



# SIGMA UNIVERSITY

**ANNUAL REPORT**  
**2023-24**



MOTTO

ज्ञानं परम् शक्तिः



VISION

Be a University of global excellence, encompassing an inclusive learning ecosystem that empowers individuals to become socially responsible global citizens.



MISSION

1. To be at the forefront of knowledge's ever-expanding frontiers by providing interdisciplinary education through a well-designed and integrated curriculum.
2. To create a good learning environment with state-of-the-art infrastructure, and energised work ethics that enables students to achieve a higher level of learning through continuous improvement, thereby facilitating the development of character, virtues, values, and technical skills.
3. Forming collaborations with other Higher Education Institutes (HEIs) and research organizations to foster entrepreneurship, research, and innovation.
4. We value and respect each student as a unique individual, to recognise their potential and to ensure that they receive the best exposure and training to enable them to achieve their career and life goals.

# TABLE OF CONTENTS

1) Vision & Mission of the University .....	00
2) Our Leadership Team .....	01
3) Our Governing Body .....	02
4) Board of Management .....	03
5) Academic Council .....	04
6) Our Key People .....	06
7) Message from the Desk of Patron, Shri Shaileshbhai Shah .....	07
8) Message from the Desk of President, Dr Harsh Shah .....	08
9) Message from the Desk of Vice President, Dr Shreya Shah .....	09
10) Message from the Desk of Managing Director, Dr Jigar Shah .....	10
11) Annual Summary Report from the Desk of Provost .....	11
12) Message from the Desk of Pro Vice Chancellor .....	12
13) Message from the Desk of Registrar .....	13
14) MoUs- National & International .....	15
15) Sigma Elite Programs in Collaboration & Recruiters .....	16
16) Student Enrolments- Batch 1 Sigma University .....	18
17) International Students @ SU .....	19
18) International Immersion Program for two weeks at AIT, Thailand .....	20
19) Round Table Deliberations of CEOs on Industry 5.0 & Role of Universities .....	21
20) National Summit on ESG 2023 .....	22
21) Grand launch of Faculty of Designing & New Admission Cell .....	25
22) Developments & Achievements galore of the Faculties & Institutions SSIP .....	26
23) III Cell .....	28
24) Faculty of Commerce & Management .....	31
25) Faculty of Engineering & Technology .....	35
26) Faculty of Computer Applications .....	45
27) Faculty of Social Work .....	48
28) Faculty of Nursing .....	50
29) Faculty of Physiotherapy .....	53
30) Faculty of Pharmacy .....	55
31) Faculty of Hotel Management .....	60
32) Faculty of Science .....	62
33) NSS .....	66
34) Language Cell .....	69
35) University Events .....	73



## LEADERSHIP SIGMA UNIVERSITY



**SHRI SHAILESHBHAJ SHAH**

**PATRON**

Sigma University



**DR. HARSH S. SHAH**

**PRESIDENT**

Sigma University



**SMT. JYOTSNABEN SHAH**

**MENTOR & PRINCIPAL ADVISOR**

Sigma University



**DR. SHREYA H. SHAH**

**VICE PRESIDENT**

Sigma University



**DR. JIGAR V. PATEL**

**MANAGING DIRECTOR**

Sigma University



**MR. KAUSHAL KOTHARI**

**DIRECTOR - LEGAL**

Sigma University

# GOVERNING BODY

Sr. No.	Composition	Name	Affiliation
1	Patron	ShriShaileshbhai R. Shah Founder & Chairman (Emeritus) Sigma Institute of Technology & Engineering (Trust)	Patron
2	Vice Patron	Smt. JyotsnabenShah Mentor & Principal Advisor Sigma Institute of Technology & Engineering (Trust)	Vice Patron
3	The President	Dr. Harsh S. Shah Chairman, Sigma Institute of Technology & Engineering (Trust)	President of the University
4	The Vice-President	Dr. Shreya Shah Managing Trustee, Sigma Institute of Technology & Engineering (Trust)	Vice- President of the University
5	Managing Director	Dr. Jigar Patel Managing Director Sigma University, Vadodara	Managing Director of the University
6	Provost (Vice Chancellor)	Prof. (Dr.)Priyesh P. Gandhi Provost (Vice Chancellor) Sigma University, Vadodara	Provost (Vice Chancellor) of the University (Member)
7	Pro-Vice Chancellor	Prof. (Dr.) R. C. Patel Pro-Vice Chancellor Sigma University, Vadodara	Pro-Vice Chancellor of the University (Member)
8	2-Nominees by Sponsoring Body	Mr. Harshank Patel CFAO Sigma University	Member
9		Dr. Dhawal Shah ENT Surgeon Dhawal Nursing Home, Vadodara	
10	2-Nominees by Sponsoring Body	Prof. (Dr.) Pratsingh Chauhan Hon. Vice Chancellor Shri Govind Guru University Godhra	
11	Eminent educationist	Dr. A. S. Patel Ex- Executive Registrar Nirma University, Ahemdabad	
12	2-Nominees by Provost who are Deans/ Directors of University, in rotation	Prof. Rashmita Sharma Dean, Faculty of Nursing Sigma University	Member (By rotation)
13		Dr. Umesh Upadhyay Dean, Faculty of Pharmacy Sigma University	
14	One Nominee by GB (may be 1 <sup>st</sup> time by President) who is expert in Mgt./IT from outside.	Mr. Anil Killarikar Chief Operating Officer GFL, Ranjitnagar (Halol)	Member
15	3-Nominees by GB (may be 1 <sup>st</sup> time by President) from other sectors. a. Finance	Mr. J.O. Parikh K. Parikh & Co. 102, Apsara Apartment Opp Dalson Watch, Dandia Bazar, Vadodara	Member
16		b. Legal Mr. Kaushal Kothari Advocate 103, Helly Residency, Nr. Mahesh Complex Old GEB Office, Parivar Char Rasta Vadodara	
17		c. Social Sector P.P 108 Shri Vrajraj Kumar Mahodayshri Preacher, Spiritual Guru and Social Worker Vrajdharm Haveli, Vadodara	
18	One nominee of GB who is industrialist.	Mr. Laxman Sanghvi Executive Director Shally Engineering Plastics Survey No. 363/364/366, Rania, Ta. Savli, Vadodara Gujarat 391780, India	Member
19	Sectary of Government of Gujarat, HTE or representative not below rank of Dy. Sec. / Dy. Commissioner	Shri Mukesh Kumar, IAS Principal Secretary Higher & Technical Education 5 <sup>th</sup> Block, 8 <sup>th</sup> Floor, Sachivalaya, Gandhinagar-382010 Office Ph: 079-23251306-308 Fax: 079-23251305 Email: secedu-he@gujarat.gov.in	Ex-Officio Member (Term: as long as he/she holds his office)
20	Registrar	Mr. Priyank Patel Registrar Sigma University, Vadodara	Member Secretary

# BOARD OF MANAGEMENT

Sr.No.	Name	Membership
1	Dr. Harsh Shah	President (Chairman/Chairperson)
2	Dr. Shreya Shah	Vice-President
3	Dr. Jigar Patel	Managing Director
4	Prof. (Dr.) Priyesh P. Gandhi	Provost, (Vice Chancellor)
5	Prof. (Dr.) R. C. Patel	Pro-Vice Chancellor
6	Mr. Harshank Patel	CFAO, Sigma University
7	Prof. Rashmita Sharma	Dean, Sigma Institute of Nursing
8	Prof. (Dr.) Ashish Kothari	Director, Research, Innovation & Translation Atmiya University, Rajkot (External)
9	Prof. (Dr.) Rajiv Chaudhri	Retired Principal, Govt. PG College for Women (External)
10	Mr. Yatin Pandya.	Architect -Footprints, Earth (External)
11	Mr. Hasit Desai	Director, Startup & Incubation
12	Mr. Dhaval Gaud	Director, Admission
13	Dr. Saumil Joshi	Associate Professor, FET
14	Dr. Anisha Parikh	Professor, FPT
15	Prof. Robbie Mathew	Assistant Professor, FHT
16	Prof. Milan Mehta	Dean, Faculty of Skills & Vocational Development
17	Mr. Priyank Patel	Registrar

# ACADEMIC COUNCIL MEMBERS

Sr. No.	Name	Membership
1	Prof. (Dr.) Priyesh P. Gandhi Provost (Vice Chancellor)	Provost (Vice Chancellor)(Chairman/Chairperson)
2	Prof. (Dr.) R. C. Patel	Pro-Vice Chancellor
2	Prof. (Dr.) Pina Bhatt	Vice Provost, Silver Oak University, Ahmedabad
3	Prof. (Dr.) Bala Ganapathy M	Professor & Principal, Faculty of Physiotherapy, Charusat University, Changa
4	Prof. (Dr.) Vishal Khasgiwala	Dean, Faculty of Business & Commerce, Atmiya University, Rajkot
5	Prof. (Dr.) Jayeshkumar Patel	Dean, Faculty of Engineering & Technology
6	Prof. Rashmita Sharma	Dean, Faculty of Nursing
7	Prof. (Dr.) Umesh Upadhyay	Dean, Faculty of Pharmacy
8	Prof. (Dr.) Poongundran Paranthaman (PT)	Dean, Faculty of Physiotherapy & Rehabilitation
9	Prof. (Dr.) Pankaj Dalal	Dean, Faculty of Computer Science & Applications
10	Prof. Srinath Achar	Dean, Faculty of Hospitality & Tourism
11	Prof. (Dr.) Jagdish Solanki	Dean, Faculty of Social Work
12	Prof. (Dr.) Ranjita Banerjee	Dean, Faculty of Commerce & Management
13	Prof. Milan Mehta	Dean, Faculty of Skill & Vocational Development
14	Mr. Priyank Patel	Registrar

# FINANCE COMMITTEE

Sr. No.	Name	Membership
1	Dr. Harsh Shah	The President (Chairman)
2	Dr. Shreya Shah	Vice-President
3	Dr. Jigar Patel	Managing Director
4	Prof. (Dr.) Priyesh P. Gandhi	Provost (Vice Chancellor)
5	Prof. (Dr.) R. C. Patel	Pro-Vice Chancellor
6	Mr. Priyank Patel	Registrar
7	Mr. Sunilbhai Shah	Advisor Finance
8	Prof. (Dr.) Poongundran Paranthaman (PT)	Dean, Faculty of Physiotherapy
9	Prof. (Dr.) Ageetha Vanaamudan	Director, IQAC
10	Prof. (Dr.) Jayeshkumar S. Patel	Dean, Faculty of Engineering & Technology
11	Mr. Harshank Patel	Member Secretary





# KEY PEOPLE



**Dr. Priyesh P. Gandhi**  
Provost (Vice Chancellor)



**Dr. R. C. Patel**  
Pro-Vice Chancellor



**Mr. Priyank Patel**  
Registrar



**Mr. Harshank Patel**  
CFAO



**Dr. Poongundran Paranthaman**  
Dean, Faculty of Physiotherapy



**Dr. Umesh Upadhyay**  
Dean, Faculty of Pharmacy



**Dr. Jayeshkumar S. Patel**  
Dean, Faculty of Engineering  
& Technology



**Dr. Jagdish D. Solanki**  
Dean, Faculty of Social Work



**Prof. Milan Mehta**  
Dean, Faculty of Skill &  
Vocational Development



**Prof. Srinath Achar**  
Dean, Faculty of  
Hospitality and Tourism



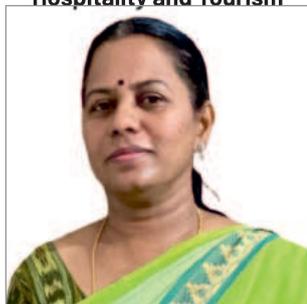
**Dr. Pankaj Dalal**  
Dean, Faculty of Computer  
Science & Applications



**Prof. Rashmita Sharma**  
Dean, Faculty of Nursing



**Dr. Ranjita Banerjee**  
Dean, Faculty of  
Commerce  
& Management



**Dr. Ageetha Vanaamudan**  
Dean, Faculty of Science



**Mr. Hasit Desai**  
Director  
Startup & Incubation



**Mr. Dhaval Gaud**  
Director  
Admission & Marketing



**Mr. Shailesh Vasavda**  
Director - III Cell



## Embracing the Future : A Personal Message from the Patron **Shri Shaileshbhai Shah**

Dear Sigma University Community,

As we reflect on the milestones and achievements of the past year, I am deeply grateful for the unwavering dedication and collective effort of each member of our Sigma family. Together, we have embarked on a journey towards excellence, driven by our shared commitment to innovation, learning, and growth.

To our esteemed faculty and staff: Your passion for education and relentless pursuit of excellence are the driving forces behind our success. Your dedication to nurturing the minds of our students and fostering an environment of intellectual curiosity inspires us all. As we move forward, let us continue to innovate and push the boundaries of what is possible, shaping the future of education with creativity and determination.

To our cherished students: You are the heart and soul of our university. Your enthusiasm for learning and thirst for knowledge fuel our aspirations for greatness. As you navigate your academic journey, know that we are here to support and empower you to reach your fullest potential. Together, let us embrace the opportunities that lie ahead, seizing each moment as a chance to grow and excel.

To our valued alumni, partners, and supporters: Your unwavering commitment and steadfast support have been instrumental in our pursuit of excellence. Together, we have built a community that celebrates diversity, fosters innovation, and embraces change. As we look to the future, let us continue to collaborate and innovate, shaping the landscape of education for generations to come.

As we chart a course towards the future, let us remain steadfast in our commitment to fostering a culture of excellence and inclusivity. Let us embrace new challenges with resilience and determination, knowing that together, we have the power to create a brighter tomorrow.

Thank you for your continued dedication and support. Together, let us continue to inspire and empower one another, as we strive towards a future filled with endless possibilities.

With warmest regards,

**Shri Shaileshbhai Shah**

Patron, Sigma University



## Message from the Desk of President **Dr. Harsh Shah**

Dear Sigma Family,

As we reflect on our journey over the past year, I am reminded of the profound wisdom in the words of George Bernard Shaw: "Progress is impossible without change, and those who cannot change their minds cannot change anything." Indeed, this quote encapsulates the essence of our collective efforts and aspirations here at Sigma University.

Throughout the past year, we have witnessed remarkable transformations and advancements within our institution. From the transition to university status to the introduction of innovative programs and initiatives, change has been at the heart of our progress. We have embraced the challenges and opportunities that have come our way, recognizing that stagnation is not an option if we are to realize our vision of excellence and distinction.

Our journey toward progress has been marked by a willingness to adapt, evolve, and challenge the status quo. Whether it be reimagining our curriculum to meet the needs of a rapidly changing world, investing in state-of-the-art facilities to enhance the student experience, or fostering a culture of inclusivity and diversity, every decision and action has been guided by the recognition that change is not only inevitable but essential for growth.

Yet, it is not merely change for the sake of change that defines our path forward. It is our collective commitment to continuous improvement, innovation, and excellence that propels us toward our goals. By challenging ourselves to think differently, to embrace new ideas and perspectives, we empower ourselves to effect meaningful change within our institution and beyond.

As we stand on the cusp of a new chapter in the history of Sigma University, let us reaffirm our dedication to the principles of progress and change. Let us embrace the challenges and opportunities that lie ahead with courage, resilience, and an unwavering belief in our ability to shape the future.

Together, as a community united in purpose and vision, there is no limit to what we can achieve. Let us continue to strive for excellence, to push the boundaries of knowledge and innovation, and to inspire positive change in the world around us.

Thank you for your collaborative support and dedication to the ideals of Sigma University. With your continued commitment and collaboration, I am confident that we will continue to make strides toward a brighter and more promising future.

With warm regards,

**Dr. Harsh Shah**

**President,  
Sigma University**



## Message from the Desk of Vice President

### **Dr. Shreya Shah**

Dear Members of the Sigma University Family,  
It fills my heart with immense joy and boundless optimism as I pen down this message on the occasion of our Foundation Day, marking the end of our inaugural year, 2023-2024. As the Vice-President of Sigma University, and a proud new parent to my baby boy, Shaurya, this year has been nothing short of transformative, both personally and professionally.

This year, we embarked on an audacious journey to establish a bastion of excellence, innovation, and inclusivity in higher education. Our foundation year has been a testament to the strength of our collective vision and the indomitable spirit of our community. Together, we have laid the groundwork for what promises to be a remarkable legacy.

Our Annual Report for the year 2023-24, which we proudly release today, narrates the story of our first steps, the challenges we surmounted, and the triumphs we celebrated. It's a chronicle of dreams taking flight—of our inaugural batch of students, our pioneering faculty, and our dedicated staff coming together to create something truly special.

As we stand at this pivotal moment, I am reminded of the birth of my son, Shaurya, whose arrival this year has filled my life with a new sense of purpose and joy. His birth, coinciding with the birth of Sigma University, is a beautiful symbol of new beginnings and boundless possibilities. It reinforces my commitment to ensuring that our university becomes a place where future generations can thrive, innovate, and lead with compassion.

Looking ahead, our vision for Sigma University is clear and compelling. We aim to cultivate a vibrant academic community that stands at the forefront of research, creativity, and societal impact. We are dedicated to fostering an environment that encourages critical thinking, nurtures talent, and embraces diversity in all its forms. Our commitment to sustainability, technology, and global engagement will guide our path as we strive to make a meaningful difference in the world.

As we celebrate this Foundation Day, let us also recommit ourselves to the ideals upon which Sigma University was founded. Let us continue to inspire and support one another, to push the boundaries of what is possible, and to build a legacy that future generations will be proud of.

I am deeply grateful to each one of you for your faith, hard work, and dedication throughout this foundational year. Your contributions have been instrumental in making our dream a reality. Together, we have begun a thrilling journey—a journey that is just getting started. Here's to the many milestones we will achieve together in the years to come. With heartfelt gratitude and best wishes,

**Dr. Shreya Shah**  
Vice-President,  
Sigma University



Message from the Desk of Managing Director  
**Dr. Jigar Patel**

Dear Members of the Sigma University Community,

On this significant occasion of our Foundation Day, I extend my warmest greetings to each of you with immense pleasure and pride.

In the past year, Sigma University has remained steadfast in its pursuit of academic excellence, innovation, and societal impact. Through our collective efforts, dedication, and resilience, we have navigated challenges and emerged stronger. I am profoundly proud of the progress we have achieved together, and I extend sincere gratitude to our faculty, staff, students, alumni, and stakeholders for their unwavering support and contribution to our shared vision.

As we reflect on our accomplishments and anticipate the opportunities and challenges ahead, let us reaffirm our commitment to excellence in education, research, and service to society. Together, we will continue to forge new paths, inspire change, and positively impact the lives of our students and communities.

I offer my best wishes for the continued success and prosperity of our esteemed institution.

Warm regards,  
**Dr. Jigar Patel**  
Managing Director  
Sigma University



## Annual Summary Report from the Desk of Provost (Vice Chancellor)

**Dr. Priyesh P. Gandhi**

Sigma University Annual Report : Celebrating One Year of Excellence and Innovation  
Dear Esteemed Stakeholders

As we approach the auspicious occasion of our Foundation Day on April 20, 2024, I am delighted to present the inaugural annual report of Sigma University, Vadodara. As the founding Provost of this esteemed institution, it brings me immense pride to reflect on the remarkable journey we have embarked upon since our establishment one year ago.

Sigma University, established and granted university status in 2023, has swiftly emerged as a beacon of multidisciplinary education and interdisciplinary research. Approved by esteemed bodies such as UGC, AICTE, PCI, INC, GNC, GSCPT, and others, our university boasts 13 faculties and 14 institutes offering over 128 diverse programs and courses spanning various fields. Our vision at Sigma University is to be a university of global excellence, encompassing an inclusive learning ecosystem that empowers individuals to become socially responsible global citizens. Guided by our motto, " (Knowledge is Supreme Power), we are committed to empowering our students, faculty, and staff to excel in their respective domains while contributing meaningfully to society.

Allow me to highlight some of the notable achievements of Sigma University over the past year:

- 1. Strategic Collaborations:** We have forged over 40 strategic partnerships with industries and universities, both nationally and internationally. Noteworthy among these is our MOU with Zydex Industries P. Ltd, facilitating the introduction of specialized programs in Civil Engineering(Construction Technology) with lucrative stipends for students.
- 2. International Engagements:** Our collaboration with the Asian Institute of Technology, Bangkok, underscores our commitment to global excellence. Several of our students and faculty members participated in an immersive program at AIT Bangkok, enriching their academic and cultural experiences.
- 3. Infrastructure Development:** In line with our commitment to providing world-class facilities, we have inaugurated new infrastructure for various faculties, including Hospitality and Tourism, Design, and Science, enhancing the learning environment for our students and faculty members.
- 4. Corporate Social Responsibility:** Through collaborations with esteemed organizations like Shaily Plastic Engineering P. Ltd, we have established the Shaily Sigma Incubation Centre, equipped with state-of-the-art infrastructure to nurture innovation and entrepreneurship among our students.
- 5. Support for Startups:** Our recent partnership with Savli Technology & Business Incubator exemplifies our dedication to fostering a conducive ecosystem for startups, providing young minds with the resources and mentorship needed to transform their ideas into reality.

In addition to celebrating our achievements, it is imperative to chart a course for the future. As we align with the vision outlined in the National Education Policy 2020, I am pleased to present five key initiatives that will shape the trajectory of Sigma University:

**Curriculum Enhancement:** We will revamp our curriculum to incorporate interdisciplinary approaches, skill development, and experiential learning, ensuring our graduates are equipped to meet the dynamic demands of the global workforce.

**Research and Innovation:** Investing in research infrastructure and fostering a culture of innovation will remain paramount, with a focus on addressing societal challenges and contributing to knowledge creation.

**Internationalization:** We will continue to expand our global footprint through strategic partnerships, international collaborations, and exchange programs, providing our students with opportunities for cross-cultural exposure and learning.

**Technology Integration:** Embracing emerging technologies such as artificial intelligence, blockchain, and data analytics will be integral to enhancing teaching, learning, and administrative processes across the university.

**Community Engagement:** Strengthening our engagement with local communities and industries will be emphasized, with a focus on leveraging our expertise and resources for the socio-economic development of the region.

In conclusion, I extend my heartfelt gratitude to all our stakeholders – students, faculty members, staff, industries, and society at large – for their unwavering support and commitment to excellence. As we embark on this journey of transformation and growth, let us remain steadfast in our pursuit of knowledge and innovation, guided by our shared vision of global excellence. With warm regards,

**Dr. Priyesh P. Gandhi**  
Provost (Vice Chancellor)  
Sigma University, Vadodara



## Message from the Desk of Pro-Vice Chancellor

### Dr. R. C. Patel

“VidhyaDadatiVinayam, Vinayatyatipatratam; Patratamdhanamapnoti, dhanat dharma tatahsukham”. The Sanskrit verse means; knowledge develops humility, humility leads to development of a competent character, competent character brings in wealth and prosperity which when exercised with virtuousness and responsibility leads to happiness. It is my utmost pleasure to be associated with Sigma University to be able to contribute towards the development of future citizens that operate with a sense of responsibility to self, society and nation.

University is expected to be the apex epitome of teaching-learning, research and innovation and paves avenues for the pursuit of education and scholarship giving wings to explore new horizons of thought and mind which together shape their lives as also the lives of future generations. At the Sigma University along with global excellence we aspire to be an inclusive learning ecosystem that empowers individuals to become socially responsible global citizens. Pursuing such a gigantic vision while in its foundational year at an infantile stage is next to impossible without the support of the entire Sigma fraternity which includes the students, staff, faculty members and parents who have joined us from all parts of the country and abroad. I congratulate and thank all of you for having chosen to be with us and serve the cause of education.

Even in its infantile stage, I would say we are proud to be moving towards excellency in the academic field and progressing with a fast pace to achieve our vision to serve every section of the society, nation and world.

We at the university intend to intensify our endeavours to create a conducive ambience for our faculty, students, and staff to actualize their potential. The university intends to pursue a multi-stakeholder consultation approach, in which students, their parents, teachers and staff, employers, and alumni play a meaningful role.

Starting in 2023 as Sigma University, we have passed the year overcoming many challenges. We have expanded and have been growing steadily in terms of teaching and learning, research and publications. We believe that in near future, Sigma will emerge as the first destination hub for those who aspire to achieve knowledge and success in life.

From the current session 2023-24, we have aligned our examination system with the NEP 2020 guidelines. This has been done in keeping with the emerging trends in global education. We have introduced the National Academic Depository (NAD), the online store house of all mark sheets and certificates of degrees and diplomas in digitised format and align all our degree and skill courses and trainings to the Academic Bank of Credits (ABC) as per the NEP, 2020 guidelines. This will help our students to meet the global requirements whenever and wherever they want to utilize the same. We have found warm response from our faculty members and students while implementing the new changes in academic curriculum.

I urge everyone to join us in fostering a healthy, peaceful, and engrossing atmosphere at the university campus. We invite students and faculty to join us in our journey of making the university the best place to learn and work. As you embark on your educational journey with us, remember that you are part of a community dedicated to shaping the leaders and change-makers of tomorrow. I encourage you to embrace this transformative journey with enthusiasm, curiosity, and a commitment to lifelong learning. The Institution will remain committed to providing you with the tools, resources, and experiences necessary to realize your fullest potential and make a positive impact in the world.

I am honoured to be a part of your educational journey, and I look forward to witnessing your accomplishments and contributions to the society.

### Dr. R. C. Patel

Pro-Vice Chancellor  
Sigma University, Vadodara



Message from the Desk of Registrar  
A Year of Triumph at Sigma University : A Commemorative Message  
**Mr. Priyank Patel**

Dear Valued Members of Sigma University,  
As we celebrate the first anniversary of Sigma University, I am overwhelmed with a profound sense of pride and appreciation for the extraordinary voyage we have undertaken as one. This pivotal moment is a testament to our collective resilience and a tribute to our shared commitment to academic distinction and comprehensive development.

Embracing the principle that "Together, we rise by lifting others," we recognize the priceless contributions of every individual in our university family. Our faculty's passion for kindling the spark of curiosity in our students, and our administrative team's dedication to seamless operations, are the cornerstones of our success. Moreover, the spirit and achievements of our students have been the beacon that lights our path forward. Their zeal for learning and innovation fuels our mission and inspires us all.

Reflecting on the past year's accomplishments, we are inspired to approach the future with invigorated enthusiasm and resolve. We are poised to transcend the limits of excellence, venture into uncharted territories, and pursue relentless enhancement in every facet of our scholarly pursuit. United, we shall amplify our triumphs and navigate any obstacles that may emerge. In closing, I offer my deepest thanks to each one of you for your steadfast commitment and support. Let us collectively face the forthcoming challenges with bravery, perseverance, and hope, ever mindful of the adage, "Great Things Never Came from Comfort Zones."

"In the tapestry of life, we're all connected. Each one of us is a gift to those around us, helping each other be who we are, weaving a perfect picture together." - Anita Moorjani

**Mr. Priyank Patel**  
Registrar  
Sigma University, Vadodara





.....'Where Ideas Takes Shapes

MoU With (Organisation Name)	Sector/ Domain of Exchange
Ajeenkya DY Patil University, Pune	Education
Rishabh Software Pvt Ltd,	Skill training & Placement
D Y Patil International University, Akurdi, Pune	Education
Edunet Foundation	Education
Ward wizard Innovations & Mobility Limited (Joy e-bike)	General
Nims University Rajasthan, Jaipur	Education & Research
Makarpura Industrial Estate Infrastructure & Charitable Association (MGIA), Vadodara	Industry Institution Interaction Cell
Sanskriti University (Mathura - Delhi Highway, Chhata, Mathura, Uttar Pradesh)	Education, Skill& Research
Bharatiya Engineering Science and Technology Innovation University (BESTlu), Andhra Pradesh, India	Education, Skill& Research
LNCT University, Bhopal	Education, Skill& Research
LNCT Vidhyapeeth University, Indore	Education, Skill& Research
JNCT Professional University, Bhopal	Education, Skill& Research
Sushant University	Education, Skill& Research
Assam Down Town University, Guwahati, Assam	Education, Skill& Research
Shri Ramswaroop Memorial University	Education, Skill& Research
ISBM University Chhattisgarh	Education, Skill& Research
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)	Education, Skill& Research
Sam Global University	Education, Skill& Research
AAFT University of Media and Arts	Education, Skill& Research
Aks University Satna, District-Satna Madhya Pradesh-485334	Education, Skill& Research
Maharaja Agrasen Himalayan Garhwal University	Education, Skill& Research

# SIGMA ELITE PROGRAMS IN COLLABORATION

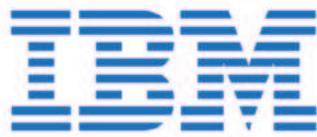


## 100+ PROMINENT RECRUITERS



.....And many more

# INDUSTRY ORIENTATION AND COLLABORATIONS



.....And many more

# STUDENT ENROLMENTS

## BATCH -1 : SIGMA UNIVERSITY



Department / Program Name	Department / Program Full Name	Student Enrolments
FCA	Faculty of Computer Science & Applications	255
FCM	Faculty of Commerce & Management	317
FDA	Faculty of Design	4
FET	Faculty of Engineering & Technology	42
FHT	Faculty of Hospitality & Tourism	44
FNS	Faculty of Nursing	46
FPH	Faculty of Pharmacy	57
FSC	Faculty of Science	149
FSV	Faculty of Skill & Vocational Development	19
FSW	Faculty of Social Work	6
SIE	Sigma Institute of Engineering	567
SIP	Sigma Institute of Pharmacy	120
	<b>Grand Total</b>	<b>1626</b>

# INTERNATIONAL STUDENTS @ SIGMA UNIVERSITY CULTURAL DIVERSITY

Sigma University allocates 15% of its seats to international students under the Foreign/NRI category. International students from different countries like Ghana, Afghanistan, Angola, Bangladesh, Bhutan, Mozambique, Nigeria, Uganda, Maldives, Sri Lanka, Liberia, Tanzania, Zimbabwe etc are/were studying under the ICCR scheme and self-finance/direct scheme @ SU.

Faculty	Program Name	Nationality	Total International Students (2023-24)
Faculty of Commerce and Management	MBA	Gambia	1
Faculty of Commerce and Management	MBA	Bangladesh	1
Faculty of Commerce and Management	MBA	Zimbabwe	1
Faculty of Commerce and Management	BBA	Mozambique	1
Faculty of Commerce and Management	BBA	Liberia	2
Faculty of Commerce and Management	MBA	Congo	1
Faculty of Commerce and Management	BBA	Tanzania	1
Faculty of Commerce and Management	B Com Hon	Afghanistan	4
Faculty of Commerce and Management	BBA & MBA	Ghana	12
Faculty of Computer Application	BSc IT	Liberia	1
Faculty of Computer Applications	BCA	Zimbabwe	2
Faculty of Nursing	GNM	Zimbabwe	1
Faculty of Engineering& Technology	BE Civil	Uganda (ICCR)	1
Faculty of Diploma Engineering	DE-IT (1) and Civil (1)	Zimbabwe	2
Faculty of Engineering& Technology	Mech. Engg. & Env. Engg.	Ghana	8
Faculty of Computer Applications	BCA & MCA	Ghana	4
Faculty of Pharmacy	BP	Ghana	3
Faculty of Pharmacy	B Pharm	Tanzania	2
Faculty of Hotel Management	DHTM	Tanzania	1
Faculty of Science	Nursing	Ghana	1
Faculty of Science	Information Technology	Ghana	8
Faculty of Social Work	MSW	Ghana	2

Total : 60 International Students



# INTERNATIONAL IMMERSION TWO WEEKS PROGRAM AT AIT, BANGKOK, THAILAND

The Two weeks International Immersion Program was held at Asian Institute of Technology (AIT) from 4th March 2024 to 17th March 2024. The Asian Institute of Technology (AIT)'s Master's in Business Administration (MBA) program, under the School of Management (SOM), has been ranked #1 in Thailand and #21 in Asia in the latest QS Global MBA Rankings 2023. AIT has its pride 1500+ students from across 40+ countries and over 20000+ Alumni from 100+ Countries/ Territories.

The Two weeks International Immersion Program at AIT aimed to promote personal development, cultural exchange, networking and passion for learning. Throughout the duration of the camp, various activities and sessions were conducted to facilitate learning and personal development among the participating students. A total of six students of Sigma University visited AIT alongwith one faculty member Prof. Kalyani Adawadkar.

The students were exposed to a wide range of topics like R Programming, Python Programing, UAV, ArcGIS project, Treasure Hunt based on Cordinates App (GNSS) etc, which allowed them to make informed decisions when selecting a field of study to pursue further. They experienced a distinctive approach to education characterized by interactive and practical teaching methods, fostering a more engaging learning environment.



# ROUND TABLE DELIBERATIONS OF CEOs ON INDUSTRY 5.0 & ROLE OF UNIVERSITIES ON June 2<sup>nd</sup> 2023

**SIGMA UNIVERSITY**  
VADODARA

**i5**  
Industry 5.0 & Role of Universities

**G20**  
भारत 2023 INDIA  
वसुधैव कुटुम्बकम्  
ONE EARTH • ONE FAMILY • ONE FUTURE

**75**  
Azadi Ka  
Amrit Mahotsav

## High Level Round Table Deliberation on Industry 5.0 & Role of Universities

Vadodara,  
Gujarat

June 2<sup>nd</sup>  
2023

**Topic :** Industry 5.0 and Role of Universities

**Speakers :** 30+ Speakers from industry

**Date :** 2<sup>nd</sup> June 2023 | Venue: Sigma University, Vadodara

**Objective/s of the Event :** To develop skills, foster symbiotic partnerships, explore the benefits of collaboration, address challenges, and highlight the impact of industry-university partnership

**Number of Participants (Approx.):** 100+

**Brief Summary Report :** The Round Table Deliberations of CEOs on Industry 5.0 and Role of Universities, including NEP 2020, was organized by Sigma University on 31st May 2023, with 30+ CEOs/industry leaders and about 100 delegates. It was a focused event aiming to develop skills, foster symbiotic partnerships, explore the benefits of collaboration, address challenges, and highlight the impact of industry-university partnerships. By bringing together CEOs and academic leaders, the event sought to shape the future of education and industry by leveraging collaborative efforts and preparing the workforce for the transition to Industry 5.0.





**SIGMA**  
**UNIVERSITY**  
— VADODARA —



# NATIONAL SUMMIT ON ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG 2023)

12<sup>th</sup> December 2023  
Hotel Grand Mercure Surya Palace  
Sayajigunj, Vadodara, Gujarat



POWERED BY



SUPPORTED BY





ENVIRONMENT



SOCIAL



GOVERNANCE

The **ESG Summit 2023** was attended by 350 delegates which included delegates from industry, government officials, academicians, free lancers as well as students. The registration was followed by a nutritious breakfast, and a lively Welcome Dance by Sigma University students. Dignitaries participated in a symbolic lamp lighting ceremony, followed by the felicitation of individuals on stage.

The ESG Summit 2023 witnessed the enthusiastic presence of Sigma University's influential figures, including **Shri Shaileshbhai Shah**, Founder and Chairman Emeritus; **Smt. Jyotsnaben Shah**, Principal Advisor; **Dr. Jigar Patel**, Managing Director; **Dr. Harsh Shah**, President and **Dr. Shreya Shah**, Vice President of Sigma University, conveyed their heartfelt best wishes affirming Sigma University's commitment to the Summit's success.

Shri Shaileshbhai Shah emphasized the importance of sustainable goals and expressed gratitude to all dignitaries for their active participation. Dr. Jigar Patel affirmed Sigma University's commitment to positive causes, highlighting the summit's potential benefits for all stakeholders.

The event was graced by the august presence of the Chief Guest, **His Excellency Mr. Edy Wardoyo**, The Consul-General Indonesian Consulate-General in Mumbai; Special Invitees **Padma Shri Dr. G. D. Yadav**, Ex-Vice Chancellor, Institute of Chemical Technology, Mumbai; **Mr. Ratnesh Jha**, Executive Director, UN Global Compact Network India, New Delhi and **Dr. R. Venugopal**, **IPESS**, Joint Chief Controller of Explosives, PESO, Vadodara, Gujarat

**Dr. Priyesh Gandhi**, the Provost of Sigma University, introduced the institution and emphasized the collaborative effort to address environmental, social and governance issues. **Dr. Ranjita Banerjee** expressed gratitude in her Welcome Address, while **Dr. Sanjay Gandhi** highlighted the Summit's significance and the importance of accountability for climate sustainability. The event promised insightful discussions and initiatives for a sustainable and responsible future.



# INAUGURAL SESSION



# GRAND LAUNCH OF FACULTY OF DESIGNING & NEW BUILDING OF FACULTY OF SCIENCE & ADMISSION CELL





## **DEVELOPMENTS & ACHIEVEMENTS GALORE OF THE FACULTIES & INSTITUTIONS @ SIGMA UNIVERSITY (YEAR 2023-24)**



# SIGMA ENTREPRENEURSHIP DEVELOPMENT & INCUBATION CENTER (SEDIC)

## About the Incubation & Startup Center

Sigma Entrepreneurship Development & Incubation Center, established in 2017, serves as a catalyst for entrepreneurial ideation and early-stage Ideators & Startups. SEDIC, has initiated the IP Cell, offering patent support, IP guidance, and assistance with design patents. Additionally, To Convert Idea into Reality, To Make Prototype & PoC, Center provides the funding support of up to Rs. 2.5 Lakhs under SSIP - Student Start-Up & Innovation Policy, supported by the Education Department, Govt. of Gujarat. Moreover, it provides funding Assistance of up to Rs. 30 Lakhs under the Scheme for assistance for Start-Ups/Innovation - Gujarat Industrial Policy 2020. SEDIC offers these funding opportunities alongside Product Design and Development, Business Mentoring, Technical Guidance, Venture and Angel Investment, as well as Networking Support.

## Activities under SEDIC

### Creation of Shaily Sigma Incubation Center (Inauguration Ceremony)

**Date:** 13th July 2023 | **Participants:** 150 +

**Outcome of Event:** Collaboration between Sigma Incubation Center & Shaily Engineering Plastics. Develop entrepreneurial mindset among students & provide Financial support to innovative ideas

### Cheque Distribution to New Ideators from Shaily Sigma Incubation Center

**Date:** Oct 2023 | **Participants:** 120 +

**Outcome of Event:** Financial Support provided to ten New Ideators from Shaily Sigma Incubation Center for Prototyping Development.

### Reaching to Unreached

**Date:** 23rd-24th January 2024 | **Participants:** 80+ (Skill Workers, Vendors)

Awareness program on Intellectual Property Rights (IPRs) among the MSMEs of Gujarat, is being initiated by India SME Forum, the implementing agency and organized by CIPRPF, with support from Ministry of MSMEs, GOI...Sigma University is Knowledge Partner for the same.

**Venue:** Simalkuva & Naswadi, Dist: Chotaundaipur

**Outcome:** Mr. Nirav Patel, Sr. Manager, Incubation Center from Sigma University

Oriented the participants on Brand building, Patents, Trademarks, Designs and geographical indications and why registering them is important for their businesses, updated on the MSME Innovative Scheme of the Government for IPR etc.

### Cheque Distribution to New Ideators from Shaily Sigma Incubation Center

**Date:** 3rd February 2024 | **Participants:** 120+

The Industry Institute Interaction (III) Cell at Sigma University plays a pivotal role in shaping students' professional journeys through pre-placement training, mock interviews, grooming sessions, and placement drives etc. Additionally, the cell organizes valuable programs on suicide prevention, financial awareness, stress management, and other life-skills based programs contributing to the holistic development of students and preparing them for the challenges beyond academia.

## SEMINARS/WORKSHOPS / GUEST LECTURES CONDUCTED

### FDPS CONDUCTED

FDP on	Resource Person	Date / No. of Participants	Outcomes of the FDP
"Financial Awareness" for Female Faculties	Mr. Karan Dave, Financial Advisor, Advisor's Organization	1 <sup>st</sup> July 2023 35+ Faculties	Successfully equipped participants with essential financial skills and improved financial literacy to navigate the complexities of personal finance
"Future Training Learning and Teaching Needs"	Dr. Ajay Ranka, Chief Executive Officer, Zydex Group of Industries	15th July 2023 100+ Faculties	Awareness of technological changes in Industry 5.0, Strategies for Education
"Effective use of AI in Education"	Mr. Mayank Trvedi, Chief Executive Officer, MyOnsite Healthcare USA	21st July 2023 55+ Faculties	Gained knowledge on how to use AI for teaching & improving pedagogy
"Stress Management"	Ms. Jagruti Gala, Mentor and Faculty, Maitribodh	8th December 2023 45+ Faculties	Acquired effective coping mechanisms to manage and mitigate stress; Gaining resilience
"Financial Awareness"	Mr. Karan Dave, Financial Advisor, Advisor's Organization	30th December 2023 55+ Faculties	Attendees gained a deeper understanding of budgeting, saving, and investment strategies, enabling them to make informed financial decisions

## WORKSHOPS CONDUCTED

Workshop on	Resource Person	Date / No. of Participants	Outcomes of the FDP
“Women Legal Rights Awareness”	Mr. Parikshit Waghela & TEAM, The Woman & Child Development Department, Govt. of Gujarat, Vadodara	5th August 2023 80+ Participants	Raised awareness on women as well as child rights and braking the social stigma related to the same.
“Suicide Prevention”	Ms. Purvi Bhimani, Career Counsellor, Founder, AMAM, Works for mental healthcare	22nd September 2023 90+ Participants	Contributed in diminishing the stigma surrounding mental health and suicide, fostering a more understanding and supportive community.
“Basic Metrology & Positive Attitude”	Mr. Girish Mewada, Managing Director, GM Gauging Solutions	26th April 2023 70+ Participants from Faculty of Engg. & Tech. (FET)	Participants learnt vital employability skills; Gained confidence to crack interviews.
“Emerging Opportunities in Construction Chemical Technology”	Ms. Aanal Shah, HR – Admin, Fairmate Chemicals Pvt. Ltd.	28th April 2023 80+ Participants from Faculty of Engg. & Tech. (FET)	Acquired practical skills required in the specific Sector of Industry (construction chemical technology).
“Industrial Automation”	Ms. Bhavi Desai & Ms. Jemisha Kyada, Automation Engineer, Alphatech Automation	5th May 2023 70+ Participants from Faculty of Engg. & Tech. (FET)	Bridged the skill-gap; Acquired practical skills required in the Industrial Automation Sector.
“Emerging Opportunities in IT sector”	Mr. Surendra Singh, GM – HR, Infodesk	18th May 2023 80+ Participants from Faculty of Engg. & Tech. (FET)	Participants learnt vital employability Skills required in the IT & ITeS sector.
“IT & Computer Sector Opportunity”	Mr. Ankit Pandya, Manager, Paul Mason Consulting (PMC India)	6th May 2023 50+ Participants from Faculty of Engg. & Tech. (FET)	Participants learnt vital employability Skills, including cracking interviews, required in the IT & Computer sector.
“Top 10 Trending Technologies in IT”	Mr. Jigar Thakkar, Exe. Engineer, Tops Technologies	15th September 2023 80+ Participants from Faculty of Engg. & Tech. (FET)	Participants learnt the trending technologies in the IT & ITeS sector.
“Opportunities in Graphic Design & Animation”	Ms. Nidhi Patel & Mr. Sagar Goti, CMO & Tech. Expert, Technoshiksha	21st September 2023 80+ Participants from Faculty of Engg. & Tech. (FET)	Participants learnt the add on training skills and opportunities in the field of graphic designing and animation.
“AWS Cloud Career”	Mr. Nisarg Pathak, AAI-AWS Authorised Instructor, NSEIT Ahmedabad	27th September 2023 100+ Participants from Faculty of Engg. & Tech. (FET)	Participants learnt the knowledge & skills related to AWS Cloud.
“Cyber Security in 21st Century: India & the Geopolitics of Cyberspace”	Dr. Sameer Patil, Sr. Fellow & Dy. Director, ORF Mumbai	17th October 2023 100+ Participants from Faculty of Engg. & Tech. (FET)	Participants learnt the knowledge & skills related to cyber security, ethical hacking and geopolitics of



		&Faculty of Computer Applications (FCA)	cyberspace.
“AWS Discovery Day”	Mr. Ritesh Joshi & Mr. Sivakumar, Head, AWS Architect Solution Trainer, Ensetu Solution Pvt. Ltd., AWS Ahmedabad	26th October 2023 100+ Participants from Faculty of Pharmacy	Participants learnt the knowledge & skills related to AWS.
“Understanding the Fintech Ecosystem: From Net banking to MSME Lending”.	Mr. Sauradeep Bag, Associate Fellow, ORF Mumbai	27th October 2023 90+ Participants from Faculty of Commerce & Management (FCM) & Faculty of Engg. & Tech. (FET)	Participants acquired the knowledge, skills and understanding related to the Fintech industry.
“Youth Leadership Training Camp organized by the Government of Guj”	Ms. Irfatnaz Shaikh, Head, Language Cell	14.09.2023 to 16.09.2023 40+ Participants from Faculty of Commerce & Management (FCM)&Faculty of Engg. & Tech. (FET)	Participants acquired practical skills for effective leadership and community impact.

### STUDENT PARTICIPATION ACTIVITIES @ III CELL

Event Details	Date	Outcomes	Number of Participants
Pre-placement Training Geo Design Ind.	11 <sup>th</sup> January 2024	Enhanced Interview Skills: Participants improved their ability to navigate interviews confidently. Polished Resume Writing: Attendees refined their resume-writing skills for impactful job applications.	35
Pre-placement Training Finolex Pipes	9 <sup>th</sup> January 2024	Polished Resume Writing: Attendees refined their resume-writing skills for impactful job applications. Elevated Confidence: The training contributed to increased self-assurance in professional settings.	20
Pre-placement Training CEAT Tires	29 <sup>th</sup> January 2024	Increased Job Market Readiness: Preplacement training resulted in heightened preparedness for the competitive job market. Effective Networking: Participants developed networking skills crucial for career advancement.	12

## ABOUT THE FACULTY

The Faculty of Commerce & Management (FCM) encompasses a diverse range of disciplines including MBA, BBA and B.Com. The Faculty prepares students for a variety of careers in business, finance, accounting, marketing, digital marketing, human resources, and other related fields. The programs offered by the Faculty are designed to provide students with practical skills that they can apply in real-world situations. This includes skills such as accounting, financial analysis, marketing, business strategy, and more.



## WORKSHOPS/ SEMINARS CONDUCTED

Workshop On	Resource Person	Date / No. of Participants	Outcomes of the Workshop
Student Awareness Program on Financial Awareness	Mr. Karan Dave, Financial Advisor, Sponsored by SEBI	29th December 2023 Participants: 50 +	The students understood how they should systematically use their money for better and maximum returns.
Startup And Entrepreneurship Conclave	Ms. Deval Dave Joshi, Consultant & Trainer	10th August 2023 Participants: 100 +	Enabled students for making key decisions, taking risks, and driving the success or failure of the business.
Skills & Competencies required in the 21st century	Dr. Rajesh Khajuria, Professor & Dean, GSFC University	24th August 2023 Participants: 100+	Students got oriented to the skills and competencies required at the work-place.
Understanding the Fintech Ecosystem: From Net banking to MSME Lending.	Mr. Sauradeep Bag, Associate Fellow, ORF Mumbai	27th October 2023 90+ Participants from Faculty of Commerce & Management (FCM) & Faculty of Engg. & Tech. (FET)	Participants acquired the knowledge, skills and understanding related to the Fintech industry.
Youth Leadership Training Camp organized by the Government of Guj	Ms. Irfatnaz Shaikh, Head, Language Cell	14.09.2023 to 16.09.2023 40+ Participants from Faculty of Commerce & Management (FCM) & Faculty of Engg. & Tech. (FET)	Participants acquired practical skills for effective leadership and community impact.
Value Education from Life of Sh. Vivekananda	By Swamiji, Volunteer, Ramkrishna Mission, Vadodara	12.1.2024 60+ Participants from FCM	Learnt the values of simple living, high thinking, from the excerpts of the Talk on Swami Vivekananda

## STUDENT PARTICIPATION AT FCM

Event Details / Date of Execution	Outcomes	Number of Participants	Beneficiaries
Wall of Kindness Date: 7.8.2023	Distribution of clothes to needy	50	40
Best Out of Waste Date: 8.8.2023	Students have made beautiful items from waste materials	100	-
Sports day Date: 9.8.2023	Race 100 m, 200 m	50	-
CSR Activity: Activities at 'Surabhi' Lions Blind Girls School Date: 11.8.2023	Students visited blind girls school and shared quality time with them	20	60
CSR Activity: Helping Hearts Date: 12.8.2023	Students cooked food for poor people and served them on SSG road, Vadodara.	30	150
CSR Activity: Saluting Social Workers: Endless Gratitude Date: 12.8.2023	Students have made gratitude card for thanking the social workers of our district.	30	60

CSR Activity: Awareness Drive: St. Roosevelt Public School Date: 11.8.2023	Students have given awareness about sanitary hygiene to girls students of school.	20	200
CSR Activity: We Help People Foundation- 11.8.2023	The group distributed 100 books and a few stationery items with this small act of kindness	20	150
CSR Activity: Transcending Labels: A Personal Interview with a Transgender Voice Date: 11.8.2023	Students took the initiative to meet and know how the transgender life work, what problems are faced by them and what frauds happens.	20	10
CSR Activity: Creating Smiles: Sharing Moments with Young Hearts Date: 12.8.2023	Students took the initiative to visit and spend time with young hearts.	10	20
Orientation Session of International Students from Ghana 3.11.2023	A live blend of cultural mixes could be witnessed by seeing our Indian students dancing in the tunes of African folk song alongwith the international students from Ghana	60	60
NSS Activities	Campus Cleanliness Drive and Awareness program	20	-
Sigma Sports Club	Sports, games and activities	40	-
Language Club Activities	Language Club activities for English language proficiency, confidence building etc.	15	-

## STUDENT ACTIVITIES AND ACHIEVEMENTS

Eminence 2024 was organized with great pomp and show as a collaborative Fest activity by Faculty of Engineering & Technology, Faculty of Commerce & Management & Faculty of Computer Applications on 14<sup>th</sup> & 15<sup>th</sup> March 2024 at Sigma University. Numerous technical and non-technical events were organized by FCM like, Buzz Tank, Biz Quiz, Ad-mad Show etc to name a few and won numerous prizes. A total of 1100 students had participated in the event through collaborative efforts. About 15 student volunteers from FCM played a very active role to lead the event successfully.

- Thalassemia Test was conducted by Indian Red Cross Society on 28<sup>th</sup> March 2024 and 45 students of Faculty of Commerce & Management undertook the Test successfully, vouching the students' and Faculty's commitment towards health and a better tomorrow.
- Students of BBA Semester 6 appeared for Placement Interview by TCS and three students were selected after several rigorous screening rounds.

## RESEARCH STUDIES

<b>Research Scholars in the Faculty</b>	<b>Number of PhD Supervisors in the Faculty</b>
11	03

## FACULTY PARTICIPATION IN KNOWLEDGE ADVANCEMENT

Faculty Name	Details of Event / Participation	Outcome
Prof. (Dr.) Ranjita Banerjee	Co-Convener, Environmental, Social & Governance (ESG) 2023 National Summit held on 12th December 2023	Gathered about 350 delegates and 30+ Speakers on ESG in one platform
Prof. (Dr.) Ranjita Banerjee	Co-Convener, EMINENCE 2024, held on 14th & 15th March 2024	Encouraged student participation in various tech and non-tech events.
Ms. Neha R. Tiwari	16th Doctoral Conference at Nirma University on 16th March 2024	Got Knowledge about Doctoral Program
Ms. Heena Yogeshbhai Sinde	International E-Conference on 'Challenges and prospects in sustainable business development' at ChattrapatiShahuji Maharaj University, Kanpur on 21-22 Nov 2023.	Got Knowledge about sustainable business development
Dr. Snehal Shah	Active participation as Organizing Committee in ESG 2023 National Summit held on 12 <sup>th</sup> December 2023 held at Grand Mercure, Vadodara.	Exposure on listening to active panel discussions on Environmental, Social and Governance aspects as a contemporary topic. Also got the exposure to organize an event of a stature involving 350+ Delegates from industry, academia, media etc.
Mr. Arun Shah		
Ms. Sumaiya Shaikh		
Ms. Grishma Shitole		
Ms. Sapna Shekhawat		
Ms. Arpita Vyas		
Ms. Heena Sinde		
Ms. Priyanka Solanki		
Ms. Jayati Roy		
All faculties of the Department	Workshop on Intellectual Property Rights	Gained knowledge on IPR.
All faculties of the Department	Workshop on Teachers Training	Gained knowledge improving quality of teaching.

## COLLABORATION WITH WIRC-ICAI AND SIGMA UNIVERSITY

The Institute of Chartered Accountants of India collaborated with Sigma University, with execution done by Faculty of Commerce & Management as well as Sigma Entrepreneurship Development & Incubation Center for the following aspects:

- Establishment of an Accounting Museum at Faculty of Commerce & Management
- Workshop / Seminar Sessions conducted by Speakers from ICAI, for topics related to Accounting / Finance for students
- "Train Earn Learn (TEL)" – a Skill Development Program for students, in partnership with the Western India Regional Council (WIRC) of the Institute of Chartered Accountants of India (ICAI), which will be spread over for about 36 hours.

## RESEARCH PUBLICATIONS OF FACULTIES

Faculty Name	Title of Paper	journal/ Book	Name of Journal / Book with ISSN/ ISBN
Prof. (Dr.) Ranjita Banerjee	A Critical Review on Technical Operation and Reducing Human Errors	International Journal	International Journal of Engg. Applied Sciences & Technology (IJEAST) (ISSN: 2455-2143; DOI: 10.33564); Vol. 8, Issue 1

## ABOUT THE FACULTY

The Faculty of Engineering & Technology (FET) encompasses a diverse range of disciplines focused on designing, innovating, and constructing solutions to real-world problems. Its interdisciplinary nature spans fields such as Mechanical, Electrical, Civil, Chemical, Computer Engineering, Automobile and Information Technology. Through rigorous curriculum and hands-on experience, students develop proficiency in technological advancements, sustainability practices, and ethical considerations. The faculty cultivates an environment conducive to research, collaboration, and creativity, preparing graduates to address global challenges and drive technological progress in various industries, from infrastructure development to cutting-edge technology innovation.



## ELECTRICAL ENGINEERING DEPARTMENT

Electrical Engineering, one of the core courses of engineering discipline deals with the study of design, development, and maintenance of electrical systems and their components, ensuring quality, safety, reliability, and sustainability. This department has various laboratories in the areas of Basic Electrical, Microprocessor, Electrical Machine, Electrical Measurement, Power Electronics, Computer Laboratory, High Voltage and Switchgear & Protection Laboratory. The department has 208 students.

The department visions to provide an effective Teaching -Learning environment to acquire skills and knowledge in the field of Electrical/EC Engineering and inculcate values in students for lifelong learning and service to the society.

## SCIENCE & HUMANITIES DEPARTMENT

The Department of Science and Humanities involves teaching Engineering Mathematics, Calculus, Engineering Physics A & B, Chemistry, Industrial Economics, Professional Ethics, Professional Communication and Life Skills connected with all the programmes offered by all other departments. In addition to that, the department provides, assistance in technical projects. The department maintains three well-equipped laboratories for Engineering chemistry, Engineering Physics and Language Lab which is used by students of all branches of Engineering to fulfil their B. Tech degree requirement. The language lab is used by the post graduate students as well to enrich their communication competence. It also aims to maintain good linguistic proficiency through accuracy in grammar, pronunciation and vocabulary.

The Department of Science and Humanities has access to all streams of students irrespective of their subject specialization. It helps them mould the right attitude towards Mathematics, Physics, Chemistry, Economics and English. This interdisciplinary approach creates well-rounded engineers, fostering ethical awareness, effective communication, and a broader societal perspective in technological advancements.

### STUDENT ACTIVITIES AT FET

Event Details/ Date of Execution	Outcomes	Number of Participants	Beneficiaries
Village Visit to Bakrol village- August 2023	Empowered girls and created a more equal society. Raised awareness about the harmful effects of smoking and tobacco was crucial for the villagers' well-being	40+	50+

## WORKSHOPS CONDUCTED

Workshop on	Resource Person	Date / No. of Participants	Outcomes
"Time Management"	Ms Shweta Patel	2 <sup>nd</sup> August 2023 210 participants of FET	Enhanced Productivity by effectively managing time
"Positive Attitude"	Mr Rohit Dave	3 <sup>rd</sup> August 2023 200 participants of FET	Resilience & success; enhance work productivity
"National Constitution Day Of India-2023"	Dr. N.A. Reddy	26 <sup>th</sup> November 2023 200 participants of FET	Acquired knowledge about the National Constitution of India`
"National Education Day"	Dr. N.A. Reddy	11 <sup>th</sup> November 2023 200 participants of FET	Gained knowledge in Education
"Energy Swaraj Yatra"	Prof. Chetan Singh Solanki	12 <sup>th</sup> May 2023 50 participants of FET	Awareness of Energy, its generation, consumption, wastage etc.

## COMPUTER SCIENCE ENGINEERING

Computer Science is applied to a wide range of disciplines that include modelling simulations such as the impacts of climate change and the Ebola virus, creating art and visualization through graphics rendering, and simulating a human interface through artificial intelligence and learning. Computer Engineers contribute to the development of computer hardware, software, networks, bridging the gap between electrical engineering and computer science.

### SEMINARS CONDUCTED

**Seminar on: "Why Engineering"**

**Resource person:** Mr Vijay Parmar

**Date:** 1<sup>st</sup> August 2023 | **Participants:** 200

**Outcome of the Event:** Technological Progress & Innovation Impact

### FACULTY PARTICIPATION IN KNOWLEDGE ADVANCEMENT

Faculty Name	Details of Event / Participation	Outcome
Dr. Sheshang Degadwala	Completed Short Term Course on Strategy Formulation and Data Visualization from IIT, Madras.	Got Knowledge about Data Visualization
Dr. Sheshang Degadwala	Participated in Two-week Online Workshop on Asymptotic Analysis of Algorithms Organised by NIT, Warangal	Got Knowledge about Algorithms.
Dr. Sheshang Degadwala	Attended National Seminar on NAAC at Modi University.	Got Knowledge about NAAC



## FACULTY ACHIEVEMENTS

- Dr. Sheshang Degadwala, received the prestigious Research Achievement (Computer Science) award from UILA,2024 on 16.02.2024.
- Dr. Sheshang Degadwala, received the Outstanding Teacher of the Year Award from UNI-TEAS Award 2024 on 06.01. 2024.
- Dr. Sheshang Degadwala, received the Best Researcher Award from International Research Award on Sensing Technology from Science Father 2023.
- Dr. Sheshang Degadwala, received the Young Researcher Award 2023 award from InSc.
- Dr. Sheshang Degadwala, received the IRSD Prominent Researcher Award from IRSD 2023.

## RESEARCH PUBLICATIONS OF FACULTIES

Faculty Name	Title of Paper	Referred Journal/ Book/ Chapter in Book/ Proceedings	Name of Journal / Book with ISSN/ ISBN
Dr. Sheshang Degadwala	Methods of Transfer Learning for Multiclass Hair Disease Categorization	IEEE Proceedings	2023 2nd International Conference on Automation, Computing and Renewable Systems (ICACRS)
Dr. Sheshang Degadwala	An original data encryption technique for communication networks	Scopus Journal	International Journal of Electronic Security and Digital Forensics
Dr. Sheshang Degadwala	Data hiding using video steganography	Scopus Journal	International Journal of Electronic Security and Digital Forensics
Dr. Sheshang Degadwala	Deep Tread: Exploring Transfer Learning in Tyre Quality Classification	IEEE Proceedings	2023 International Conference on Sustainable Communication Networks and Application (ICSCNA)
Dr. Sheshang Degadwala	Enhancing Raga Identification in Indian Classical Music with FCN-based Models	IEEE Proceedings	2023 International Conference on Sustainable Communication Networks and Application (ICSCNA)
Dr. Sheshang Degadwala	Revolutionizing Hops Plant Disease Classification: Harnessing the Power of Transfer Learning	IEEE Proceedings	2023 International Conference on Sustainable Communication Networks and Application (ICSCNA)
Dr. Sheshang Degadwala	Crime Pattern Analysis and Prediction Using Regression Models	IEEE Proceedings	2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)
Dr. Sheshang Degadwala	QoS Based Virtual Machine Consolidation for Energy Efficient and Economic Utilization of Cloud Resources	IEEE Proceedings	2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)
Dr. Sheshang	Recognition of	IEEE Proceedings	2023 International Conference

Degadwala	Pistachio Species with Transfer Learning Models		on Self Sustainable Artificial Intelligence Systems (ICSSAS)
Dr. Sheshang Degadwala	Exploring Transfer Learning Models for Multi-Class Classification of Infected Date Palm Leaves	IEEE Proceedings	2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)
Dr. Sheshang Degadwala	Advancing Erythematous-Squamous Disease Classification with Multi-class Machine Learning	IEEE Proceedings	2023 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)
Dr. Sheshang Degadwala	Determine the Degree of Malignancy in Breast Cancer using Machine Learning	IEEE Proceedings	2023 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)
Dr. Sheshang Degadwala	Unveiling the Power of Collective Intelligence: A Voting-based Approach for Dementia Classification	IEEE Proceedings	2023 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)
Dr. Sheshang Degadwala	Enhancing Traffic Management with YOLOv5-Based Ambulance Tracking System	IEEE Proceedings	2023 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE)
Dr. Sheshang Degadwala	Revolutionizing Prostate Cancer Diagnosis: Harnessing the Potential of Transfer Learning for MRI-Based Classification	IEEE Proceedings	2023 4th International Conference on Smart Electronics and Communication (ICOSEC)
Dr. Sheshang Degadwala	Safety Helmet Detection Using YOLO V8	IEEE Proceedings	2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN)
Dr. Sheshang Degadwala	EEG Brainwave Data Classification of a Confused Student Using Moving Average Feature	IEEE Proceedings	2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN)
Dr. Sheshang Degadwala	Prediction of CKD Using Expert System Fuzzy Logic & AI	IEEE Proceedings	2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS)
Dr. Sheshang Degadwala	Enhancing Prostate Cancer Diagnosis: Leveraging XGBoost for Accurate Classification	IEEE Proceedings	2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS)
Dr. Sheshang	Empowering	IEEE Proceedings	2023 5th International

Degadwala	Maxillofacial Diagnosis Through Transfer Learning Models		Conference on Inventive Research in Computing Applications (ICIRCA)
Dr. Sheshang Degadwala	Enhancing Alzheimer Stage Classification of MRI Images through Transfer Learning	IEEE Proceedings	2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA)

## RESEARCH STUDIES

Research Scholars in the Faculty	Number of PhD Supervisors in the Faculty
06	01

## INFORMATION TECHNOLOGY DEPARTMENT

The IT Department of Sigma University is extremely vibrant and is mentored by a group of very talented faculty team. The main focus of IT personnel are business computer network and database management, information security, business software development, and computer tech support.

## FACULTY PARTICIPATION IN KNOWLEDGE ADVANCEMENT

Faculty Name	Details of Event / Participation	Outcome
Ms. Kalyani Adawadkar	Module on "Generative AI: New policies, opportunities, and risks" by Researcher Academy on 21 <sup>st</sup> November 2023	Got insights into use of Generative AI
Ms. Kalyani Adawadkar	A virtual interactive session on "Impact of Generative AI on skills and Future Jobs in Higher Education" by India Didactics Association on 31 <sup>st</sup> July 2023	Got an awareness about impact of generative AI in higher education

## STUDENT PARTICIPATION / CLUB ACTIVITIES

Event Details	Outcomes	Number of Participants
New India Vibrant Hackathon-2023 at on 4 <sup>th</sup> November 2023	Students got an experience in competing in a hackathon	5
A project "Eye Access The AI third Hand" show cased at Vibrant Vadodara 2023	Students got an opportunity to showcase their project	4

## MECHANICAL DEPARTMENT

Mechanical Engineering (ME) is the study of physical machines that may involve force and movement. It is one of the oldest and broadest of the engineering branches. It combines engineering physics and mathematics principles with materials science, to design, analyze, manufacture, and maintain mechanical systems. Mechanical Engineering plays a vital role in shaping modern society, driving technological innovation, and addressing societal challenges to create a better world for current and future generations. It includes Manufacturing and Production, Energy Solutions, Healthcare Advancements, Infrastructure Development, Environmental Protection, Safety and Disaster Management and Communication and Transportation.

Mechanical Engineers contribute to innovation and problem-solving in various industries, designing and optimizing mechanical components and system.

### SEMINARS / GUEST LECTURES CONDUCTED

#### **Workshop on: "6-Point Understanding of Climate Change and Corrective Action"**

**Resource Person:** Prof Chetan Solanki

**Date:** 16<sup>th</sup> September 2023 | **Number of Participants (Approx.):** 200

**Objective/s of the Event:** Creating awareness about climate change and taking corrective actions

**Outcome of the Event:** Participants were able to understand how we have affected our environment and how is it our responsibility to take corrective actions.

Workshop on	Resource Person	Date / No. of Participants	Outcomes of the Workshop
Entrepreneurship Awareness Workshop	Mr. Jignesh Patel	4 <sup>th</sup> May 2023 Participants: 250	Awareness towards business and start-ups
Legal foundation for startup	Mr. Chintan Popat	6 <sup>th</sup> July 2023 Participants: 200	The creation of incorporating idea was achieved
Innovation and technology for gender equality	Mr. Shailesh Vasavada	8 <sup>th</sup> August 2023 Participants: 200	Achievements of migrant women and girls in technology and innovation while raising awareness of existing barriers to their access to digital services.
New Ideas for startup	Mr. Mithilesh Patel	9 <sup>th</sup> August 2023 Participants: 28	Achieved in generating ideas for business start-up
Investment Planning	Dr. Ritesh Amarsela	13 <sup>th</sup> September 2023 Participants: 200	Participants Learnt how to invest in a business
Business Marketing	Mr. Darpan Kadu	18 <sup>th</sup> April 2023 Participants: 200	Participants developed business marketing strategies among students.
Mind sets in team building	Mr. Shailesh Vasavada	19 <sup>th</sup> April 2023 Participants: 60	Participants learnt team dynamics
Making the secrets to	Dr. Mukti Shroff	18 <sup>th</sup> April 2023	Participants gained

personal development		Participants: 200	knowledge on to build personality development
Digital Business.	Mr. Kashik Lumbhani	26 <sup>th</sup> April 2023 Participants: 200	Participants learnt the Essentials of Digital Marketing Business
Effective Team Building	Mr. Rohit Dave	29 <sup>th</sup> April 2023 Participants: 200	Students learnt the art of team building and team work

## ELECTRICAL DEPARTMENT

Electrical engineering, one of the core courses of engineering discipline deals with the study of design, development, and maintenance of electrical systems and their components, ensuring quality, safety, reliability, and sustainability. An Electrical Engineer is someone who designs and develops new electrical systems, solves problems and tests equipment. They use the concepts of physics & mathematics in the domain of electricity, electromagnetism and electronics.

This department has various laboratories in the areas of Basic Electrical, Microprocessor, Electrical Machine, Electrical Measurement, Power Electronics, Computer Laboratory, High Voltage and Switchgear & Protection Laboratory.

The department consists of 6 faculty members and 208 students.

The department visions to provide an effective Teaching -Learning environment to acquire skills and knowledge in the field of Electrical/EC Engineering and inculcate values in students for lifelong learning and service to the society.

## ELECTRONICS & COMMUNICATION DEPARTMENT

Electronics communication involves the study of electronic systems, communication technologies, and signal processing. Electronics communication contributes to the development of telecommunication, broadcasting, and information technology, playing a crucial role in the digital age.

### SEMINARS/ GUEST LECTURES CONDUCTED

**Workshop on: "AIPHA Tech Automation"**

**Resource Person: Ms. Bhavi Desai**

**Date: 5<sup>th</sup> May 2023**    **Number of Participants (Approx.): 60**

**Objective/s of the Event:** Introduction to Plc Scada

**Outcome of the Event:** Students gained knowledge on Scada System & Plc

Workshop on "Energy Swaraj Yatra Modules"

**Resource person:** Prof. Chetan Singh Solanki

**Date:** 12th May 2023 | **Number of Participants (Approx.):** 50

**Objective/s of the Event:** Energy Literacy Training

**Outcome of the Event:** Awareness of Energy, its generation, consumption, wastage etc.

## RESEARCH STUDIES

Research Scholars in the Faculty	Number of PhD Supervisors in the Faculty
1	1

## CHEMICAL ENGINEERING DEPARTMENT

The Chemical Engineering department in FET-SU plays a crucial role in various industries by applying principles of chemistry, physics, mathematics, and engineering to design and optimize processes to produce chemicals, materials, and energy. Here are key aspects of the role of the Chemical Engineering department: Process design and Optimization, chemical plant Operation and Management, Materials Development Environmental Protection, Energy Production and Optimization, Pharmaceutical and Biotechnology Safety Engineering, Research and Development, Food and Beverage Industry, collaboration with other Disciplines.

Chemical Engineering department plays a vital role in designing sustainable processes, developing new materials, and contributing to advancements in various industries, ensuring the safe and efficient production of chemicals and products that impact our daily lives.

## STUDENT PARTICIPATION / CLUB ACTIVITIES

Event Details	Outcomes	Number of Participants
A two-day workshop on "Process Modelling and simulation using ASPEN Plus" at Ahmedabad University on 9 <sup>th</sup> -10 <sup>th</sup> February 2024	Gain the practical knowledge and application-based simulation by using the ASPEN plus	05 (Chemical Engineering Department)

## FACULTY ACHIEVEMENTS

Prof. Chintan V. Bhalerao, Asst. Professor, received the gold medal from Gujarat Technological University for securing 1<sup>st</sup> position in Master of Engineering (Computer Aided Process Design.)

## RESEARCH PUBLICATIONS OF FACULTIES

Faculty Name	Title of Paper	Referred Journal/ Book/ Chapter in Book/ Proceedings	Name of Journal / Book with ISSN/ ISBN
Mr. Akash R. Raval	Efficient Removal of Methylparaben from an Aqueous Stream Using Waste Tamarind Fruit Shell as a Biosorbent	International Peer Reviewed Journal	Water, Air, & Soil Pollution (Springer) 1573-2932
Mr. Akash R. Raval	Chapter 15: Green emulsion liquid membrane: An emerging green technology as a possible remediating approach for wastewater treatment	Book: "Environmental Metagenomics, Water Quality and Possible Remediation Measures of Polluted Waters: A Combined Approach"	Book Chapter

## RESEARCH PROJECTS GRANT RECEIVED

Project Title	Project Value (In Rs.)	Funding Agency	Brief Description
Manufacturing of sustainable bricks using the ceramic waste.	47,904	Shailey Sigma Incubation Centre, Vadodara	Manufacturing of sustainable bricks using the ceramic waste.

## CIVIL DEPARTMENT

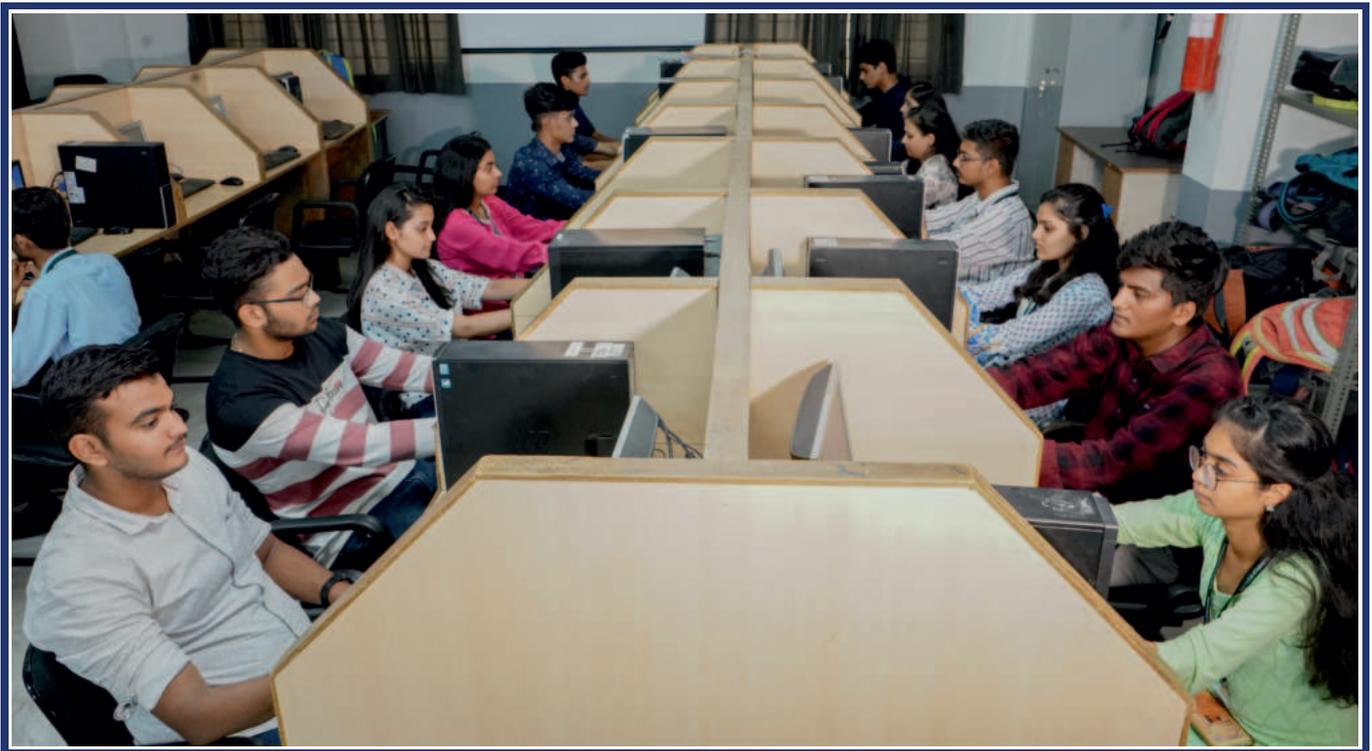
The Civil Department in Sigma University has laboratories for Surveying, Fluid Mechanics, Transport Engineering, Environmental Engineering and Geology for strengthening the practical knowledge of the students in various areas. These laboratories are imparting practical knowledge of the subject area. Department is also offering Post Graduate course in Transport Engineering.

## RESEARCH PUBLICATIONS OF FACULTIES

Faculty Name	Title of Paper	Referred Journal/ Book/ Chapter in Book/ Proceedings	Name of Journal / Book with ISSN/ ISBN
Dr Krunal Patel	Safety Helmet Detection using YOLO V8	IEEE	IEEE
Prof. Vikrant Prajapati	Safety Helmet Detection using YOLO V8	IEEE	IEEE
Prof. Darshak Chauhan	Safety Helmet Detection using YOLO V8	IEEE	IEEE
Prof. Adil Haji	Safety Helmet Detection using YOLO V8	IEEE	IEEE

## ABOUT THE FACULTY

At the Faculty of Computer Science and Applications, we provide cutting-edge programs that empower students to succeed in the ever-changing world of technology. Our Degree Programs have been designed by seasoned academicians and industry experts, ensuring that our graduates possess the knowledge, skills and attitude needed to excel in their careers. Whether you are interested in Software Development, Cyber Security, Data Science, or any other area of Computer Science, we have a program that will help you achieve your goals.





## DEPARTMENT ACADEMIC ACTIVITIES

### **Seminars/ Workshops / Guest Lectures Conducted**

#### **Seminar on “Why Engineering”**

**Resource person:**Sh. Vijay Parmar

**Date:**1<sup>st</sup> August 2023 I **Number of Participants (Approx.):** 150

**Objective/s of the Event:**To know all about Engineering

**Outcome of the Event:** Motivation for pursuing a career in Engineering

#### **Guest-Session on “Time Management”**

**Resource person:** Ms. Shweta Patel

**Date:**2<sup>nd</sup> August,2023 I **Number of Participants (Approx.):** 150

**Objective/s of the Event:**Time Management

**Outcome of the Event:**Participants learnt the art of maintaining a balanced schedule

#### **Seminar on “Positive Attitude”**

**Resource person:** Mr. Rohit Dave

**Date:**3<sup>rd</sup> August, 2023 I **Number of Participants (Approx.):** 150

**Objective/s of the Event:** To inculcate a positive attitude

**Outcome of the Event:** Developed the capability to inculcate positive attitude

#### **Guest-Session on “Techno Shiksha”**

**Resource person:** Mr Rohit Dave

**Date:** 21<sup>st</sup>September 2023I **Number of Participants (Approx.):** 150

**Objective/s of the Event:** To introduce IT and Design Courses

**Outcome of the Event:** The participants were conversant with the Courses in IT Sectors

#### **Guest-Session on “Cyber Security”**

**Resource person:**Mr Sameer Patil

**Date:** 17<sup>th</sup>October, 2023I **Number of Participants (Approx.):** 150

**Objective/s of the Event:**To create awareness about Cyber Security

**Outcome of the Event:** Participants were well conversant with Cyber Crimes Awareness

## STUDENT PARTICIPATION / CLUB ACTIVITIES

Event Details	Outcomes	Number of Participants
Orientation Programme of the 2023 Batch	Students knew the art of team-work, compassion, care, infrastructure awareness	140
Know your Department/ Institute		150
Know your university		150
Know hostel and other amenities		140
Information about Student Diary and Induction Programme		150

## FACULTY PARTICIPATION IN KNOWLEDGE ADVANCEMENT

Faculty Name	Details of Event / Participation	Outcome
Dr. Khyati Bane	IPR, Effective Teaching Skills, Cyber Security	Knowledge Enhancement
Ms. Kajal Patel	IPR, Effective Teaching Skills, Cyber Security	Knowledge Enhancement
Ms. Akruiti Padwal	IPR, Effective Teaching Skill , Cyber Security	Knowledge Enhancement
Ms. Yogita Patil	IPR, Effective Teaching Skills , Cyber Security	Knowledge Enhancement
Mr. Dharmendra Chavda	IPR, Effective Teaching Skills , Cyber Security	Knowledge Enhancement
Mr. Jaimin Chavda	IPR, Effective Teaching Skills , Cyber Security	Knowledge Enhancement
Mr. Dushyant Suryavanshi	Effective Teaching Skills	Knowledge Enhancement

## FACULTY ACHIEVEMENTS

Dr. Khyati Bane, received the prestigious Technical Program Committee Award from Charusat University on 7<sup>th</sup> September 2023.

### Research Publications of Faculties

Faculty Name	Title of Paper	Referred Journal/ Book/ Chapter in Book/ Proceedings	Name of Journal / Book with ISSN/ ISBN
Dr.Pankaj Dalal	Revolutionizing Prostate Cancer Diagnosis: Harnessing the Potential of Transfer Learning for MRI-Based Classification	International Conference on Smart Electronics and Communication (ICOSEC 2023)	DVD Part Number: CFP23V90-DVD; ISBN: 979-8-3503-0087-1
Dr.Pankaj Dalal	Stress detection using physiological sensors	Published in Vol X, Issue I, January 2023 Kanpur Philosophers	Kanpur Philosophers ISSN 2348-8301 UGC-Care List Group I Impact Factor- 5.45

## ABOUT THE FACULTY

The Faculty of Social Work at Sigma University is a renowned institution for social work, education and research. The faculty offers Undergraduate, Postgraduate, and Doctoral Programs that equip students with the necessary knowledge and skills to make a positive impact on the society. Our Faculty comprises experienced Professors and researchers who are dedicated to providing students with a comprehensive education and research opportunities in social work. Interdisciplinary coursework and collaboration with other departments and fields form the genesis of FSW.



## WORKSHOPS/ SEMINARS CONDUCTED

Workshop on	Resource Person	Date / No. of Participants	Outcomes of the Workshop
Relax and expand consciousness	Heartfulness Foundation	12.01.2024 300+ Participants	Benefits of meditation and expanding consciousness.
Value Education from Life of Sh. Vivekananda	By Swamiji, Volunteer, Ramkrishna Mission, Vadodara	12.1.2024 60+ Participants	Learnt the values of simple living, high thinking, from the excerpts of the Talk on Swami Vivekananda
De-addiction and mindful yoga	Art of Living Foundation	06.01.2024 100+ Participants	Benefits of De-addiction, healthy life and yoga.
Road Safety awareness by GRSA, RTO Vadodara	Mr. Avinash Rathwa	03.01.2024 200+ Participants	Traffic sense and road safety awareness.
'Shri Geeta Prerna' Teachings from the Bhagavad Gita	Satprerna Foundatio.	30.12.2023 130+ Participants	Learnings inculcated from the Bhagavad Gita
Datri blood stem cell donor's workshop	Datri foundation	26.12.2023 150+ Participants	Donating and registering blood stem cell donors.
How can a Person be filled with Wonderment	Yogi Srinivas Arka	27.12.2023 150+ Participants	The importance of spirituality, inner consciousness and knowledge.
Drugs Mukta Vadodara Workshop	Sambhav Initiative and Vadodara Police	21.12.2023 200+ Participants	Drug free city and healthy youth.
Voter's registration Session		January 2024 100+ Participants	Registering first time young voters of SU.
Creating Hope through action-suicide prevention seminar	Dr. G K Vankar.	15.09.2023 150+ Participants	Prevention of suicide among youth, counselling help etc
Human rights and personality development seminar	Aura Learning Foundation	7.09.2023 100+ Participants	Personality development, communication skills, team bonding activities

## STUDENT PARTICIPATION / CLUB ACTIVITIES

Event Details	Outcomes	Number of Participants
NSS Activities	Campus Cleanliness Drive and Awareness program	05
Sigma Sports Club	Sports, games and activities	05

### **Research Studies**

Research Scholars in the Faculty	Number of PhD Supervisors in the Faculty
01	01

## ABOUT THE FACULTY

The Faculty of Nursing at Sigma University is a leading institution dedicated to preparing students for successful career in the healthcare setting. The faculty offers a comprehensive education in nursing that focuses on the development of clinical competence, critical thinking, and compassionate care. It uses modern facilities and state of the art simulation labs provide students with practical experience in a safe and supportive learning environment.



## Department Academic Activities

### Celebration of "International Nurses Day"

**Date:**12<sup>th</sup> May, 2023 | **Number of Participants** (Approx.): 30

**Objective/s of the Event:**To raise the awareness of the important role nurses play in the society and the contribution, commitments of nurses among common public in providing the best health care service.

**Outcome of the Event:** Numerous competitions were held in the Faculty and students were felicitated in the event.

### Celebration of "Lamp Lighting & Oath Ceremony"

**Date:**14<sup>th</sup> June, 2023 | **Number of Participants** (Approx.): 100

**Resource Person :** Chief Guest : Dr. Bhikhubhai Patel / Ms. Varsha D. Rajput

**Objective/s of the Event:** The tradition of Lamp Lighting Ceremony serves as an icon and inspiration in nursing profession from Florence Nightingale who is known as the fonder of modern nursing. The Lamp Lighting Ceremony formally declares the student's entry into the nursing profession.

#### **Outcome of the event:**

Sigma Institute of Nursing, Bakrol, successfully completed the oath taking ceremony of their 16<sup>th</sup> Batch Of GNM, 5<sup>th</sup> Batch of B.sc Nursing , 2<sup>nd</sup> Batch of ANM students on 14<sup>th</sup> June, 2023.

### Faculty Participation in Knowledge Advancement

Faculty Name	Details of Events/ Participation	Outcome
Prof. Rashmita Sharma	Work shop on NAAC	NAAC related quality enhancement technique & knowledge enhancement of NEP 2020 guideline.

Ms. Sejal Maheta	Work shop on NAAC	NAACrelated quality enhancement technique & NEP-2020 guideline.
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### Celebration of “Lamp Lighting & Oath ceremony” on 19th March, 2024

**Date:**19<sup>th</sup> March, 2024 | **Number of Participants** (Approx.): 100

**Resource Person:** Dr. Minaxi, Chief Guest and Dr. Samir M Brahmbhatt, Chief Executive Officer, BAPS SM Hospital(Guest of Honour)

**Objectives of the Event:** The tradition of Lamp Lighting Ceremony serves as an icon and inspiration in nursing profession from Florence Nightingale who is known as the founder of modern nursing.The Lamp Lighting & Oath taking Ceremony formally declares the student’s entry into the nursing profession.

#### Outcome of the event

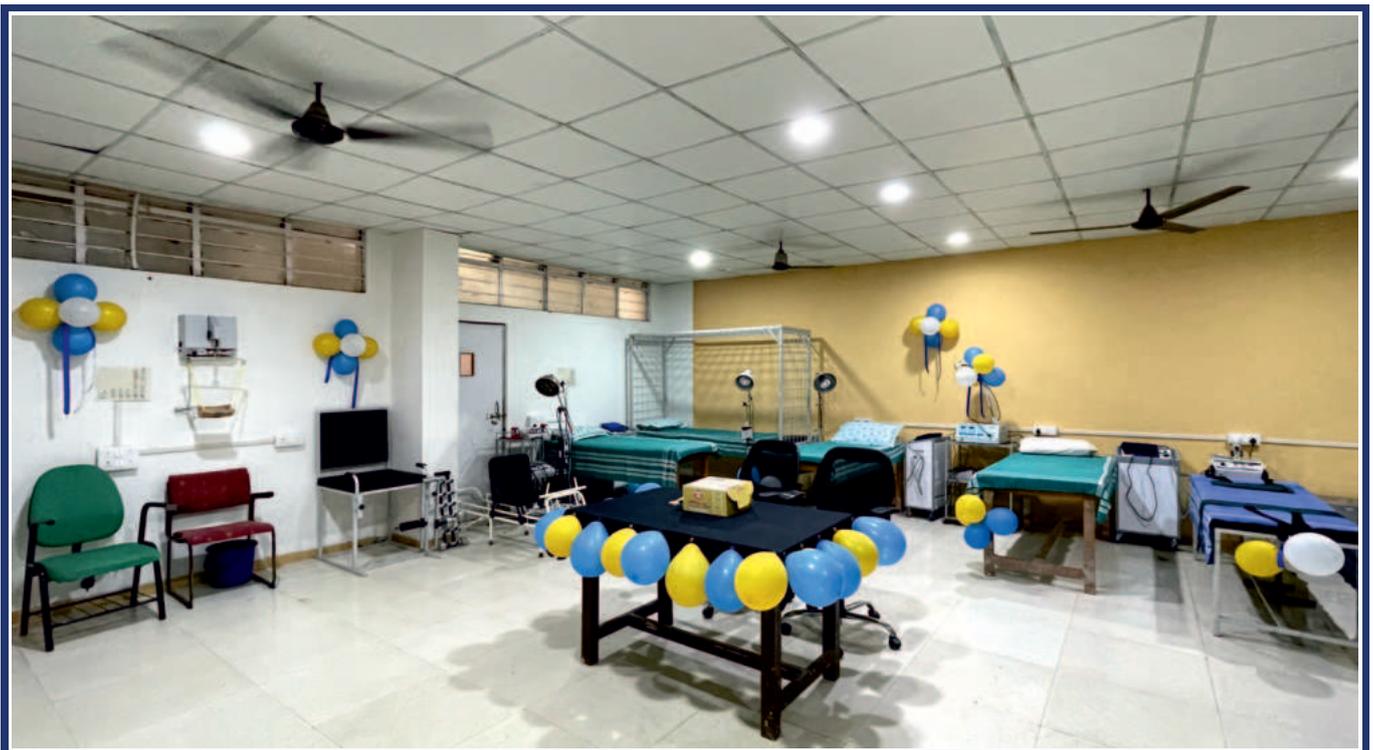
Sigma Institute of Nusing, Bakrol successfully conducted the Lamp lighting and oath taking ceremony of their 17<sup>th</sup> Batch Of GNM, 6<sup>th</sup> Batch of B.Sc Nursing , 3rd Batch of ANM students, marking the student’s entry into the nursing profession.

#### Student Participation/ Club Activities

Event Details	Outcomes	Number of participants
Role Play on “Beti Bachao Beti Padhao” by the 4 <sup>th</sup> year B.Sc. Nursing students, in the presence of Mrs. Nirmita Patel(Sarpanch) and other 49 women.  Date : 7.3.2024 Venue: Hanumanpura Gam Time: 11 -2pm	Role play was able to generate significant mass mobilization to eliminate gender discrimination and valuing the girl child specially at community setting.	36 Students
Role Play on “Beti Bachao Beti Padhao” Date : 8.3.2024 Venue: Timbi Gam Time: 10:00 -2:30 pm	Role play was able to generate significant mass mobilization to eliminate gender discrimination and valuing the girl child specially at community setting in and around the Timli Gam.	36 Students

## ABOUT THE FACULTY

The Faculty of Physiotherapy delivers an encompassing undergraduate curriculum in Physiotherapy, priming students for gratifying healthcare professions. Equipping them with skills to diagnose, treat, and prevent diverse physical ailments, the faculty emphasizes theoretical understanding and practical proficiency. Advanced pedagogical approaches and learner-centric activities, including workshops, talks, and interactive sessions with experts, enrich the learning experience. Additionally, students benefit from hands-on, project-based learning in well-equipped laboratories, alongside real-life project involvement for practical education. These initiatives ensure students receive a comprehensive education, fostering their readiness for impactful roles in the healthcare sector.





## SEMINARS / WORKSHOPS / GUEST LECTURES CONDUCTED

Seminar on : "How to Find a Good Research Topic ?"  
 Resource person : Dr. Sakina Lokhandwala (PT)  
 Date : 31st December 2023  
 Objective of the Event : Equip students with skills to identify and refine research topics that are novel, feasible and significant.  
 Outcome of the Event : Participants grew more confidence in choosing and refining research topics for academic projects.  
 Number of Participants : 25

Guest-Session on : "Inflammatory Arthritis"  
 Resource person : Dr. Himanshu Pathak  
 Date : 8th September 2023  
 Objective of the Event : Acknowledge students about challenges and advancements in field of inflammatory arthritis.  
 Outcome of the Event : Students understood the crucial role of physiotherapy in enhancing mobility, reducing pain, and preventing disability.  
 Number of Participants : 100

## STUDENT PARTICIPATION / CLUB ACTIVITIES

Event Details	Outcomes	No. of Participants
Khelo India Women's League Cycling Competition	Students provided vital Physiotherapy treatment, enhancing participants safety and performance. Their practical experience bridged academic learning with real-world application, ensuring smooth event operations.	6

## RESEARCH PUBLICATIONS OF FACULTIES

Faculty Name	Title of Paper	Referred Journal	Name of Journal / Book with ISSN/ ISBN
Dr. Hemangi Parmar (PT)	Effects of instrument-assisted soft tissue mobilization versus positional release therapy on pain and active cervical contralateral flexion in upper trapezius trigger points among healthcare practitioners: An Experimental Study.	International Journal of Current Science (IJCS PUB)	International Journal of Current Science (IJCS PUB) ISSN: 2250-1770

### **ABOUT THE FACULTY**

Faculty of Pharmacy started in 2004 and is growing enormously since last sixteen years under the amble leadership of Dr. Umesh M. Upadhyay, Founding Principal & Dean.

The mission of Sigma Institute of Pharmacy is to provide every student with the best possible opportunity to acquire relevant up to date knowledge of Pharmacy profession, to develop skills appropriate to the present and future global market needs and to inculcate moral values, self discipline, honesty, responsibility, dedication and personal integrity, which are utmost essential for the career of a successful pharmacist.



### **SEMINARS/ WORKSHOPS / GUEST LECTURES CONDUCTED**

1. Workshop on "Mega Placement Fair 2023 and release of White-paper on industry and role of universities"  
Date : 27th June 2023 | Number of Participants(Approx.): 100  
Resource person : Hon. Ranjanben Bhatt  
Outcome of the Event: Knowledge of the various industries and conducting a Placement Fair.
2. Seminar on 'Tribal development'  
Date:20thOctober 2023| Number of Participants(Approx.): 80  
Resource person : Sh. D.P Chabhadiya  
Outcome of the Event: Knowledge of the various industries and conducting a Placement Fair.  
Outcome of the Event : Students were aware of the cultural norms and other aspects related to tribals.

## STUDENT PARTICIPATION / CLUB ACTIVITIES

Event Details	Outcomes	Number of Participants
Mega Thalassemia Screening Camp	Successfully completed	130

## FACULTY PARTICIPATION IN KNOWLEDGE ADVANCEMENT

Faculty name	Details of event / participation	Outcome
Dr. Chainesh Shah	Guest lecture entitled "Research idea selection for dissertation" at CKP, Surat.	Workshop for 100 B.Pharm and 15 M.Pharm students turned out to be successful session.
Dr. Chainesh Shah	Guest lecture entitled "Role of QBD and ABQD in pharmaceutical research" at SNLPCP, Surat.	Around 100 B.Pharm and 30 M.Pharm students got hands on training as well as knowledge.
Dr. Chainesh Shah	National level Guest webinar entitled 'self-medication- awareness & prevention' at GCPER, Nashik.	Enlightened knowledge on current topic to various participants.
Isha shah	27 <sup>th</sup> Indo-USInternational Conference	Gained information on global developments and new findings in pharmaceutical sciences and technology
Divya Gupta	27 <sup>th</sup> Indo-USInternational Conference	Information on global developments and new findings in pharmaceutical sciences and technology
Kajal Vable	National level Seminar on Research Methodology	Information of research of new drug, method development and validation

## RESEARCH PUBLICATIONS OF FACULTIES

Faculty Name	Title of Paper	Referred Journal/ Book/ Chapter	Name of Journal / Book with ISSN/ ISBN
Dr. Chainesh Shah	Formulation and evaluation of mucoadhesive buccal tablets of Nicardipine	Journal	Pharma Science Monitor- An International Journal of Pharmaceutical Research ISSN: 0976-7908 Page 128-146
Dr. Chainesh Shah	Formulation and development of Cyclosporine Microsponges; Loaded topical drug delivery system by using quality byDesign	Journal	International Journal of Pharmaceutical Research and Applications ISSN: 2249-7781
Dr. Chainesh Shah	Formulation and development of Fexofenadine loaded fastDissolving film	Journal	Pharma Science Monitor- An International Journal of Pharmaceutical Research ISSN: 0976-7908 Page 201-236
Dr. Chainesh	Formulation and development of	Journal	International Journal of

Shah	Clotrimazole Nanoemulsion for Topical delivery by (QBD) quality by design approach		Pharmaceutical Research and Applications Volume 8, Issue 3 May-June 2023.
Dr. Chainesh Shah	Formulation and development of quetiapine fumarate Nano suspension using design of experiment	Journal	International Journal of All Research Education and Scientific Methods (IJRESM) ISSN: 2455:6211
Ms. Patel Ria Nitinbhai	Formulation and development of Luliconazole Microsponges for Topical delivery system using QBD Approach	Journal	International Journal of Creative Research Thoughts ISSN: :2320-2882 Vol 11 issue 5, 2023
Ms. Patel Ria Nitinbhai	Formulation and development of Cyclosporine Microsponges Loaded topical drug delivery system by using quality by Design	Journal	International Journal of Pharmaceutical Research and Applications ISSN:2249-7781 Vol 8 issue 3, 2023
Ms. Patel Ria Nitinbhai	Formulation and development of Fexofenadine loaded fast Dissolving film	Journal	Pharma Science Monitor- An International Journal of Pharmaceutical Research ISSN: 0976-7908 Vol 14 Issue 2, 2023
Dr . Priyanka Patil	Development and validation of RP-HPLC methods; Itaneous Estimation of dapagliflozin and linagliptin in synthetic mixture	Journal	International Journal for Research Trends and Innovation ISSN:2456-3315
Dr. Priyanka Patil	A review article on UV and HPLC method for Dapagliflozin and Linagliptin in synthetic mixture	Journal	International Journal of Pharmaceutical Research and Applications ISSN: 2249-7781
Ms. Isha Shah	Molecular Pharmaceutics	Book	Molecular Pharmaceutics (PV Books) ISBN: 9781543345919
Ms. Isha Shah	A Concise Book on Regulatory Affairs	Book	A Concise Book on Regulatory Affairs (CBS publications) ISBN: 9789354665967
Ms. Isha Shah	Enzyme-Responsive Delivery Nanoplatfrom in Cancer Theranostics	Book	Site-specific Cancer Nanotheranostics: A Microenvironment-Responsive Approach Disorders (CRC Press Taylor & Francis Publication) ISBN: 9781003368731
Ms. Isha Shah	Nano-therapeutics for insulin resistance and diabetes mellitus with metal nanocomposites	Chapter in Book	Metal Nanocomposites in Nanotherapeutics against Oxidative Stress Induced Metabolic Disorders (CRC Press, Taylor & Francis Publication) ISBN: 9781032621135
Ms. Isha Shah	Biomaterials-based additive manufacturing for customized Bioengineering in management of Otolaryngology: a state-of-the-art review	Book	Front Bioeng Biotechnol 11:1234340 (DOI:10.3389/Fbioe.2023.1234340)

Ms. Isha Shah	Potential Applications and Additive Manufacturing Technology-Based Considerations Of Mesoporous Silica: A Review	Journal	Aaps Pharmscitech 25:6 (DOI: <a href="https://doi.org/10.1208/s12249-023-02720-7">https://doi.org/10.1208/s12249-023-02720-7</a> )
Krishna k. Kalsara	A Review of FTIR – An Useful Instrument	Journal	International Journal of Pharmaceutical Research and Applications ISSN: 2249-7781, vol 8 and Issue 1
Mr. Krishna k. Kalsara	Formulation and evaluation of mucoadhesive buccal tablets of Nicardipine	Journal	Pharma Science Monitor ISSN: 0976-7908 Vol 14 Issue 2
Krishna k. Kalsara	A review on “Liposomal drug delivery system”	Journal	International Journal of Advance Research and Innovative ideas in Education ISSN (o) 2395-4396 Vol 8 and Issue 5
Krishna k. Kalsara	Development and Validation of RP-HPLC Methods For Simultaneous Estimation of Dapagliflozin and Linagliptin In Synthetic Mixture	Journal	International Journal for Research Trends and Innovation ISSN:2456-3315 Vol 8, Issue 5
Krishna k. Kalsara	Analytical method development and validation for Simultaneous estimation of sildenafil citrate and Bosentan in synthetic mixture	Journal	World Journal of Pharmacy and Pharmaceutical Sciences ISSN: 2278-4357 Vol 12 Issue 1
Mitali Dalwadi	Development and validation of uv spectroscopic and Rp-hplc methods for simultaneous estimation of Lamotrigine and bupropion in synthetic mixture	Journal	World Journal of Pharmacy and Pharmaceutical Sciences ISSN: 2278-4357 Vol 12, Issue 6,2023
Mitali Dalwadi	Development and validation of Analytical method for Simultaneous estimation of Gemigliptin and dapagliflozin in Synthetic mixture	Journal	International journal of novel research and development(ijnrd) Issn: 2456-4184 Vol 8, Issue 5 2023
Mitali Dalwadi	Analytical method development and validation for Simultaneous estimation of dapagliflozin and Hydrochlorothiazide in synthetic mixture	Journal	World Journal of Pharmacy and Pharmaceutical Sciences ISSN: 2278-4357 Vol 12 ,Issue 6 2023
Mitali Dalwadi	Development and validation of rp-hplc method for the estimation of mirabegron and silodosin in synthetic mixture	Journal	International journal of pharmaceutical research and applications ISSN: 2249-7781Vol, 8 issue 3 2023
Mitaldi Dalwadi	Review : analysis of different brands of Dapaglifozin (10mg) tablets using high performance liquid chromatographic (HPLC) method	Journal	International Journal of Pharmaceutical Research and Applications ISSN: 2249-7781
Mitaldi Dalwadi	Development and validation of RP-HPLC method for simultaneous estimation of	Journal	International journal of creative research thoughts

	dapagliflozin and rosuvastatin in synthetic mixture		Creative Research Thoughts ISSN: 2320-2882 Vol 11 Issue 5
Mitali Dalwadi	Development and validation of analytical methods For simultaneous estimation of telmisartan and Captopril in synthetic mixture	Journal	World Journal of Pharmacy and Pharmaceutical Sciences ISSN: 2278-4357 Vol 12, Issue 7, 2023
Mitali Dalwadi	Development and validation of stability indicating RPHPLC method for estimation of Dapagliflozin and Teneligliptin in synthetic mixture	Journal	International Journal of all Research Education and Scientific Methods
Mitali Dalwadi	Development and validation of UV spectroscopic method for simultaneous estimation of dapagliflozin and rosuvastatin in synthetic mixture	Journal	International Journal of Pharmaceutical Research and Applications Vol 8 Issue 3 2023
Divya Gupta	A Review Article on Multicomponent Estimation by Using UV Spectroscopy	Journal	International journal of Creative Research Thoughts. ISSN: 2320-2882
Kajal Vable	A Review Article on Self-Nanoemulsifying Drug Delivery System	Journal	Gradiva Review Journal UGC CARE Approved Journal ISSN: 0363-8057
Kajal Vable	Emulgel: An Emerging Novel Drug Delivery System	Journal	Gradiva Review Journal UGC CARE approved journal ISSN: 0363-8057

### RESEARCH PROJECTS GRANT RECEIVED

Project Title	Project Value (In Rs.)	Funding Agency	Brief Description
Formulation of TENSOL Tablet	100405 INR	Shaily Sigma Incubation Centre	Dr. Siddhi Upadhyay is the Principal Investigator and preparing various polyherbal formulations as per the queries raised in new era lifestyle.
Formulation of GAS O PASS Roll On	70050 INR	Shaily Sigma Incubation Centre	
Formulation of HRIDAYARJUN Tablet	85240 INR	Shaily Sigma Incubation Centre	
Formulation of TRIGUL Tablet	49600 INR	Shaily Sigma Incubation Centre	
Formulation of YAOUT Tablet	81969 INR	Shaily Sigma Incubation Centre	
Formulation of THYROWIN Tablet	88406 INR	Shaily Sigma Incubation Centre	
Formulation of ASTONE Tablet	113785 INR	Shaily Sigma Incubation Centre	
Formulation of AMRUT Tablet	105010 INR	Shaily Sigma Incubation Centre	

### RESEARCH STUDIES

Research Scholars in the Faculty	Number of PhD Supervisors in the Faculty
11	5



**SEMINARS/WORKSHOPS CONDUCTED**

**Seminar on “Hospitality with Heart”**

**Date:** 11.8.2023 | **Number of Participants (Approx.):** 40

**Resource Person:** Mr. Poojil Arora, Rooms Division Manager, Grand Mercure Hotel, Vadodara

**Objective/s of the Event:** Role of Personality and Attitude in Guest Experience

**Outcome of the Event:** Initiation into the requirements of hospitality industry

**Seminar on “A Recipe for Triumph”**

**Date:** 14.8.2023 | **Number of Participants (Approx.):** 40

**Resource person:** Mr. Yash Gandhi, Assistant Chef-de-Partie on a Cruise Liner

**Objective/s of the Event:** To know the journey of an Alumni to Assistant Chef-de-Partie on a Cruise Liner;

**Outcome of the Event:** Exploring possible career paths

## STUDENT PARTICIPATION / CLUB ACTIVITIES

Event Details	Outcomes	Number of Participants
Public Speaking for Hospitality Professionals (27 <sup>th</sup> July, 2023 to 28 <sup>th</sup> August, 2023)	Enhanced public speaking, presentation, and communication skills	
Industry Visit to Grand Mercure Surya Palace Hotel, Vadodara (Date: 16 <sup>th</sup> August, 2023)	Familiarization with different departments of a hotel	40
Students participated as Volunteers/ Hospitality partners TieCon , Vadodara, held at Grand Mercure Vadodara (Date 21 <sup>st</sup> October, 2023)	Developed organizational and hospitality skills	18
National Science Day 2024 "Science for Sustainable Future", Sigma University (Date: 28 <sup>th</sup> February, 2024)	Enhanced knowledge, innovation, awareness, collaboration, sustainability advocacy, scientific inquiry, inspiration.	04
Western Gujarat Chapter of "Better Kitchen" Bakery & Culinary championship held at SIHM, Siddhpur (Date: 12 <sup>th</sup> March 2024)	Enhanced culinary skills, teamwork, creativity, confidence, networking, and appreciation.	04

## STUDENT PATENT/COPYRIGHT

Student Name	Recipe for Patent
Vyom Chauhan	Mandir Smoothie
Dharmesh Agrawal, Yuvraj Jadav	Green Peas Skin Pesto & Date and Green Pea Skin Cake
Subith Paul	Kochi Chicken and Napa Cabbage Rolls & Chicken Chambeula Ada

## FACULTY PARTICIPATION IN KNOWLEDGE ADVANCEMENT

Faculty Name	Details of Event / Participation	Outcome
Mr Srinath, Ms Rose and Mr. Robbie	Seminar on Community Empowerment & Upliftment	Faculty gained strategies to engage with communities, fostering empowerment and upliftment through collaborative initiatives.
Mr Srinath, Ms Rose and Mr. Robbie	Training conducted for Shrenu Engineering Ltd & Alembic Ltd. Topic: Business Etiquettes	Participants refined professional conduct, enhancing communication, networking, and interpersonal skills.



### ABOUT THE FACULTY

The Faculty of Science encompasses a diverse array of disciplines including Biology, Chemistry, Physics, Mathematics, Computer Science, and Environmental Science. It is committed to serve as a hub for innovative research, academic exploration, and discovery. Students engage in rigorous coursework, laboratory experiments, and theoretical analysis to deepen their understanding of natural phenomena and scientific principles. The Faculty of Science often collaborates across disciplines, fostering interdisciplinary approaches to solving complex problems and advancing knowledge. It plays a pivotal role in shaping the scientific community and preparing future generations of scientists and researchers.

Looking forward, Faculty of Science is progressing further as an inclusive hub for Research and innovation and an incubator for tomorrow's global leaders. Building a strong learning and research enterprise requires teamwork, and I am so grateful for the investments faculty and staff have made to build a strong Science team.



### SEMINARS/WORKSHOPS / GUEST LECTURES CONDUCTED

#### 1. Workshop on "Oasis Misaal Project"

**Resource Person:** Mrs. Avadhi Shah

**Date:** 7.8.23    **I**    **Number of Participants (Approx.):** 150

**Objective/s of the Event:** Self Confidence in students

**Outcome of the Event:** Students would take up the responsibility and would be able to manage any assigned task as an individual.

## 2. Seminar on “Biotechnopreneurship Awareness Programme”

**Resource person:**Mr. Sachin Patel

**Date:** 02.01.24 & 03.01.24 I **Number of Participants (Approx.):** 05 I **Venue:**Godhra

**Objective/s of the Event:** Awareness on Biotechnology Entrepreneurship in Industry

**Outcome of the Event:**Sharpened the ideas of students and Faculties about Small level Start Ups/ Entrepreneurship related to Biotechnology.

## 3. Poster Presentation on “National Science Day-2024”

**Resource person:**Dr. Ageetha Vanaamudan

**Date:**28.2.24 I **Number of Participants (Approx.):**148

**Objective/s of the Event:**To promote scientific temper, inspire youth towards careers in Science, and celebrate India's rich scientific heritage. National Science Day is celebrated across India on February 28 to honor the discovery of the Raman Effect by physicist Sir CV Raman in 1928.

**Outcome of the Event:** The Day showcased the activities, efforts, and achievements of the scientific community for human welfare. It also provided an opportunity to reflect on the progress made in the field of Science and Technology and to identify the areas where more work needs to be done.

### STUDENT PARTICIPATION / CLUB ACTIVITIES

Event Details	Outcomes	Number of Participants
Talent Hunt- Mehandi Competition	Awareness about Indian Culture	12
Talent Hunt- Rangoli Competition	Awareness about Indian Culture	08
Talent Hunt- Drawing Competition	Skill development about Art on Indian Culture	13
Industry Visit Lonsen Kiri Chemical Pvt. Ltd.	Explore their knowledge in industry and know about working of Industry	37

## FACULTY PARTICIPATION IN KNOWLEDGE ADVANCEMENT

<b>Faculty Name</b>	<b>Details of Event / Participation</b>	<b>Outcome</b>
Dr. Priyanka Shinde	Biotechnopreneurship Awareness Programme	Know about Small Business/ Entrepreneurship in Biotechnology Department
Dr. Anushree Ujjankar	Workshop on Intellectual Property Rights Awareness	Gained knowledge on IPR
Dr. Priyanka Patil	Workshop on Intellectual Property Rights Awareness	Gained knowledge on IPR
Prof. Ravindra Patil	Workshop on Intellectual Property Rights Awareness	Gained knowledge on IPR
Prof. Dhaval Chauhan	Workshop on Intellectual Property Rights Awareness	Gained knowledge on IPR
Prof. Disha Joshi	Workshop on Intellectual Property Rights Awareness	Gained knowledge on IPR
Prof. Pravin Panchal	Workshop on Intellectual Property Rights Awareness	Gained knowledge on IPR
Prof. Dhruvansh Patni	Workshop on Intellectual Property Rights Awareness	Gained knowledge on IPR

## FACULTY ACHIEVEMENTS

- Dr. Priyanka Shinde, received the prestigious Certificate of Appreciation for Faculty Coordinator for the Bioinformatics tools & software from Krishna School of Science, KPGU, Vadodara on 27.07.23 to 29.07.23.
- Mr. Dhruvansh Patni, has been awarded with SE, PVA and CHITSAN FILM Award titled "Copyright" with register no. 3487/2024-CO/L by Intellectual Property - Delhi.
- Prof. Ravindra Patil, received the prestigious Patent award for Design Patent accepted by Gov. of India on 14.03.2024; Application no. 406986-001.
- Dr. Priyanka Patil, received the prestigious Patent award for Design Patent accepted by Gov. of India on 14.03.2024; Application no. 406986-001.

## RESEARCH PUBLICATIONS OF FACULTIES

Faculty Name	Title of Paper	Referred Journal/ Book	Name of Journal / Book with ISSN/ ISBN
Mr. Dhaval Chauhan	Scattering of electrons with aqueous biomaterials	Journal	Radiation Physics & Chemistry Scopus Listed ISSN: 1879-0895
Mr. Vedant Vala	Isolation & Optimization of Alkaline Amylase from marine bacteria	Journal	Bulletin of Environment, Pharmacology & Life Science Web of Science listed
Mr. Dhaval Chauhan	Theoretical Investigation of Electron Interaction Processes for Furfural and P-Benzoquinone	Journal	Molecular Physics ISSN: 00268976
Mr. Ravindra Patil	DNA Binding, Photo Cleavage Mechanism & In Silico Docking Studies Of 1,3,4- Oxadiazole Schiff's Base Derivatives, Their Synthesis & Characterization	Journal	Journal of Chemical Health Risks ISSN: 22516719

## RESEARCH PROJECTS GRANT RECEIVED

Project Title	Project Value	Funding Agency	Brief Description
Development of Polymeric strands for polymeric application	700 \$	Shree Kanchi Enterprise	Consultancy Project

## RESEARCH STUDIES

Research Scholars in the Faculty	Number of PhD Supervisors in the Faculty
6	3

## **ABOUT NATIONAL SERVICE SCHEME**

The National Service Scheme, Sigma University, is renowned for its selfless service, social work and education that equip students with the necessary knowledge and skills to make a positive impact in the society. Our unit comprises experienced professors and volunteer's who are dedicated to provide students with a comprehensive social work education, guidance, leadership and research opportunities.

## **ACTIVITIES CONDUCTED**

Hands-on learning through various campaigns, initiatives, programs, guest lectures, internships, field placements, and other practical experiences.

Workshops, Talks and interactive sessions with industry experts.

Interdisciplinary course work and collaboration with other departments and fields.

Real-life project participation for personality development, life skills and practical education

Emphasis on social work and selfless service, critical thinking skills and the ability to analyse complex social problems from multiple perspectives.

The field work Internship and research projects provide an opportunity to students to build a healthy and positive relationship with the corporate world and pave the way for future placement.





## Workshop on "Suicide Prevention : Creating hope through action"

**Date:** 14.09.2023    **I**    **Number of Participants (Approx.):** 250

**Resource person:** Dr. G K Vankar    **Venue:** Sharda Auditorium

**Objective/s of the Event:** Creating hope for suicide prevention through actions

**Outcome of the Event:** A successful event for suicide awareness and counselling; built a positive attitude to combat any thought of suicide / self harm.

### STUDENT PARTICIPATION / CLUB ACTIVITIES

Event Details	Outcomes	Number of Participants
NSS activities	Cleanliness drives, awareness programs, talent hunt	300
Sigma Sports club	Sports, games and activities	400

## ABOUT THE CELL

The Language Cell at Sigma University is a vibrant hub dedicated to cultivating linguistic skills and promoting cultural exchange. Offering language courses, workshops, and exchange programs, the Cell enhances students' communication abilities while fostering a multicultural atmosphere. Beyond traditional language learning, the Cell facilitates various interest-based clubs, creating communities around shared linguistic passions. Additionally, it organizes engaging competitions like the Linguistic Showdown, providing platforms for students to showcase language proficiency and celebrate the richness of linguistic diversity. The Language Cell stands as a dynamic space where students can connect, collaborate, and thrive in the world of languages.

## DEPARTMENT ACADEMIC ACTIVITIES

Sigma University's Language Cell conducted engaging classes for B.Tech and Business Administration students. The carefully planned curriculum, along with teacher training, focused on practical skills like communication and soft skills. Students saw noticeable improvements, showcasing the university's dedication to providing a well-rounded education for their success in both academics and the professional world.

## SATURDAY CLUBS @ SIGMA UNIVERSITY

This year marked a vibrant journey for Sigma University's Saturday Clubs, cultivating skill development and community engagement.





## Key Highlights:

1. **Communication Mastery Club:** Integrated Speaking and Pronunciation Clubs, refining verbal communication and public speaking skills. Impromptu speeches and guided pronunciation sessions were key components.
2. **Debate Club:** Debate Club sharpens critical thinking and public speaking skills through lively discussions on diverse topics, promoting effective communication and intellectual growth.
3. **Literary Arts Club:** Hosted Book Club discussions and Poetry Club sessions, promoting diverse reading habits and encouraging creative expression through poetry.
4. **Multilingual Exchange and Cultural Club:** Introduced German language classes, expanding language offerings. Conducted language exchange sessions and English Conversation Club to enhance language proficiency.
5. **Creative Arts Club:** Featured Drama Club for acting enthusiasts and Writing Club for aspiring writers, fostering creativity and teamwork.
6. **Integrated Listening Sessions:** Incorporated active listening seamlessly into each club's activities, enhancing comprehension and spoken English proficiency.

**Outcomes:** The Saturday Clubs have yielded positive outcomes, including improved communication skills, heightened cultural awareness, and a more enriched literary and creative environment.

## Linguistic Showdown

Linguistic Showdown is an extravaganza organized by the Language Cell, aimed at promoting linguistic diversity and enhancing communication skills among students and faculty.

The inaugural Linguistic Showdown took place on Friday, 28th April 2023, featuring an array of competitions such as debates, spelling bees, public speaking contests, poetry writing, musical battles, and caption challenges.

Building on the success of its predecessor, Linguistic Showdown 2.0 unfolded on Friday, 6th October 2023, with even more enthusiasm and participation. This sequel retained the diverse competitions, providing a platform for participants to showcase their talents and sharpen linguistic and creative abilities.

The event aimed to engage both students and faculty, facilitating a sense of togetherness and skill development within the academic community. Both editions of Linguistic Showdown contribute to the overall mission of promoting comprehensive student development and enhancing the cultural and linguistic fabric of the institution.

## SEMINARS/WORKSHOPS CONDUCTED

### **Workshop on “TOEFL Masterclass”**

**Date:** 23.06.2023                      **I      Number of Participants (Approx.):** 62

**Resource person:** Ms Rashmi, Academic Head and Master Trainer, ETS

**Objective/s of the Event:** To make the students aware of TOEFL as a standardised test that assesses university applicants' English language skills who primarily speak other languages for studying abroad.

**Outcome of the Event:** The TOEFL masterclass aimed to help participants get better at English and do well in the TOEFL test, which is important for studies and jobs.

### **Workshop on “GRE & TOEFL”**

**Date:** 11.08.2023                      **I                      Number of Participants (Approx.):** 78

**Resource person:** Ms. Bhagyashree Vasvani

**Objective/s of the Event:**

- To make the students aware of GRE& TOEFL as the two of the world’s most widely used admissions test/ standardised test for graduate & professional schools.

**Outcome of the Event**

- Attendees were better equipped to make informed decisions about pursuing graduate or professional education, having acquired knowledge about the importance of these standardized tests in the admission process.

## STUDENT PARTICIPATION / CLUB ACTIVITIES

Event Details	Outcomes	Number of Participants
Linguistic Showdown & Linguistic Showdown 2.0	Linguistic Showdown 2.0, a dynamic event organized by the Language Cell, successfully brought students and faculty together, fostering linguistic skills through diverse competitions.	86
Saturday Clubs	Clubs like Communication Mastery and Debate contribute to improved public speaking, presentation, and debating abilities.	11
Saturday Clubs	Multilingual Exchange and Cultural Club fosters an understanding of diverse languages and cultures, promoting global awareness.	36
Saturday Clubs	Literary Arts Club, including Book and Poetry Clubs, expands reading horizons, encourages creative expression, and nurtures a love for literature.	55
Saturday Clubs	Drama Club provides a platform for students to unleash their acting talents, fostering confidence, teamwork, and stage presence.	49
Saturday Clubs	Writing Club in the Creative Arts division refines writing skills, encouraging creativity and self-expression.	24
Saturday Clubs	Integrated Listening Sessions across clubs enhance participants' listening skills, crucial for effective communication.	37
Saturday Clubs	Language Exchange and English Conversation Clubs contribute to improved language fluency through interactive language practice.	53
Saturday Clubs	Saturday Clubs create a sense of community, allowing students to connect with peers who share similar interests.	15
Saturday Clubs	Engaging in diverse activities stimulates critical thinking, problem-solving, and creativity.	12
Saturday Clubs	Overall, Saturday Clubs contribute to students' holistic development by providing a well-rounded and enriching learning experience.	23

Plethora of events are held at Sigma University to ensure the holistic development of our students and also to ensure FUN...FROLIC....Alongwith LEARNING!!!

- JOSH 2023 and JOSH 2024** : The Annual Gala Event to showcase Sigma University's talent and extravaganza spirit!
- Legacy Celebration 2023** : The Annual Event to bring together and connect with industry and academia followed by a gala dinner and networking
- International Yoga Day 2023** : Transformative impact on everyone's lives on the International Yoga Day celebration held on 21st June 2023 in Amphitheatre, SU.
- Mega Placement Fair 2023** : On 27th June 2023, the Mega Placement Fair organised by Sigma University Vadodara and the Office of the Assistant Director, Vadodara Model Career Centre, Vadodara, was organized which linked students to mentoring as well as networking opportunities, along with resources for enhancing their professional trajectory.
- Opening of Shaily Sigma Incubation Centre** : On 16th July 2023 the grand inauguration of Sigma University's groundbreaking Centre 'Shaily Sigma Incubation Centre' witnessed the energy, enthusiasm, and passion as we embarked on a new era of entrepreneurial excellence.
- Maa Anand Sheela** : On 25th July 2023 Sigma University organized a 'Know Your University' Talk Show at Pandit Deendayal Upadhyay Nagar Gruh. The event featured two esteemed guests, Maa Anand Sheela and Chhatra Sansad founder, Kunal Sharma, which witnessed an overwhelming response with 600+ participations.

## STAR CELEBRITIES HOSTED AT SIGMA UNIVERSITY

- '3akka'movie'** : Star cast visit of Yash Soni, Malhar Thakar, Mitra Gadhvi, Kinjal Ranpariya and team at Sigma University.
- 'Bas ek vaar'** : Star cast with Mr. Sharad Sharma, Miss. Prapti Shukla and team at Sigma University to meet students and faculty members.
- 'Danny Jigar'** : Star cast visit of Sony Jigar and TarjaneeBhadla to grace the occasion and meet Team Sigma.



- Global Odyssey** : Sigma University's orientation day on 7th August 2023, was a remarkable affair, with delegates from Ghana adding their unique flair to the festivities!
- International Student Welcome** : Sigma University gave a warm and vibrant welcome to all international students with open arms and heart and celebrated their arrival in traditional and wholesome way
- Horizon and Hurray** : A grand DJ Party which was celebrated on 4th November 2023 which was the sync of freshers and farewell, as the title suggests.... for the students of first year and last year. The Chief Guests of the event were the very versatile Speaker Mr Jay Vasavada and Mr Ankit D'robow.
- Vadodara Marathon** : Overwhelming throwback to the electrifying Vadodara Marathon 2023 by Sigma University students and faculties on 7th January 2024.
- Sports Week** : One week of Sports Celebration from 27th February 2024, which included sports like Cricket, Kabbadi, Kho Kho, Badminton, chess, carrom, Football, volleyball and others; with a grand Inaugural as well as closing ceremony witnessed by Dr. Harsh Shah, Mr. Shaileshbhai Shah, Mrs. Jyotsnaben Shah and Management team.







## **OUR FACULTIES**

Engineering & Technology  
Pharmacy | Nursing | Science | Design  
Social Work | Computer Science & Applications  
Commerce & Management  
Physiotherapy | Skill & Vocational Development  
Hospitality & Tourism | Law  
Humanities & Social Science

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