploration and the creation of lasting memories.

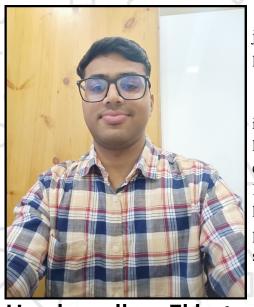
Active participation in the plethora of events and activities at SSEC catapulted me into the realm of Machine Learning during my third semester. The Design Engineering project, a formidable challenge mentored by Professor Paresh M. Chauhan across two years, was a crucible that refined my project management and development skills, principles I now apply in my role as a data scientist.

The liberty to explore and innovate was paramount in my journey. A burgeoning interest in microcontrollers culminated in a significant project, supported by government funding, thanks to the encouragement and support from the IT department. Identifying the absence of a student community, I established "TechnoC" This initiative, backed by the department, fostered a vibrant student community through webinars, teaching sessions, and meet-ups, bridging knowledge gaps and nurturing a culture of collaboration.

The thriving ecosystem at SSEC, characterized by vibrant mentorship and a culture of collaboration, was instrumental in my development. Immersing myself in projects that would later dazzle at hackathons, I was buoyed by the mentorship of faculty, notably Professor Hardik H. Maheta, my final project mentor. His guidance was a beacon, encouraging me to venture into uncharted technological territories.

My path was not without hurdles; personal challenges like backlogs and the unprecedented global disruption caused by the COVID-19 pandemic tested my resolve. Nevertheless, the unwavering support from the SSEC faculty and staff remained constant, a testament to the college's commitment to its students' success. To those embarking on their journey at SSEC, my advice is to immerse yourself fully in the opportunities presented. The college not only sculpted my professional identity but also imbued me with a sense of purpose and determination. SSEC has been instrumental in shaping the person I am today, and it harbors the potential to do the same for anyone willing to embrace its rich offerings.

# Student Blog



Harshvardhan Ekbote Batch: 2020-24

Hello, fellow students! I'm excited to share my journey with you—a journey that took me from being a hobbyist hacker to landing a prestigious job in cybersecurity.

I will graduate from Shantitlal Shah Engineering in 2024, majoring in Information Technology. My time at college was filled with learning, growth, and exciting challenges. One of the most impactful experiences was diving deep into practical subjects like Design Engineering. Under the mentorship of Ms. Disha Sanghani, I not only honed my technical skills but also developed a strong foundation in project management. Her guidance was invaluable and played a significant role in shaping my career path.

Outside of my academic pursuits, I pursued my passion for cybersecurity as a hobby. I embarked on a journey as an independent security researcher, exploring vulnerabilities in various online platforms. However, the road to success was far from smooth.

For two years, my reports were met with rejection after rejection. It was a challenging period filled with moments of doubt and frustration. But I refused to give up.

In 2020, after countless attempts, my perseverance paid off when my first report was accepted. It was a breakthrough moment that fueled my determination even further. From then on, I dedicated myself wholeheartedly to my craft, continuing to identify and report vulnerabilities across different platforms. My efforts caught the attention of several major companies, including Google, Tazapay, Xhamster, Auspost (Australian Government), Visma, Beardo, Coca-Cola, Mercedes-Benz, and many more. Not only did I contribute to enhancing their security measures, but I also received generous bounties, exciting swag packages, and prestigious place in their hall of fames.

The culmination of my journey came when I was offered a position as a Cybersecurity Analyst at Marico, one of India's leading FMCG companies. It was a dream come true—a validation of my hard work and dedication to the field of cybersecurity. At Marico, I have the opportunity to apply my skills and knowledge to safeguard critical systems and data against potential threats.

If you're interested in connecting with me, feel free to reach out to me on LinkedIn. I'm always open to sharing experiences and insights with fellow enthusiasts.

In closing, I want to encourage each of you to pursue your passions relentlessly. Success may not come easily, but with determination and perseverance, anything is possible. Keep pushing forward, and never underestimate the power of resilience.

Best regards, Harshvardhan Ekbote

# INNOV S A STATE OF A S

"Within the pages of this magazine, we celebrate not only the achievements of our students and faculties, but also the spirit of collaboration, creativity, and vision that drives our community forward. As we reflect on our past accomplishments and look toward the future, let us continue to strive for excellence, unity, and the realization of our shared vision"



Don't forget to leave your feedback or any idea to improve next issue of the magazine, scan the following QR

### Student Team:

Sagar Narigara (220430116088)

Kuldeep Makwana (220430116076)

Aaryash Makwana (220430116073)

Bhavin Sachaniya (220430116125)

Gourav Ganjoo (220430116155)

Arpit Chudasama (220430116022)

Parth Moradiya (210430116067)

Hiren Chavda (210430116033)



**CLICK HERE** 

#### **Mentors:**

Prof. H. H. Maheta

Prof. N.B. Nayak

