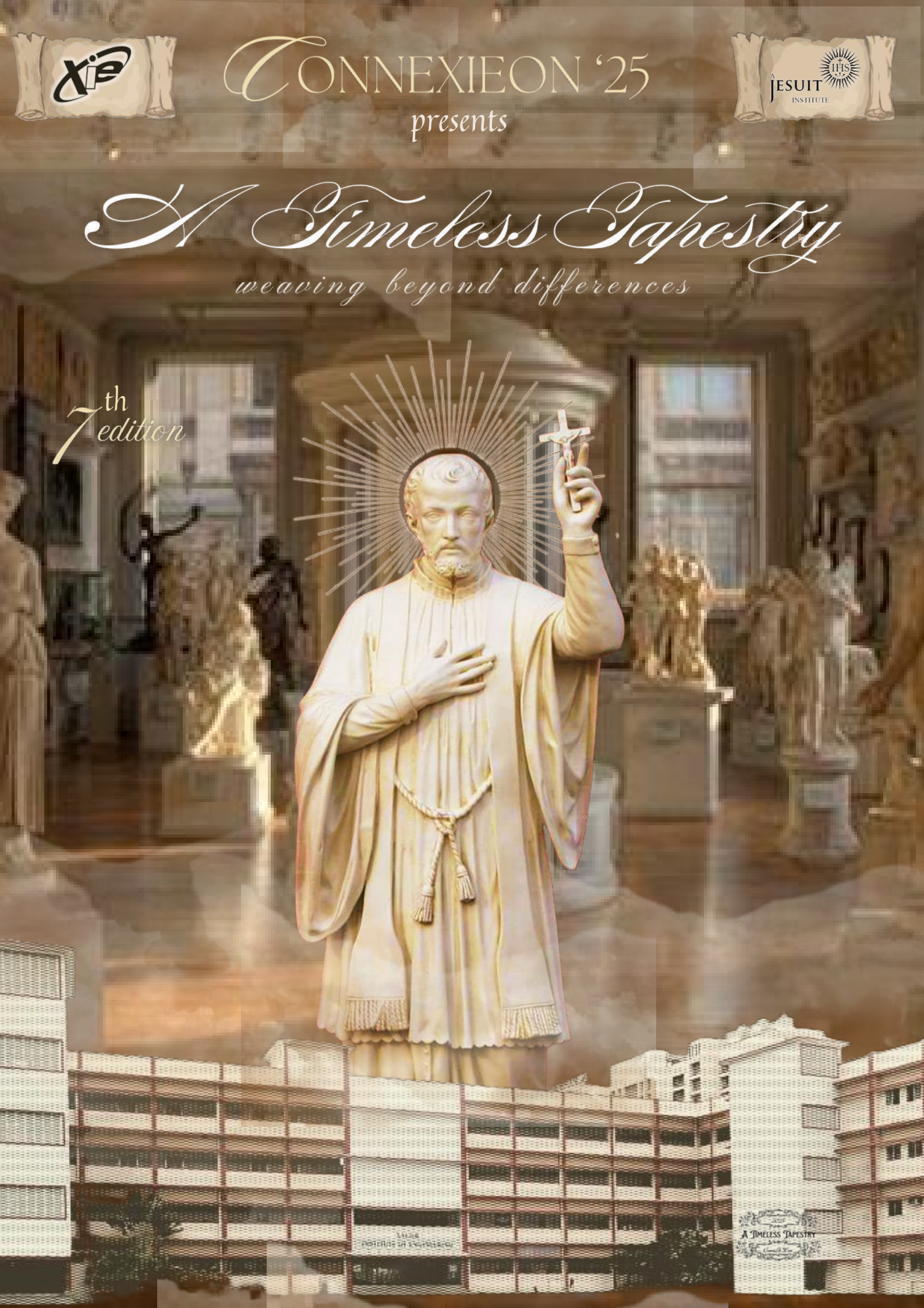
CONNEXIEON '25

presents

A Timeless Tapestry

weaving beyond differences

7th edition



XAVIER INSTITUTE OF ENGINEERING

XIE VISION

TO NURTURE THE JOY OF EXCELLENCE IN A WORLD OF HIGH TECHNOLOGY

XIE MISSION

TO STRIVE TO MATCH GLOBAL STANDARDS IN TECHNICAL EDUCATION BY INTERACTION WITH INDUSTRY, CONTINUOUS STAFF TRAINING AND DEVELOPMENT OF QUALITY LIFE

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PREFACE



"A Timeless Tapestry : Weaving Through Differences"

In the heart of every story lies a thread, unique yet interwoven with countless others, creating a tapestry that transcends time. This year's edition, invites you to explore the profound beauty found among the overlaps of our diverse experiences. Each piece within these pages represents a thread, distinct in its texture, colour and narrative, contributing to the greater fabric of our shared existence. These threads are not lines of separation but cords of connection, weaving together the complexities of culture, thought, and emotion. They remind us that it is within these differences that we find the strength and richness of our collective story

This magazine is a celebration of those differences, a space where contrasts collide and converge, where the unique perspectives of our contributors come together to form a cohesive and compelling whole. It is an invitation to look beyond the surface, to delve into the layers of meaning that emerge when we embrace the diversity that surrounds us.

As you journey through these pages, you will encounter a symphony of voices,each one adding depth and nuance to the overarching theme. From the reflective to the provocative, the familiar to the unexpected, these contributions challenge us to rethink the way we view our world and our place within it. We invite you to read between these lines and to find the meaning that resonates with your self. We hope that this edition serves as more than a mere collection of articles and artwork. Let it be a mirror reflecting the intricate patterns of our lives, a mosaic of ideas that inspires you to see the beauty in every difference. As you read, may you discover not only the threads that connect us but also the vibrant tapestry they create, a tapestry that is timeless in its relevance and boundless in its potential. On behalf of the ConneXIEon'25 editorial team, we welcome you to immerse yourself in this rich exploration of unity and diversity. May this magazine ignite your curiosity, provoke your thoughts, and inspire you to weave your own unique thread into the ever-evolving story of humanity.

EDITORIAL TEAM



HEAD CURATOR



EDITOR IN CHIEF



ENGLISH EDITORS



REGIONAL EDITORSTECHNICAL EDITORS





PHOTOGRAPHER



PUBLICITY TEAM



GRAPHICS EDITOR

STAFF CONSULTANTS



[MR. NAVEEN KUKREJA , PROF. GAUREE AROLKAR , PROF. STELLA J ,
PROF. TEJAL DESHPANDE , PROF. NILAMBARI NARKAR , PROF. THIVAKAR S]

DIRECTOR'S MESSAGE

FR. DR. JOHN ROSE S.J

As we unveil this year's edition of ConneXIEon, centered around the theme, "A Timeless Tapestry: Weaving Beyond Differences," we are reminded of the beautiful symphony that emerges when diverse threads come together to create something extraordinary.



A tapestry, with its vibrant interconnections, serves as a metaphor for our shared humanity. Each thread is unique—its color, texture, and story are its own. Yet, when woven with others, it creates a masterpiece that transcends individual identity to tell a unified story of connection, collaboration, and resilience

At Xavier Institute of Engineering (XIE), we embody this philosophy in our academic endeavors, our outreach, and our community spirit. This theme is especially relevant in our times, as we strive to bridge the divides—cultural, social, and intellectual—that often fragment our world.

This past year, XIE made meaningful contributions to this global tapestry. Our professors, Stella and Vaishali, shared their expertise in Cyber Security in Burkina Faso and Malawi, while Mishil and Suhas empowered students in Lagos with Python programming skills. These efforts reflect XIE's commitment to extending the transformative power of education beyond borders. It is through such exchanges that we honor the Jesuit ethos of cura personalis—care for the whole person—and make strides toward a more inclusive and interconnected world.

Our students and staff are the threads that enrich this tapestry, each contributing their unique strengths, experiences, and aspirations. Within our classrooms and beyond, we celebrate diversity—not as a challenge, but as an opportunity to learn, grow, and innovate together.

The essence of our theme also resonates deeply with the values we cherish at XIE. To "weave beyond differences" is to embrace empathy, respect, and understanding as essential tools for building a better world. It is a call to rise above divisions and co-create a future defined not by separations, but by unity in diversity.

As you explore this edition of ConneXIEon, I hope you find inspiration in the stories, projects, and reflections shared by our vibrant XIE community. Let us remember that the beauty of any tapestry lies in the harmony of its threads. Together, let us continue to weave connections, transcend differences, and create a timeless legacy of collaboration and hope.
With gratitude and best wishes.

PRINCIPAL'S MESSAGE

DR. Y. D. VENKATESH



Each year, we come together to celebrate the unique spirit of Xavier Institute of Engineering (XIE) through ConneXIEon, our beloved college magazine. This year's theme, "A Timeless Tapestry: Weaving Through Differences," resonates deeply with the values we hold dear—embracing diversity, fostering unity and finding strength in our shared humanity

Since its inception in 2005, XIE has been more than an institution of learning; it has been a community where students, faculty, and staff come together to innovate, inspire, and grow. Through our programs in Computer Engineering, Information Technology, Electronics and Telecommunication, and Computer Science Engineering, we aim to prepare our students not just for the future, but for a future they will help create—a future where differences are celebrated and innovation thrives.

This year's theme reminds us that just as a tapestry gains its beauty from the contrast and harmony of its threads, so too does our community flourish when we embrace the richness of diverse perspectives. Whether through technical mastery in fields like Python programming and Ethical Hacking, or through meaningful contributions to cultural festivals, NSS activities, and entrepreneurial ventures, our students exemplify what it means to weave together individual strengths for collective success.

As you flip through the pages of ConneXIEon, I encourage you to reflect on your role in this grand tapestry. How will your actions, ideas, and aspirations contribute to the patterns of change, growth, and connection that define XIE? Remember, greatness lies not just in what we achieve individually but in how we uplift and inspire those around us.

Let us continue to celebrate our differences, strengthen our bonds, and create a legacy that future generations will proudly carry forward. Together, we can weave a tapestry that stands the test of time, one that tells a story of resilience, creativity, and shared purpose. Wishing you all an inspiring and fulfilling year ahead.

ADMINISTRATOR'S MESSAGE

FR. ALBERT MENEZES SJ

Someone said, was it Churchill?, that "democracy is the worst form of government —except for all the others that have been tried." This isn't sarcastic but points to the complexity we live in, unable to be happy unless we are at ease in it, not inspite but because of it. The basic premiss that everyhuman being is unique, born with the birthright to freedom. If on a distant and lonely island one is utterly free to do whatever one pleases. But when another turns up it will be impossible to live on it unless the two, and also others that might turn up later, agree to follow certain laws that all must obey, making it obvious that humans are by nature social. But who formulates those laws? The tough guys, the kings, the priests, the so-called "oligarchs"? It's always been implicit that each human being is responsible for them; its explicitness was in the Age of Reason, when scientific discoveries, the French Revolution, and the resultant separation of Church and State, made it obvious that the best form of government is "of the people, by the people, and for the people." However, the process of governing, whether of states or corporates or mere families, is daunting because conflicting opinions and different lobbies have to be met; only open dialogue and general goodwill can bring about the unifying decision to be made.

When we revert to the 1930s when XTech was started like Findlay, Jain, Bongirt, Godbole, and even Italo-Spanish Benedetti, those bearing them challenged to meet the new needs of marine communications. These from ship to shore or to other ships originally used shouts, smoke, hand signals, and flag flutterings but these had to give way to sextants, Morse-code, phones, radio, and these in turn gave way to simulators, satellite and internet connections, video conferencing—in brief, to a life in "the virtual world." I'm far from being at home in it but all Staff and Students in XIE, given birth to in 2005 by XTech, seem very comfortable with serious study, creative teaching, experimenting in updated labs, and socially disadvantaged. There is no reason for their cohesion, despite the variety of languages and programmes, other than awareness within for union through openness and dialogue.

We are blessed living in India which, though harbouring many different religions, has the best tradition for religious tolerance, cultivated before Vedic times, and safeguarded by the Buddha, Ashoka, Akbar,..Gandhi, Gokhale, Vinoba Bhave, et al. Nothing is of greater importance than religion but like all good things it has been misused for evil purposes, mostly for political gain, in India and elsewhere. Here at XIE where there is constant interaction with those of other faiths a spontaneous realization is experienced that diversity of religion deepens the understanding of it and that all religions ultimately assert that the main purpose of religion is the love of fellow human beings; there can be no love of God without it.



HEAD CURATOR'S MESSAGE

PROF. SANIYA GONSALVES

One constant aspect of human nature, despite centuries of evolution and change, is the innate urge to seek the familiar—the comfortable, the relatable, the shared sense of community. Throughout our lives, we search for like-minded people with whom we can relate our experiences. We are in a perpetual quest for the "same old," and the slightest resemblance to someone else's experience often elicits a "That's so relatable!" or "OMG, same!!!" response. But imagine a world where every person is an exact replica of the other. A world where everyone looks, talks, walks, thinks, and behaves in exactly the same way. It sounds like a nightmare—not only because it's absurdly boring, but also because it feels like something out of a dystopian universe where a factory-line system churns out identical humans and individuality ceases to exist.

Too often, we believe that to be compatible with others, we must be identical—having similar mindsets or ways of thinking. But how can diverse perspectives thrive in a world where everyoneis confined to the same narrow worldview? As human beings, we are meant to be different, diverse, and unique. We should not navigate life with a 'herd' mentality. Yet, it has become increasingly difficult to preserve our uniqueness in the age of AI, as we relinquish the need to exercise our own minds and instead rely on tools like ChatGPT for quick, generic answers. As we rush to emulate emerging trends and cultures, we risk losing sight of our personal preferences and the unique voice that defines us.

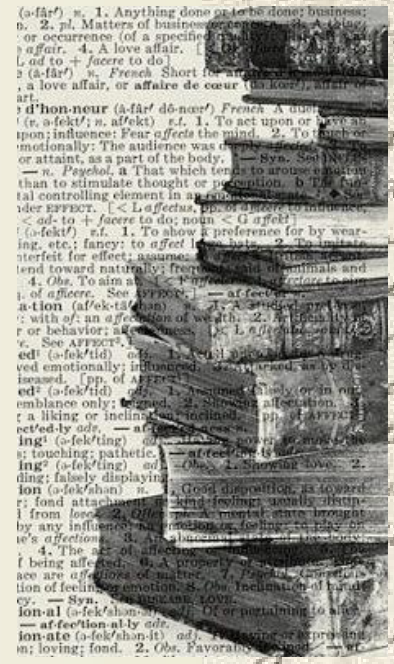
As Indians, diversity is a value we have lived with all our lives. Let us remember this as we embrace the world's advancements and flow with the tides of change. Let us not forget who we are and the unique purpose that brought us to this Earth. After all, a tapestry is only beautiful when it is woven with diverse, vibrant threads—without them, it would be nothing more than a dull mat.

In the following pages, you will find thought-provoking articles, essays, and stories that celebrate the diversity of our culture and the vibrant community at XIE. True to this theme, our contributors have explored a wide range of topics, each voice distinct from the other. Our hope is that this issue of the college magazine inspires you to embrace your own individuality and the unique path you are on, because diversity, after all, is the art of thinking independently, together.

I would like to express my sincere gratitude to the management, teaching and non-teaching staff, Deans, and Heads of Departments whose support and guidance ensured the successful culmination of ConneXIEon 2025. Heartfelt thanks to the students, staff, and all contributors for enriching this year's edition. A special shout-out to my fantastic team—the ConneXIEon Committee—a diverse group of individuals who came together to create this beautiful and timeless tapestry.

ConneXIEon 2025: a tapestry as diverse as it is timeless—is now yours to enjoy!





TOPPER'S LIST

✦FE TOPPERS✦

COMPS

1ST: MISHRA ANSH ARVIND SHWETA (9.35 SGPA)

2ND: DABHOLKAR SARVESH PANKAJ ARCHANA (9.10 SG

3RD: GUPTA SHIVAM SURENDRA SARITA (9.03 SGPA)

IT

1ST: NAKKA HARSHITHA SURESH SWETHA (9.60 SGPA)

2ND: VAISHYA BHOOMIKA SHYAMSHANKAR SARITA (9.45 S

3RD: GHADGE SARTHAK SANJAY KAVITA (9.20 SGPA)

EXTC

1ST: RANE SAMIKSHA SANJAY UJWALA (8.80 SGPA)

2ND: JHA PRABHATKUMAR SANJEEVKUMAR REENA (8.35

3RD: SAMALETI SHRUTI MANOHAR SUJATA (8.30 SGPA)

CSE

1ST: WALEKAR ANJALI PRASHANT ARCHANA (9.50 SGPA)

2ND: ANUSHREE VERMA SUNITA (9.15 SGPA)

3RD: SUSHANT KUMAR KHOBIAN RASHMI KHOBIAN (8.85 S

SE TOPPERS

COMPS

1ST: HADAWALE RIDDHI RAMDAS MANGAL (9.92 CGPI)
2ND: PEREIRA JOVITO RENOLD JECINTA (9.83 CGPI)
3RD: FODKAR ANAS AYAZ ALI MUMTAZ (9.75 CGPI)

IT

1ST: ALMEIDA LICIA KORAK NIRMALA (10.00 CGPI)
1ST: JADHAV SHRAVANI MANGESH SANGEETA (10.00 CGPI)
1ST: NAYAK NITHIN NITHYANANDA JAYALAXMI (10.00 CGPI
2ND: NADAR PRAVIN BALAKRISHNAN JYOTHI (9.83 CGPI)
3RD: ATHREYA SRISHTI JAGDISHPRASAD VASUDHA (9.78 CG

EXTC

1ST: SANAP PIYUSH KESHAV SANGEETA (10 CGPA)
2ND: JAT MUKESH DEVILAL PUSHPA (9.96 CGPA)
3RD: GAWDE SHUBHAM SUNIL SWATI (9.88 CGPA)
3RD: CHORGE SOHAM GANESH GAYATRI (9.88 CGPA)

CSE

1ST: DHOLAKIA DHRUMIL PANKAJ BHAVIKA (9.75 CGPI)
2ND: LAGISHETTY PARTH LAXMAN KAVITA (9.63 CGPI)
3RD: YESHWANTRAO PRANJALI PANKAJ PRACHI (9.38 CGPI
3RD: SHELAR AMEYA SANTOSH SUNITA (9.38 CGPI)

✦TE TOPPERS✦

COMPS

1ST: PATEL ADITYA AKHILESH RITU (9.73 CGPI)

2ND: MALVANKAR SHREYA SUNIL SHILPA (9.71 CGPI)

3RD: KOLHATKAR ANTARA SHAILESH SHAMAL (9.61 CGP

IT

1ST: GUJAR SALIL SANJAY SANJANA (9.86 CGPI)

1ST: VAIDYA PRATHMESH ASHOK ASHWINI (9.86 CGPI)

2ND: SARAP RAKSHITA RAJENDRA RASIKA (9.73 CGPI)

2ND: SINGH VIVEK RAJKUMAR SHIPRA (9.73 CGPI)

2ND: VISHWAKARMA SUMIT LALLAN SHAKUNTALA (9.73 CG

3RD: GUPTA SAKSHAM ARUN ANITA (9.59 CGPI)

3RD: KASHELKAR GAURAV PREMKUMAR RAJASHRI (9.59 CG

3RD: PANGAM MANGESH KRISHNA RACHANA (9.59 CGPI)

EXTC

1ST: BAJPAYEE EKTA SHARAD NEELAM (9.59 CGPI)

1ST: PATIL ARYAN VIKAS SUJATA (9.59 CGPI)

1ST: SHAIKH SHAHNAWAZ ZOUNED FIRDOSI KHATOON (9.59

1ST: SHAIKH MAHEK SAMEER KUSURUNNISHA SHAIKH (9.59

2ND: BARIYA RUTUJA JAYANT VANITA (9.32 CGPI)

3RD: PATWARDHAN TANUJ VINAYAK SUCHETA (9.23 CGPI)

✦BE TOPPERS✦

COMPS

1ST: VANSH AGARWAL AANCHAL (9.86 CGPI)

2ND: GUPTA YASHIKA KAMLESH SUJATA (9.84 CGPI)

3RD: ALVARES YULETTE ROSELLE STAN BLOSSOM (9.63 C

IT

1ST: AWAR TRUPTI CHANDRAKANT SANGITA (9.84 CGPI)

2ND: SHARMA ANSHUMAN SHAYAMPHAL DEEPSHIKHA (9.73

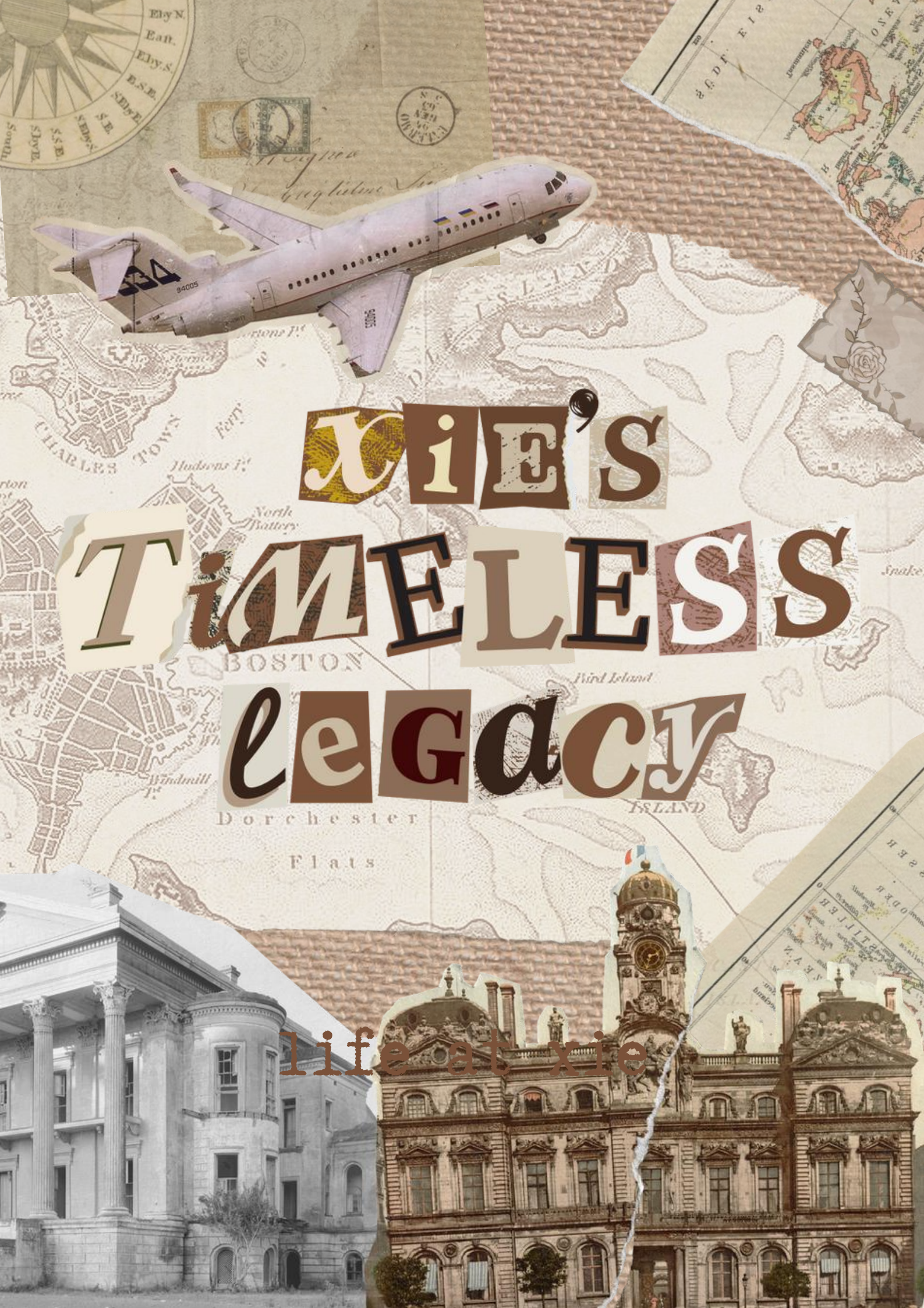
3RD: PARDESHI VANRAJ SURESH MEENA (9.59 CGPI)

EXTC

1ST: DAGADE PRAJAKTA RAMESH RUPALI (9.48 CGPI)

2ND: SHENVI AISHWARYA RAVINDRA RUTVIJA (9.25 CGPI)

3RD: SALVI SWARASHREE RAJEEV RADHIKA (9.22 CGPI)


XIE'S
TIMELESS
LEGACY
life at xie

Training And Placement Cell

MR. NAVEEN KUKREJA

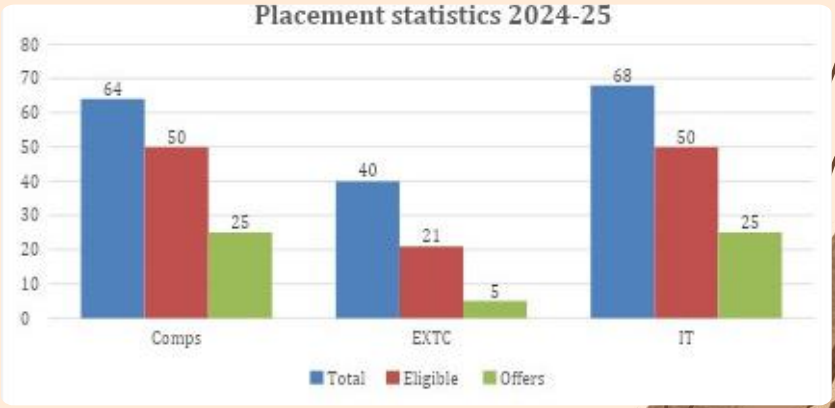


Xavier Institute of Engineering continues to demonstrate its commitment to producing industry-ready professionals through the programmes conducted by its Training and Placement Cell. Out of the 121 students registered for placements in the year, around 80 students are actively participating in the recruitment process, while others have chosen to pursue higher studies, showcasing the diverse aspirations of our students.

This year, we welcomed 35 esteemed organizations, including some of the most reputed names in the industry. Capgemini led the recruitment program with 24 offers of INR 4.25 LPA. Quantiphi was also a key contributor with 5 offers, INR 8.5 LPA each. Students secured 3 offers of INR 5 LPA from Godrej Infotech. Seclore came with the highest offer of INR 13 LPA. Other recruiters include Arcon, Quick Sell, and Vistaar.
A total of 55 offers have been secured so far, with packages ranging from INR 4.25 LPA to INR 13 LPA. We are optimistic about further enhancing our placement statistics as results from renowned companies such as Infosys, TCS, Tech Mahindra, and LTI Mindtree are awaited in the coming weeks. This year's placements highlighting both the caliber of our students and our strong industry collaborations.

At the Xavier Institute of Engineering, we remain dedicated to supporting our students in achieving their career aspirations and ensuring they are equipped to excel in their chosen paths. This placement season is yet another milestone in our journey toward excellence.





SPARX 2024 WINNERS

GAMES	CATEGORY	1ST PLACE	1ST RUNNER UP	2ND RUNNER UP
Box Cricket	Boys	SE COMPS	BE EXTC	TE IT
	Girls	SE CSE	TE IT	BE IT
Table Tennis	Singles	Atharva Ghodke	Chirag Jawle	Sam Saji
	Doubles	Atharva Ghodke & Aryan Gonsalves	Chirag Jawle & Sam Saji	Pratham Singh & Khizar Shaikh
Badminton	Boys	Amey Shelar	Sanket Patil	Vivek Singh
	Girls	Sanjali Thorat	Bhanavi Pandey	Aditi Satam
Chess	Mix	Alston Salvaraj	Benin Arockiaraj	Ashish Sawant
Carrom	Singles	Taslim Sayyed	Aryan Patil	Swaraj Gandhi
	Doubles	Shahnawaz Shaikh & Aryan Patil	Vedang Rana & Satyam	Amar Singh & Sailesh Teddu
Arm Wrestling	Mix	Darren Fernando	Piyush Singh	Kris Alphonso
Fitness Challenge	Boys	Harshit Jain	Shreyash Gardi	Swaraj Gandhi
	Girls	Sanjali Thorat	Siddhi Jadhav	Priya
Open Cricket	Boys	TE IT	FE D	SE CSE
Open Football	Boys	TE EXTC	TE COMPS	BE COMPS
Rink Football	Girls	FE A	FE D	TE EXTC
Kabaddi	Boys	SE COMPS	BE IT	FE D
	Girls	SE CSE	SE COMPS	FE D
Volleyball	Mix	SE IT	BE MIX	SE CSE
Dodgeball	Girls	SE CSE	SE COMPS	TE IT
Tug of War	Boys	SE IT & FE D	SE CSE	TE EXTC
	Girls	FE D	SE CSE	SE COMPS
Basketball	Boys	TE EXTC	TE COMPS	FE D
	Girls	TE EXTC	-	-

BEST CLASS WINNERS

SR NO	RANK	CLASS/YEAR	POINTS
1.	1ST PLACE	TE EXTC	495
2.	1ST RUNNER UP	SE CSE	440
3.	2ND RUNNER UP	TE COMPS	435

BEST ATHLETE AWARD

AWARDS	NAME	CLASS/YEAR
Best Male Athlete	SWARAJ GANDHI	TE EXTC
Best Female Athlete	SANJALI THORAT	FE C








SPANDAN 2024

Spandan, a vibrant cultural event, was organized at Xavier Institute of Engineering in the month of January. The event aimed to showcase the rich diversity and talent within the community, providing a platform for individuals to express their creativity through various forms of art. The event kicked off with an opening ceremony, where the host welcomed the audience and introduced the theme of the day The performances began with a mesmerizing traditional dance performance, followed by a blend of musical acts ranging from classical to contemporary genres. The cultural extravaganza also featured drama and poetry sessions, with participants delivering thought-provoking piece.









One of the major highlights of Spandan was the dance competition, where participants from different age groups displayed their skills in classical, folk, and modern dance styles. The crowd cheered on as the dancers gracefully moved to the rhythm of their respective music. Another captivating performance was the group skit, which entertained the audience with humor and social messages. The event concluded with a prize distribution ceremony where winners of various competitions were awarded for their excellence and creativity. The atmosphere was filled with excitement and a sense of unity, with everyone coming together to celebrate the cultural diversity of the region. Overall, Spandan was a resounding success, providing a lively and inclusive environment for individuals of all ages to participate, celebrate, and experience the power of culture and art.

TRANSMISSION

18TH TO 20TH JAN, 2024

Xavier Institute of Engineering celebrated its Annual Technical Fest, Transmission 2024, organized by the Technical Committee of the Student Council. Spanning from 18th to 20th January 2024, the fest showcased the technical prowess of XIE students through engaging and diverse events. The technical team hosted coding events like Humshakals—website replication, Building the Gateway—a 5-hour hackathon, and Treasure of the Arabian Sea—a quiz event. Agla St. Hardware Jn displayed electronics skills and project presentations in both hardware and software domains. The LAN gaming team organized BGMI and Valorant, while the Recreational team added mini-games like RC car racing, don't-touch-the-wire, and laser maze, creating a buzzing atmosphere. Transmission welcomed participants from within and outside the college, with events judged by industry leaders, alumni, and experts. Exciting cash prizes awaited the winners of each event. Beyond Transmission, the technical committee held two notable events. The Code Crafters hackathon, on October 7, 2023, was an intra-college event for SE and TE students, featuring three rounds testing foundational knowledge, debugging, and application development skills. Winners were based on cumulative performance. The Ethical Hacking Workshop and Capture the Flag (CTF) Competition was a seven-day intra-college event led by Mr. Sean Pereira, a certified cybersecurity expert. Participants underwent six days of training in ethical hacking, culminating in a thrilling CTF competition where they solved cybersecurity challenges.









TEDxXIE

8TH MARCH 2024

TEDx XIE 2024 was inaugurated at the Red & Black day event held on 8th March. The event included unveiling the theme ‘1.618: The Golden Ratio’ for the 9th consecutive edition of TEDxXIE. With the occasion, the speakers for this edition were announced.



The event was held at Shanmukhanand Hall, Sion. TEDxXIE - 1.618: The Golden Ratio was a celebration of human ingenuity and a testament to the power of ideas to inspire and enrich lives. The speakers for the programme were: Mr. Tanmay Vekaria, a renowned actor, Rohan Gujral, a comedian-youtuber, Prateek Sethi, entrepreneur and director, Roop Verma, travel vlogger, influencer, founder of Naqshe, Chetan Tambe, champion in Rope-Skipping and karate.



The speakers provided insights on various domains and motivation for all. Attendees were enriched and inspired to embark on their own journeys of discovery and self realization.

With TEDx's motto "Ideas Worth Spreading" resonating, the event featured five diverse speakers from varied backgrounds, captivating the audience with their insightful talks. As anticipation soared, attendees eagerly delved into the exploration of the Golden Ratio's significance, immersed in a captivating blend of creativity, inspiration, and innovation.



Convocation Ceremony

9TH MARCH 2024

The 15th convocation ceremony for the 2023 batch was held on 9th March 2024 where the academic efforts of XIE's students were lauded grandly. The ceremony was presided over by Fr. Dr. Michael Engh SJ; the Chancellor of Loyola Marymount University and attended by the staff, faculty, graduating students and their parents. The students were taken through a moment of nostalgia through a video filled with memories, compiled by their professors. The college's official magazine "ConneXIEon-24" was inaugurated, preceded by words of wisdom from the dignitaries. All graduating students received their certificates and numerous students were felicitated for their excellent performance in various academic and other activities. Students of SE and TE were also awarded in categories such as best magazine articles, mini-projects, toppers, and more. The prestigious; Joan and Student Trocki-Valedictorian Best Award was shared for the first time among two outstanding students, Ms. Divya Kulkarni and Ms. Lysandra Dsouza, in recognition of their exceptional performances. BE-IT was declared as the best class for their amazing result of 98.55%.













National Service Scheme

The National Service Scheme (NSS) at Xavier Institute of Engineering (XIE) empowers students to engage in meaningful community service, embodying the motto "Not Me But You." Volunteers participate in activities addressing environmental and social needs, including blood donation drives, beach cleanups, tree plantation drives, and awareness programs, fostering civic responsibility.





In June 2023, XIE celebrated International Yoga Day with faculty and NSS volunteers joining a rejuvenating yoga workshop, promoting physical health and mental clarity. On September 9th, the Versova Beach cleanup, led by NSS volunteers, was a resounding success as teams tirelessly collected waste, ensuring safety and proper disposal. The event concluded with inspiring speeches and refreshments.

NSS also organized a blood donation drive at Dadar Railway Station, where 17 volun teers encouraged donations, provided information, and facilitated thorough medical check-ups. Numerous blood units were collected, aiding those in need. In a commendable environmental effort, NSS volunteers traveled to Manori Island for a tree plantation drive, planting saplings to create greener spaces. The 77th



Independence Day celebration at XIE was another highlight, uniting students and staff in patriotic fervor. From promoting peace at the World Peace Day rally to reducing pollution during the Ganesh Chaturthi Visarjan, NSS volunteers consistently inspire through their dedication to service, unity, and community betterment.







Computer Society Of Xavierites

The Xavier Institute of Engineering (XIE) held a series of diverse and enriching events showcasing a commitment to both technical expertise and career development. On 31st January, the students of XIE witnessed an ORM Hibernate framework event.



Held in the Computer Center, it aims to educate participants about ORM concepts using Hibernate and its applications in software development. The month of February witnessed the Blink Buzz competition, a coding MCQ event which took place on 7th February. The event aims to engage participants in a competitive coding challenge,



skills enhancing their and knowledge programming. It also witnessed The Flutter workshop event, to be conducted offline. It was unanimously agreed upon that this event aims to provide participants with comprehensive insights into Flutter framework development and its practical applications in mobile app development. In the month of March the committee convened and planned the Code Connect event, focused on





networking through GitHub, which was organized in the Mac Lab. The flow of activities and logistics for the event were thoroughly discussed and hence ensured a seamless experience for participants. It provided insights on unlocking the potential of github as a networking platform.

Women's Development Cell





The Women's Development Cell (WDC) at Xavier Institute of Engineering (XIE) has consistently championed women's empowerment, fostering a culture of growth, strength, and opportunity on campus. WDC has organized impactful events, blending skill-building workshops, inspirational talks, and vibrant celebrations, creating a dynamic platform for women to thrive and lead. On February 6, 2024, the WDC held a session on Effective Time Management in Personal Development, led by Ms. Meghana Bakraniya, Founder of Success Mantra & Madhyam Foundation. She shared invaluable insights on mastering time management, emphasizing planning and overcoming distractions—essential for personal and professional growth. Earlier, on August 11, 2023, the Allyn Funds Upskilling Scholarship event featured Prof. Stella J., who introduced 21 participants to the Internet of Things (IoT) through a hands-on workshop fostering technical skills and teamwork. On October 10, the Katalyst event highlighted its mission to support female engineering students with financial and medical assistance, inspiring 52 participants. A Slogan Writing Competition on October 9, with 62 participants, showcased creativity, with the empowering slogan "We Overcome, Motivate, Empower & Nurture (WOMEN)" announced during the orientation event. The year concluded with International Women's Day celebrations on March 7, 2024, featuring a self-defense workshop, inspiring performances, and the Joan & Frank Trocki Women's Awards honoring exceptional contributions by women in the XIE community. Through each initiative, the WDC continues to foster empowerment, creativity, and excellence, paving the way for women to lead.





Entrepreneurship - Cell

Xavier Institute of Engineering conducts programs through its various committees. The Entrepreneurship Cell is one such body that focuses on sculpting new entrepreneurs ready for the world. Under Prof. Shailaja Udtewar, the committee held events for students to grow the mindset required for successful entrepreneurs.The “Buzz Tag: Brand & Startup Challenge” unfolded enthusiastically on 17 January 2024, and six groups participated



Mr. Pankaj Mishra and Prof. Shailaja Udtewar judged the event, which was held in four rounds. The first was the ‘Buzzer Round’ where students had to employ their sharp reflexes and quick thinking. It was followed by the ‘Punchline Round’ showcasing the students’ wit and creativity. The third round brought a break of fun with ‘Guess the Jingle’. The final round was the ultimate showdown of the cumulation of intellect, wits, and reflexes. The event fostered camaraderie and healthy competition among the participants. Winners were awarded certificates and every participant took with them newfound inspiration to innovate, collaborate, and compete. Another event held on 5th February 2024 titled “Genesis: From Idea to Enterprise” saw an immense response from the students.





Another event held on 5th February 2024 titled “Genesis: From Idea to Enterprise” saw an immense response from the students. The speaker Mr. Rohan Vichare, an assistant manager (Data Engineer) at Godrej Consumer Product Ltd. guided the 74 participants with his knowledgeable words. He talked about a few common questions that aspiring students and entrepreneurs have. The topics discussed included experiences from his own startup, mistakes and failures, decision-making, and opportunities specific to branches such as EXTC. Students reportedly showed eagerness to learn about communication, trust issues, time management, budgeting, and more; all of which stoked the dreams of possible heights that each student can attain.

The Interfaith Committee

Xavier's Institute of Engineering (XIE) has long upheld the values of unity, gratitude, and community spirit. This academic year, the Interfaith Committee organized a series of deeply meaningful celebrations that not only fostered a sense of togetherness but also honored the values that shape the XIE family. On February 3, 2024, the institute hosted a heartwarming prayer session, led by the esteemed Fr. Ivan D'souza. With 50 participants gathered in quiet reflection, the session centered on the theme of gratitude—expressing thanks for mentors, family, and the countless unseen supporters who guide our journeys. The occasion served as a poignant reminder of the profound impact gratitude can have in shaping lives and communities. Further enriching the spiritual and academic atmosphere, on the feast day of St. Ignatius Loyola, Fr. Dr. Arun deSouza SJ addressed the XIE community, sharing his deep insights into St. Ignatius' visionary approach to higher education. He emphasized the values of imagination, resilience, and discernment, urging the audience to "see God in all things" and to carry these ideals into their academic and personal lives. The spirit of celebration reached new heights on January 6, 2024, when XIE came together to celebrate Christmas and the remarkable achievement of NBA Accreditation. Over 100 staff members joined in the festivities, which included spirited sports activities, gift exchanges, and a festive meal. In a special recognition, Prof. Dr. Kunal Meher and Prof. Anchu Pillai were honored with the title of Best Sportspeople, and all staff received T-shirts and sports shoes as tokens of appreciation. The day was a perfect blend of joy, recognition, and unity, showcasing the vibrant community spirit at XIE. Through these celebrations, the Interfaith Committee at XIE continues to nurture an environment of gratitude, reflection, and shared growth, solidifying the institute's commitment to fostering holistic development in its students and staff.







Desur

Held at the serene Xavier's Training Centre in Desur, Belgaum, the Be an Eco Warrior Workshop, Desur-24 took place from August 22 to 24, 2024. The workshop combined insightful discussions with hands-on fieldwork. Participants attended expert-led sessions, including Mr. Kiran Kulkarni's talk on Ecology and Wildlife, Fr. John Fernandes' discussion on Eco-Spirituality, and Fr. Simon Fernandes' presentation on Youth: Guardians of Ecology. A key theme, "I am a part of Nature, and Nature is a part of Me," emphasized the deep human-nature connection and promoted eco-conscious behavior.

On the second day, participants embarked on a field visit, beginning with a scenic rainwater harvesting lake in Devgiri village, where they learned about a welfare program ensuring equal wages and 100 days of employment annually. In Bamberi, they met hardworking women conducting a 10-month stitching course for teenage girls and married women, fostering financial independence.

The journey continued to Ganeshwadi, where participants observed rural challenges and the joint efforts of the Jesuit community and the government in establishing biogas plants and public sanitation. The final stop was Guramatti, where villagers shared stories of displacement due to a natural disaster. Over time, their Bachat Gat (savings group) initiative has grown, now capable of offering loans up to ₹10 lakh, alongside plantations of palm, mango, and cashew for sustainable income.

To conclude, students performed skits on Being an Eco-Warrior, reflecting on the stark contrast between urban and rural lifestyles.









An Exposure Visit To Ahmed Nagar





On March 15-16, 2024, 20 students from Xavier Institute of Engineering (XIE) participated in an exposure visit organized by the Social Centre to explore watershed management strategies tackling drought challenges. The group stayed at the Bacher Eco-Training Centre in Hivrekorda and visited villages like Kasare, Bhosarmal, and Mhasoba Zap. Here, communities demonstrated sustainable water conservation methods, such as trenches and bunds to prevent runoff and promote water retention.

In Mhasoba Zap, students also enjoyed the village's traditional cuisine, adding a cultural touch to the experience. Day two included a visit to the Social Centre in Ahmednagar, where Ms. Natasha Dcosta of Start Upcycling Now spoke on zero waste management practices. The group also interacted with students from the Xavier Institute of Natural Resource Management, discussing how these field practices are shared with academia.

The visit was an enriching blend of learning and cultural immersion, offering valuable insights into water management, sustainability, and community-driven solutions, all while embracing the local hospitality. The XIE students left with lasting memories and deep appreciation for the Social Centre’s impactful initiatives.





Cyber Security Training For Malawi Defence Force





Dr. Vaishali Gaikwad from Department of Computer Engineering and Prof. Stella J from the Department of Information Technology conducted a two-week "Cyber Security" training for the Malawi Defence Force in Lilongwe, Malawi, from December 02 - 13, 2024 in association with Xavier Institute of Engineering, Mumbai, India and were honored with appreciation from the Indian Ambassador to Malawi, Mr. S. Gopalakrishnan. This training aimed to enhance the knowledge and skills of defence personnel in the critical field of cybersecurity, equipping them with the tools and strategies to safeguard digital assets, networks, and sensitive information in today's increasingly connected world.

The program covered various aspects of cyber threats, prevention methods, network security, and incident response, all tailored to meet the needs of defense personnel. By focusing on practical solutions and real-world challenges, the training contributed to strengthening the cyber defense capabilities of the Malawi Defence Force.





Python Programming Training in Lagos, Nigeria

Xavier Institute of Engineering (XIE), Mumbai, collaborated with Xavier Jesuit Institute, Nigeria, to conduct a two-week training program on Python programming from 18th to 29th November 2024. Held in the classroom of St. Francis Church, Lagos, the program aimed to empower participants with technical skills and foster global learning opportunities.

This initiative was led by Prof. Suhas Lawand and Prof. Mishilkumar Patel, with support from Fr. Dr. John Rose SJ, Director of XIE, and Fr. Dr. Ugo Nweke SJ and Fr. Dr. Amaechi Ugwu SJ of Xavier Jesuit Institute (XJI), Ijebu-Ode, Nigeria. Participants included high school teachers, students, graduates, and business professionals, divided into morning and evening batches for effective learning.

The hands-on curriculum introduced Python basics, including Turtle graphics, functions, GUI development with Tkinter, and database connectivity. Sessions featured interactive Kahoot quizzes and real-world applications. On the final day, participants showcased innovative mini-projects such as expense trackers, business interfaces, and currency converters, demonstrating their newfound skills.

The program not only enhanced participants' technical capabilities but also inspired educators and professionals to integrate technology into their fields. This successful collaboration highlights XIE’s commitment to global educational outreach and technological empowerment.







Python Programming And Cyber Security Training In Burkina Faso

Aligned with our vision to nurture the joy of excellence in a world of high technology, Xavier Institute of Engineering is dedicated to share technical knowledge through continued collaboration with African countries to empower underserved communities with advanced educational tools and skills, fostering a culture of innovation and creating opportunities for transformative growth.

In line with this mission, two of our esteemed faculty members, Dr. Vaishali Gaikwad and Prof. Stella J., have contributed their expertise to Kosyam Jesuit University of Science, Ouagadougou, Burkina Faso. From November 11-22, 2024, they conducted a two-week training session on 'Python Programming and Cyber Security.' Notably, they successfully completed the Three batches and were honored with appreciation from the Indian Ambassador to Burkina Faso, Mr. Krishna Kumar V.K and Vatican City Ambassador to Burkina Faso Fr. Abbe Boya Johny.














ENGLISH
SECTION
"You are my sun,
my moon,
and all of my
stars."

UNRAVELING DESTINY

Maybe it is how the stars align,
Everything dances in its own time,
We just have to let the winds of change blow,
For beyond the storm, new worlds will grow.
Life will test your soul's endurance,
Pushing you past the edge of patience,
But in the silence, the healing begins,
Just trust in fate, and let it win.
Smile, and let the chaos unravel,
In the shadows, secrets twist and travel,
Lift your head high, let your heart be bold,
Through the night, your destiny unfolds.

Zenobia Deniz (TE COMPS)

SHADOWS OF A DISTANT PAST

The shadows fall where memories lie,
In quiet corners, soft and shy.
They speak of days we cannot see,
Of who we were, and used to be.

Faint whispers stir the air around,

Of laughter lost, no longer found.
The faces blur, the voices fade,
But in the dark, their presence stays.

Time moves forward, sharp and fast,

Yet leaves behind its gentle cast.
The past lingers, though it's gone,
A silent guest who lingers on.

We walk through life with scars unseen,

Carrying pieces of what has been.
The joy, the pain, the dream we had,
Both the moments; happy and the sad.

Somewhere deep, we try to hide,
The shadows we can't push aside.
They follow us, wherever we go,
Silent reminders, soft and slow.
The years may pass, but still they stay,
In the quiet moments of our day.
In a forgotten song, a fleeting glance,
They stir within, making us dance,
Yet in their depth, there's something clear,
A reminder of what once was dear.
Though time has taken much away,
The shadows of the past still stay.
For in them, quiet, we find grace,
A trace of love, a familiar face.
And though the years may pull us far,
The shadows of the past are who we are

Ronhav Rane (FE EXTC)

THE UNIVERSE KNOWS THE WAY

Life always surprises us in the most unexpected ways. As a child I had long lists of dreams. I wanted to be in the school sports team, be an all-rounder, wear a sash as a representative, win a trophy and even patch up with my uncle after a family fight. And ironically one thing I never wanted was- to be an engineer. It was never part of my plan. But the universe had other ideas. It gave me engineering – a path I never imagined for myself. Strange but I resisted this direction and the universe quietly went about fulfilling every single one of my childhood dreams. I became an all-rounder, got the sash, joined the sports team and even patched up with my uncle. This journey taught me an important lesson about the law of the universe – what many people call the Law of Attraction. The principle is that if one thinks and wants something badly enough and works towards it with belief, one can shape reality. In fact what one truly wants is often achieved not by rigid planning but by being open to life's unexpected detours. Despite not being on my dream board, engineering ultimately served as the conduit for the realization of many of my other goals. The cosmos tends to offer us what we need to develop, grow, and achieve new heights rather than what we believe we want. Even though it didn't seem like it at the time, I can now understand how everything came together from that angle. One is always prepared to meet life's challenges head-on when they trust the process and let things unfold naturally. The cosmos pays close attention and incorporates our goals into a reality that we might not fully understand right away.

Cecilia Dinesh (TE COMPS)

THE POWER TO FLY IS WITHIN YOU

There was a bird in a cage who always longed for freedom, to feel the air and fly away to connect with its kind. She was so blinded by her painful past, the bird couldn't see that the door of her cage was unlocked. In her pursuit of freedom and battling her self pity, she couldn't escape as she was way deep in her past trying to mend it and way more into the future building castles of dream. Despite our grievous past and impossible dreams, one must learn to start living in the present. Celebration of being alive because time is the very essence we have as we know, the essence of life is a concept of time in the different seasons of life. It is made up of space and energy. "The essence of life is constant growth." Love, happiness, fellowship, family, loyalty and most importantly peace make life worth living.

Joanna Bokka (FE IT)

LUCK HAPPENS, LOVE GROWS.

Luck happens, love grows. These words reflect two forces that shape our lives in distinct ways, much like the eternal debate between the mind and the heart. Luck, often perceived as a product of chance, mirrors the mind's preference for logic and external factors. Love, however, resonates with the heart's yearning for emotion, connection, and growth. Together, they reveal the interplay of chance and choice, reason and feeling, in shaping our human experiences.

Luck is unpredictable and fleeting. It's the unexpected opportunity, the random meeting, or the fortuitous turn of events that seem orchestrated by the universe. Much like the mind's focus on strategy and outcomes, luck thrives in the realm of the external and the uncontrollable. It operates without effort, yet its impact can be profound. But luck is unreliable—it can only take you so far.

Love, on the other hand, does not arrive by chance; it grows with intention and care. It thrives on connection, shared experiences, and the vulnerability of opening your heart to another. Unlike luck, which is passive and fleeting, love demands effort and is enduring. It aligns with the heart's wisdom, which often defies logic but is deeply fulfilling.

The mind versus heart debate parallels the love versus dynamic. The mind seeks control and rationality, often relying on luck to create opportunities. The heart, however, trusts in the emotional depth of love to sustain and nurture. Luck may bring people together, but it is love that keeps them bonded. Similarly, the mind may chase momentary gains, but the heart builds lasting connections.

Ultimately, life is a balance of these opposing forces. Luck provides fleeting moments of joy, much like the mind's quick solutions, while love offers deeper purpose, much like the heart's unwavering instincts. Luck happens, and we should embrace it when it does. But it is love, like the wisdom of the heart, that grows, grounds us, and gives life its truest meaning. In the end, both forces—and both perspectives—shape who we are, but it is love that endures.

Priyanka Girap (SE IT)

FEAR OF THE UNKNOWN AGAINST THE DESIRE FOR CHANGE

At the hands of fate, human beings are both constant seekers of progress and prisoners of fear. The pull between the fear of the unknown and that desire to evolve has characterized much of our individual journeys and, indeed, of our evolution as a species.

Picture standing at the edge of a dark forest, its fathomless depths ringing with a sort of forbidding mystery. The fear of what lies within is palpably real

It whispers of failure, pain, and regret—warning us to stay where it is safe, where the known cradles us in familiar comfort. Yet, there's that other voice, much softer, but persistent, pushing us to move into the open, to reach out to what could be, to rise beyond where we are. Fear usually wins the first round. It is easier to exist in lesser danger. History is littered with instances where hesitation caused relative stagnation. For instance, the advancement of new technologies, new scientific breakthroughs, or societal reluctance to accept change. But, if the desire to evolve becomes greater than the fear of stagnation, we have seen incredible leaps forward: landing on the moon, curing diseases, or even the very act of learning to read. But what about the unknown makes us so afraid? Probably because it just mirrors our very frail selves. Evolution requires the same bravery—courage to be uncomfortable, to fail, to forgo certainties. It brings us to look at shadows deep within ourselves and the world around us, trusting that the outcome will be worth the pain. The fear of the unknown per se is really good because it guards us against recklessness. But finally, as it does with everything, it can also become the cage of mediocrity—a snare in which we end up. Desire, on the other hand, is the fire upon which progress feeds. Ultimately, the question is not whether fear or desire is stronger. It is whether we are courageous enough to allow curiosity to drive us through fear and trust that every step into the unknown is a step toward becoming something greater.

Anushree Verma (SE CSE)

BENEATH THE STARLESS SKY

Beneath the starless sky, so deep,
The world lies still, as if in sleep.
No guiding stars, no silver glow,
Just endless black where dreams may go.
The wind hums low, a mournful tune,
A hollow hymn beneath the moon.
Yet even here, where shadows reign,
A flicker rises, soft and faint.
A spark within the heart persists,
Defying darkness, it exists.
For though no stars may light the dome,
We find the strength to blaze our own

Brandon Coutinho (FE IT)

RUGS TO RICHES

Hi! I am Rudra Pathak, an ordinary resident of a concrete jungle named Mumbai,
The city that never sleeps, where fiery ambitions soar high,
In the throbbing hearts of simple people, who dream big and work tirelessly,
Even if it means grinding 9 to 5 to quench their visions thirstily.
I was one among the crowd, living in a boxed concrete flat,
Where shifting to a grand bungalow was a feather in one's hat,
A luxurious car, a visa abroad and the right girl—neither too thin nor stout,
Where all my friends and I would talk about.
My parents worked hard from morning till night,
Building wealth, brick by brick all for that momentous flight.
All I was told was to study hard and land a safe job,
If not that then my parents said, "Your life will be full of sobs."
Invisible burdens I felt placed on my young shoulders
The inevitable responsibilities of the house and my ageing elders,
Be it the seven-hour college grind or the late evening class,
The only aim was to excel, but I was blind to the rat race I'd pass.
In Mumbai's railways, swarming with people late at night,
I would board the locals, pushing with all my might,
Many times, on the train, I'd glimpse an opulent, golden restaurant,
Where rich men and women dined, their laughter jolly and vibrant,
And I'd wonder as stations flashed by, one after another,
If I ever became rich, how beautiful life would feel, like no other.
But as soon as I started weaving my dreamy life with thoughts as the thread,
Reality struck, and like a butterfly, my dream took flight and fled.
From that day on, I was resolute to chase it down and become the man I dreamed of being,
Yet time and again, responsibilities robbed my vision, leaving me reeling.
And then one day, a man appeared, who turned my life around,
My professor, the one with whom my worries were unbound,
The richest man in town, yet humble and so kind,
Sharing his wisdom, a treasure refined.
With years of experience, he chose to impart,
Lessons that lit a fire deep in my heart.
And the first day I remember still,
He drove out my fear and replaced it with a new thrill.
Once he whispered, a lesson so clear,
"Don't work for money; let wealth appear."
He taught me the game of assets and debt,
Showed me what I owned and what I'd regret.

An asset filled my pocket with gold,
While liabilities drained, leaving stories untold.
"Mind your business," he said with a grin,
"Build your wealth; let the journey begin.
Invest in ideas, in stocks, or in land,
And let your money grow with a guiding hand."
The taxman's share once shrank my take,
But knowledge of laws was what I'd make.
"Create a company, protect what you've earned,
Build a fortress of wealth, carefully learned."
He urged me to risk with a calculated mind,
For opportunities favoured the bold and kind.
"Learn to sell, to lead, and to dream;
Skills are your foundation, the building team."
I overcame fear, the lazy excuse,
Broke free from habits that wealth would reduce.
I dreamed bigger, acted smarter, and didn't delay,
Building my freedom day by day.
And so I began, with my goals in sight,
Worked through challenges, morning to night.
For money should serve, not hold you bound,
In his wisdom, true freedom I found.
And today, after all these years, I can proudly say,
I'm no longer ordinary but a rich, wise man of the day.

Riya Pataskar (SE COMPS)

LIFE'S WHIMSICAL TURNS—REDRAWING THE MAPS OF EXISTENCE FOR SOME OF THEM

It provokes my mind whenever there are times when it gets difficult to lose the knots that suffocate me. Usually, when you're not able to reach a conclusion to the endless thoughts that swirl around your brain, leading to no actions but mere speculations, isn't it just like staring at a blue screen lying around in the corner, trapped in a cycle that keeps repeating itself? The same old habits-the ones that led to this point, keep resurfacing, pulling you back into the pattern of self-doubt and regret. You make the same mistakes, talk to the same people, letting the same old thoughts invade your mind. It's as if time stands still, and you're stuck in this loop, unable to break free. It feels stagnant, to shake off the familiarity of it all, even though you know it's holding you back. When I reflect on some of the extraordinary individuals who have endured the most formidable hardships and yet continued to cling on to the hope of happiness, I feel deeply moved.

I went through the journey of some of these brilliant beings, to divert my attention from the protagonist being me and to explore the agony, torment, and the level of grief they pushed themselves through without giving in. Isn't it amusing to know that depression, anxiety, and all of the cognitive illnesses that the current generation is supposed to be facing seemed to me as insignificant as a ripple in an ocean? Unrelatable as it could seem to me, when I delved into the experiences recounted by a Holocaust survivor, who went on to live the age of 100 years after his liberation from the world of terror. He spent his adulthood shifting from one concentration camp to another, having about a square meter space to sleep in shifts due to the lack of space, nothing more than a thin, flimsy sheet draped over to cover their frail bones, surviving constant hunger and weakness that plagued him every day. In a place like this, he drew on the skills that he learned as a mechanical engineer to work under the Nazis on some projects to lessen the possibility of being selected for execution. Later on, he got accustomed to the dehumanising environment, relying on the camaraderie of fellow prisoners. A similar story of a man who was imprisoned for 14 years at Guantanamo Bay without being accused of a single crime. He was transferred multiple times from prisons in one country to another, where he went through physical and mental torture, and endless hours of interrogation that left his body and mind shattered. Meals were often canned packages that were irregular, leaving him in constant hunger, kept in solitary confinement, and enduring sleep deprivation. He lost his soul when he was informed that threats of violence against his family would be conducted, forcing him to confess to the allegations raised. To summon the strength to endure the cruelty inflicted upon him, he continued to pray and was punished for attempting to observe his religious duties. From the stories I illustrated above, people had moments in life when everything changed instantly. One day, you live peacefully, and the next, you are thrown into chaos without a warning. Unimaginable hardships stripped their dignity off—can't even pee without permission! They fought for years to reclaim their lives, which almost crushed their spirit. We, today, hold the reins of our own destiny, but paradoxically, we invite chaos into our lives and are experts at drawing ourselves into self-made struggles, chasing perfection, overindulging in comparisons, and surrendering to a culture of instant gratification. Problems that can be solved are instead magnified, turning molehills into mountains. They had the only choice to endure, but we have the power to regain control.

Shruti Samaleti (SE EXTC)

THE JUDGES OF GOOD

What makes a deed good? Many people worldwide have their core belief system based on the simple taxonomy of being good or bad. This ‘good’ might not be the same as you think you know. Animals are social. We find examples of belonging, unity, and society everywhere from ants to humans. In the higher animals, we also find a sense of individuality—a sense of ‘me’ within social groups. This identity has caused each individual to adhere to societal norms while creating their own definitions for those norms. Being influenced by each other, a general understanding of ‘good’ is the same. However, introspecting deeper, we see that our morals and values may not produce the same meaning. If we talk about a student. It is ‘good’ to compete, to show your talent, and to achieve high while even exhausting oneself. Some view it as inspirational while others get envious. Some think it's necessary to work tirelessly. Others see them as overachieving show-offs. There are many perceptions—both good and bad—of the same deeds, of the same person. Which of them is correct? Our world is centred on the ‘absolute good’ system, but we must still be aware that each person's take on any event is vastly different. And ultimately, any deed is judged by everyone’s own norms, beliefs, and what that person values more. Each person’s belief system is shaped by the experiences they get in their life. These experiences are unique to each person. No one’s life has ever been the same. So, having one universal definition is never possible; a unified definition of ‘good’ doesn’t exist. But let me recall the words of William Ernest Henley in his poem ‘Invictus’... “I am the master of my fate, I am the captain of my soul.” These words remind us of the one person who matters most. ‘Your’ deeds need only be judged by ‘your’ values and sentiments. Your beliefs are driven by your experiences. Others’ views or opinions of your work aren’t any verdicts for you. Likewise, everyone’s values are not something you can judge either as you have never been in anyone else's shoes. You have no idea what the others have been through. Multiple, conflicting opinions may arise out of the differences in people’s beliefs. So one must keep an open mind because clashing opinions can both be valid enough. Value and respect others’ opinions, maybe learn from them but do not veer off-course just because of the other opinions—remain the captain of your own ship. Understand your crewmates. The more perspectives and differences one sees, the bigger the picture one can comprehend. Your definition of ‘good’ fits best with your world. Be empathetic to understand how it fits with others’ worlds. Now think again. What makes YOUR deeds good?

Sarvesh Dabholkar (SE COMP)



REGIONAL SECTION

वणलेली शाल

आपण वणलेली शाल
सो याचा दोर, न याचा धागा,
येक वेगळा, पण बांधला आहे जागा.
रव न येतात धा यांचे तुकडे,
एक येऊन जुळतात मुकुटाचे मोती.
पेरी रेशीम, मऊसूत लोकर,
कधी तेज वी, कधी साधा शंृगार.
येक रंग आहे खास,
पण सगळे मळून होतात अ तम आस.
एक ा धा याने उभे राहता येत नाही,
पण एक होऊन, शाल तयार होते जाई.
येक रंग, येक छटा,
जुळून बनते अनोखी कथा.
हणून पाहा, हे रंग, हे म ण,
जीवनाची शाल आहे हा अ तीय अनुभव.
भेदरेषां या पलीकडे जो पाहतो,
तो ख या स दयाच ा अथ जाणतो.

Soham Murarkar
(SE COMPS)

मृ यु

मृ यु का चेहरा शांत, सरल,
जैसे छूता हो जीवन का हर पल।
एक अंत, जो है बस एक शु आत,
नई राह दखाए, नई बात सखाए।
वह न डर है, न कोई सज़ा,
बस एक दरवाज़ा, सरी दशा।
जहां शोर थमता, मौन बसता,
और आ मा नया प धरता।
मृ यु के श से मटता अंहकार,
सभी को करती एक समान अ धकार।
न राजा, न रंक, न छोटा, न बड़ा,
सबसे कहती, "चलो घर वापस अब चला।"
जीवन क कड़ी का ह सा यही,
जो समझे, उसे मलती शां त सही।
मृ यु को न रोको, न गले लगाओ,
बस इसे समझकर जीवन सजाओ।

Romit Singh
(SE CSE)

समय र हत ताना-बाना : भ ता केपार देखना

जीवनक व वधताएँ ँअ सर हम अलग-अलग कोण और अनुभव दान करती ह । समाज क संरचना को समझने के लए, हम इन भ ता को एक गहरे और ापक कोण से देखने क आव यकता है। “समय र हत ताना-बाना” का एक अ त अथ है, जसम हम अपने आस-पास क नया को उसक असली प म समझने का यास करते ह , बजाय इसके क केवल भ ता पर यान क त कर ।हमारे समाज म कई तरह क जड़ और सं कृ तय का महासागर है। यह व वधता न केवल हमारी पहचान को बनाती है, ब क यह हम एक सरे के करीब लाने का भी मा यम बनती है। जब हम भ ता को वीकारते ह , तो हम एक ऐसी नया का नमा ण करते ह जहाँ वचार क वतं ता, स ह णुता और सहअ त व क भावना मुख होती है। ले कन सवाल यह है क भ ता के बीच हम कैसे संवाद कर सकते ह ? इसका उ र है: समझ और सहानुभू त। जब हम कसी क कहानी सुनते ह या उनक त को समझने का यास करते ह , तो हम न केवल एक नया कोण ा त करते ह , ब क हम एक गहरी संबंध क ओर भी बढ़ते ह । यह या हम यह सखाती है क हर का अनुभव अ तीय है और उसका अपने तरीके से अथ है।कला, सा ह य, और संगीत जैसे मा यम भी इन भ ता को जोड़ने का काय करते ह । व भ सं कृ तय क कला एक अ त ताना-बाना बुनती है, जो हम बताती ह क कैसे आपसी भ ता के बावजूद, मानवता का एक साझा अनुभव है। जब हम इन कला क ओर झांकते ह , तो हम यह समझने म सहायता मलती है क हमारे भीतर क समानताएँ ँउन भ ता के ऊपर ह जो हम अलग करती ह ।अंत म , “समय र हत ताना-बाना” हमसे यह आ ह करता है क हम हमारे चार ओर क व वधता को केवल बाधा न मान , ब क एक अवसर के प म देख । जब हम इन भ ता को समझने का यास करते ह और एक- सरे के कोण का स मान करते ह , तो हम एक ऐसे समाज क ओर कदम बढ़ाते ह जहाँ ेम, समझ और सहयोग क भावना होती है। यही है हमारी असली संप , और यही हम एक बेहतर भ व य क ओर ले जा सकती है।

Riddhi Hadawale (TE COMPS)

जीवन का कमवीर

कह हार है, कह जीत,
जीवन क है यही ीत,
जीवन क है यही रीत,
ह लोग भयभीत।
कह हार न जाऊं म यं ही गाते ए यही गीत।
हंसते-हंसाते पर यु लगती है यं ही यह रा ता ,
थकावट और ज़लील से भरा आ यह ब ता,
या मेरे मन म है कोई जीत क आ ा?
फर भी, बना के लगा म ,
अपनी तक़द र का कमवीर बना म,
लगता है ख़ुदा से न जुदा म,
य क लगता है आज भी गगन से जुड़ा म।
जीवन का कमवीर बना चाहता ,
हर कदम पर खुद को फर से संभालता ।
हार हो या जीत, कना नह सीखा,
हर मु कल को अपने हौसले से देखा।
आँ धय म भी जलता रहा द प,
म जीवन का कमवीर, यही मेरी ीत।

Jay Kshirsagar (SE IT)

आशा आ ण सकारा मकता

स तरंगांची कमया, चं ाचा गंध,
जगा या कंुडलात जपलेली शु छानद,
कधी न पा हले तरी, अजून एक व ,
आशे या पंखांनी उडेल याचं गंत .
अंधारा या रातीला तोडणारं तेज,
रणांचा व तारा, न थांबणारी गती,
सकारा मकतेची झळ उचल, आपला माग चाल,
नद सारखा वाह, व ाची धार साकार!
वा या या गातीत, नवीन रंग शोध,
चुकता येईल, पण धाडस ठेव तथेच,
आशेची योत जरी लहान असली तरी,
जगायला शक, हरवलेला लढा जक !

Dhrumil Dholakia (TE CSE)

कालातीत गाठोडं : भ तेपलीकडे पाह याची कला

भ ता ही मानवजातीची खरी ओळख आहे. भाषा, धम , सं कृती, था, वंश, आ ण वचार याम ये असले या व वधतेमुळेच आपली मानवता समृ होते. परंतु, ही भ ता अनेकदा संघष , मतभेद, आ ण फूट नमा ण करते. 'कालातीत गाठोडं' ही संक पना या भ ते या पलीकडे पाह याची कला शकवते. जगभरात येक ची जीवनशैली, वचारसरणी, आ ण आवडी वेग या असतात. भ तेला जर अडथळा हणून न पाहता ती समृ तेचे साधन मानले, तर समाज अ धक गत होईल. उदाहरणाथ , भारतीय समाजातील व वध व वधता— जथे शेकडो भाषा बोल या जातात, असं य धमा चा अ यास केला जातो, आ ण व वध सण साजरे केले जातात—अनेक धमा चे वा तव आहे, ती जवंत गाठोडंच आहे. ही व वधता आप या समाजाला सां कृ तक ा संप करते.

भ तेपलीकडे पाह यासाठ आप याला समप क कोनाची गरज आहे. संवाद आ ण सहकाय हे भ तेतील अंतर कमी कर याचे मह वाचे माग आहेत. एकमेकां या परंपरांचा आदर क न आ ण या समजून घेत याने समाजात एकोपा नमा ण होतो.

भ तेला समृ तेत पांत रत कर यासाठ श ण मह वाची भू मका बजावते. शालेय श णात व वधतेचा अ यास क न, त णांम ये आदर आ ण स ह णुतेची भावना जवता येते. तसेच, सामा जक मा यमांचा यो य उपयोग क न लोकांमधील समज आ ण सहकाय वाढवता येते.

भूतकाळातील अनेक ने यांनी या वचारांचे समथ न केले आहे. महा मा गांधी, ने सन मंडेला, आ ण मा ट न यूथर क ग यांनी व वधते या पलीकडे पा न समानतेचा संदेश दला. यां या वचारांमुळेच समाजात मो ा माणावर सकारा मक बदल झाले.

'कालातीत गाठोडं' ही फ संक पना नसून, ती एक जीवनशैली आहे. आपण भ तेकडे या ीने पाहतो, ती आप या भ व याची दशा ठरवते. व वधतेतील एको याचा धागा वणला, तर जग हे एक सं ुंदर गाठोडं बनू शकते, जथे येक चे योगदान मह वाचे आहे.

भ ता हणजे कमजोरी नसून, तीच आपली खरी ताकद आहे.

Vedang Rane (TE COMPS)

जीवन क बुनाई

हर चादर क कहानी है
जीवन... हर चादर म बसी है;
कभी सुख, कभी :ख के रंग, हर कोने म छपी नशानी।
टूटती-फूटती सुई से गुजरे सपन का अनमोल ताना;
धागे-धागे बसे र त क मीठ गाथा|
माँ का नेह, पता का संबल, दो त का ठहाका मधुर;
हर धागे से बना इसम एक रंग सजाता है।
हर धागा तालीम दे जाता;
हर धागे सेइसे और खूबसूरत बनाता।
कभी-कभी घला भी ख अधारा छूत आया, पर डोरी टूट , हर डोरी हर पल इसे और मजबूत बनाती।
अनंत क चोरी का यह एहसास कभी हर शान म चली आती।
कोई समय पीढ़ समय गु तगू समय हर युग सजाता है;
यह चादर कभी पुरानी नह होती, समय बस पीढ़ समय इसे ग हर।

Abhishek Vangari (TE EXTC)

आसान है या ?

हाँ, म जानती ँ,
मुझे यार ब त मलता है,
पर सफ़ तभी,
जब सामने वाला मुझसे बड़ा हो।
हमेशा बाँटना आसान है या?
हम सबको हँसाते ह,
पर अपनी परेशा नयाँ कभी नह बताते ह।
या हमेशा चुप रहना आसान है?
जब हर बार कहा जाता है—
"अपने बड़े से बेहतर बनकर दखाओ,"
जै सर बनना आसान है या?
मेरी पसंद सफ़ तभी सही मानी जाए,
जब बड़े उसे सही ठहराएँ।ँ
सर से अपनी पसंद पूछना
आसान है या?
जो बड़े के हसाब से सही नह ,
वो मेरे लए भी सही नह ।
सर से अपनी ज़द गी का चुनाव करवाना
आसान है या?
लोग कहते ह,
" बे ट"छोट याँ खरे वाली होती ह, "
पर जब उ ह मेरी पसंद तक पता न हो,
तो इसे सहन करना
आसान है या ?
वैसे आसान तो म सबक लाडली ँ,
पर जब लाड़ जताने क बारी आए,
तो हमेशा सरा बन जाना
आसान है या?
हर बार कसी और क गलती का असर
खुद पर झेलना
आसान है या?

अपने माँ-पापा को खुश रखने के लए,
उनक हर बात मानना,
चाहे वो मुझे पसंद न हो—
खुश रखना
आसान है या ?
अपने ज बात को छुपा लेना,
चेहरे पर मु कान सजाना,
द अंदर से रो रहा हो—
आसान है या जब ?
हर वाब को सर केआसानसपन म मलाना,
वा हश को दबाना,
दल बार-बार पुकारे उसे पूरा करने को,
जब आसान है या?
जब अपने सवाल का जवाब न मले,
हर बार "बस मान लो" सुनना पड़े,
बात पर अ डग,
आसान है या?
हर बार सर म शा मल होना,
अपनी खुशी को अकेले जीना,
आसान है या?
अपने अ त व को हपर दन प रभा षत करना,
हर बार सर क कसौट पर खरा उतरना,
आसान है या ?
फर भी हर सुबह नए जोश से उठकर,
ह से का सूरज खुद,
आप से लड़कर भी मु कुराना,
कभी- ये सब करना पड़ता —
आसान है या?
हरअपने को मुझ पर गव महसूस करवाना,
आसान है या?

-Bhanavi Panday (TE CSE)

अ कालातीत गाथा : मतभेदांना समजून घे याची कला

"मतभेदां या पलीकडे पाहणे" हणजेएकमेकांना समजून घेणं, वीकारणं, आ ण एक काम कर यासाठ ामा णकपणे य न करणं. भारतासार या रंगीबेरंगी आ ण व वधतेनेभरले या देशात अनेक धम , भाषा, था, आ ण जीवनशैली आहेत. पण कधी कधी हीच व वधता गैरसमज आ ण मतभेद नमा ण क शकते. अशा वेळ सग यांशी संवाद साध याचा आ ण मतभेद मटव याचा य न करणंखूप मह वाचंहोतं.

मतभेद वीकार याचा वचार केला तर मला असंवाटतंक फ "मी बरोबर आ ण तूचूक" असं हणणं पुरेसं नसतं. याऐवजी, "तुझंमत वेगळं असलंतरी यामागेकाहीतरी अथ असूशकतो" हेसमजून घेणंअ धक यो य ठरतं. आज या सोशल मी डया या युगात आप याला वेगवेग या मतांव न उभेराहणारेवाद सतत दसतात. अशा वेळ संयम राखून वचार करणं, ेष पसरवणा या गो ना ल करणं, आ ण शांततेत तोडगा काढणंखूप मह वाचंआहे.

मी वतः या अनुभवांमधून सांगायचंतर, मा या कॉलेज या काळात व वधतेला जवळून अनुभव याची संधी मळाली. भारता या व वध ांतांमधून आले या मा या म -मै ण या भाषांम ये, यां या परंपरांम येआ ण वचारसरणीत मोठा फरक होता. यां याशी संवाद साधताना, यां या कोनातून गो ी समजून घेताना मला जाणवलंक येक कडून काहीतरी नवीन शकता येतं, आ ण यामुळे आप या वचारांचं व आणखी व तारतं.

आप या वातं यलातदेखील आप या पूव जांनी आप या सग या मतभेदांना बाजूला ठेवलंआ ण देशासाठ एक आले. यांची ही एकतेची भावना आजही ेरणा देते. आपली व वधता ही केवळ वेगळेपण दाखव यासाठ नसून तीच आपली खरी ताकद आहे.

अखेर, व वधतेला वीकारणं हणजेआपलीच ओळख मोठ करणं. जर आपण सग यांचे वचार समजून घेतलेआ ण आदरानेवागलो, तर आपला समाज खूप चांगला आ ण सश होईल. "अ कालातीत गाथा" ही या वचारांची कहाणी आहे, जी पुढ ल प ांसाठ एक आदश ठ शकते.

Kartik Rane (TE COMPS)

पानांची भाषा

आम या कुटंुबात आ हाला दा गने क वा चीनी मातीची भांडी वारसा हणून मळाली नाहीत - आ हाला एक बाग मळाली. कोणतीही साधी बाग न हे, तर चार प ांमधून जतन केले या बयांचा सं ह, येक जातीची वतःची कहाणी, वतःची कुजबुजलेली रह येअसलेली. मा या पणजीने महामंद या काळात हेसव सु केले, त या अंगणातील ह मातीत जी भाजीपाला जगूशकली यां या बया जतन क न. ती या छो ा कागद लफा यांम येठेवायची, येकावर त या सं ुंदर अ रात काळजीपूव क टपा ल हले या: "वाटाणे- पौ ण मेला लावा," "टोमॅटो - सकाळ या सूय काशाची आ ण पार या सावलीची गरज." लहानपणी मी मा या आईला या जु या लफा यांना आदरानेउघडताना पाहायचे, जणूकाही ती मह वाची कागदप े हाताळत होती. काही इत या जु या हो या क यांवरील ल ह याचेभूत-सारखेअ झालेहोते, पण तला येक जाती पाठ होती. "या जांभ या श गा," ती त या नखाएव ा बया दाखवत हणायची, "तीन काळ आ ण एक पूर यातून वाच या. या आम यासार याच जवटं आहेत." मला ते हा समजत न हतेक बया कशा कहा या सांगूशकतात. मा यासाठ या फ वसंत ऋतूपय त झोपले या श यता हो या. पण जसजशी मी मोठ होत गेले, तसतशी मला बाग आम या कुटंुबाचे जवंत द तर हणून दसूलागली. या लाल रंगा या श गा हो या या मा या आजीने स या महायु ा या काळात कं ुपणाजवळ लाव या हो या, यांची फुलेअंधकारमय दवसांत रंग आणत. तो मजबूत केल जो १९६२ या वशेष कठ ण हवा यात तीन कुटंुबांना खायला मळाला. तो सुगंधी तुळस जो मा या आईनेमा या व डलांना भेट यावर लावायला सु वात केली, कारण यांना इटा लयन जेवण आवडायचे. येक रोप ाचे वतःचे म व होते, वतः या गरजा आ ण वशेषता हो या, या नुक याच नांगरले या मातीवर कुजबुजत सां गत या जात. "टोमॅटोशी बोला," माझी आई आ ह करायची. " यांना ेम मळा यावर ते चांगलेवाढतात." मी यावर डोळे फरवायचे, पण आता मी वतःला तेच करताना पाहते, मा या दैनं दन सम या धीरानेऐकणा या पानांशी शेअर करते. सवा त मौ यवान वारसा एका छो ा लफा यात आला यावर फ "मॉ न ग लोरी - काळजीपूव क हाताळा" असे ल हलेहोते. या बया, मा या आईनेमला सां गतले, मा या पणजी-आजीनेइटली न आण या हो या, त या मालात काळजीपूव क गं ुडाळून. या त या घराचा एक भाग हो या, एक वचन क स दय कुठेही फुलूशकते. जे हा माझी आई गेली, ते हा मी त या बागेत उभी होते, अशा रोपांनी वेढलेली यांचा इ तहास मा यापे ा जा त जुना होता. ही जबाबदारी अ तशय दडपणाची वाटली. ही फ रोपेन हती - या कहा या हो या, आठवणी हो या, पुरावा होता क आम या कुटंुबानेमुळे रोवली आ ण फुलली. आता, जे हा मी मा या मुलीला लावणी आ ण कापणीचेताल शकवते, ते हा मी तचेछोटे हात तेच हालचाली शकताना पाहतेजे त या पणजी-पणजीला मा हत होते. ती शरद ऋतूत काळजीपूव क बया गोळा करते, त या लव चक बालवाडीतील अ रात लेब स ल हते. कधीकधी, जे हा सं याकाळचा काश सोनेरी होतो, ते हा मी तला रोपांशी कुजबुजताना पाहते, यांना त या दवसाब ल सांगताना. सतत बदलणा या जगात, आमची बाग एक र गो रा हली आहे. आ ही जतन करत असले या बया केवळ अनुवां शक साम ी वा न नेत नाहीत - या आशा, चकाट आ ण प ांची शांत शहाणपण वा न नेतात. येक वसंत ऋतूत, जे हा हरवेअंकुर मातीतून वर येतात, ते हा मला आठवण येतेक काही वारसा डॉलस क वा कागदप ांम येमोजता येत नाही. तेमोजले जातात या प तीने ान एका पढ कडून स या पढ कडे वाहते, मातीत हात घालून घातले या शांत णांम ये, जेवाढते याची काळजी घेत असताना आ ही सांगत असले या कहा यांम ये. आ ही सव मृत चेमाळ आहोत, अशा कहा या लावत जेआ ही गे यानंतरही फुलतील, भूतकाळ आ ण भ व याला जोडणा या मुळांची जोपासना करत. आ ण आ ही जतन करत असले या येक बीम ये, आ ही केवळ एक रोप नाही तर आ ही कोण आहोत याचा एक भाग जपतो.

Amey Shelar (TE COMPS)

या योहार हमारी व वधताम एकता का तीक बन सकतेह ?

भारत एक ऐसा देश हैजो अपनी व वधता के लए जाना जाता है। यहांहर धम , भाषा, और सं कृ त के लोग मलजुलकर रहतेह । ले कन कभी-कभी यह व वधता हमारेबीच रयांभी पैदा करती है। ऐसेम , योहार हमारी इस सां कृ तक री को मटानेऔर व वधता म एकता को मजबूत करनेका सबसेबड़ा मा यम बन सकतेह । योहार केवल परंपरा का पालन नह , ब क समाज को जोड़नेका एक ज रया ह । जब हम होली पर रंग म डूबतेह , दवाली पर द प जलातेह , ईद पर सेवइय का वाद लेतेह , या समस पर केक काटतेह , तो हम एहसास होता है क खुशी और ज मनानेका कारण भलेही अलग हो, पर भावनाएं ंसमान ह । ये योहार हम यह सखातेह क हमारी परंपराएं ंअलग-अलग हो सकती ह , ले कन हमारी मानवीय संवेदनाएं एक जैसी ह । योहार क भू मका:

1.सं कृ तय का मेल:

2.जब लोग सर के योहार म शा मल होतेह , तो वेउनक सं कृ त को करीब सेसमझतेह । उदाहरण के लए, गा पूजा के पंडाल म हर धम और भाषा के लोग ा सेशा मल होतेह । इसी तरह, गणेश चतुथ क झां कयांसभी के लए आकष ण का क बनती ह ।

3.भाईचारेका संदेश:

4. योहार म हम अपनेदो त और पड़ो सय को आमं त करतेह , चाहेवे कसी भी धम या सं कृ त के ह । यह आपसी भाईचारेको बढ़ावा देता है। उदाहरण के तौर पर, लोहड़ी, प गल, और ओणम जैसे योहार पूरेसमुदाय को एक साथ लानेका काम करतेह ।

5.सां कृ तक वभाजन को तोड़ना:

6.जब हम सर के योहार म भाग लेतेह , तो हम उनके री त- रवाज और परंपरा के त स मान करतेह । यह सां कृ तक री को मटानेऔर सामू हक पहचान बनानेम मदद करता है।

व वधता म एकता:

योहार हम यह याद दलातेह क व वधता कोई कमजोरी नह , ब क हमारी ताकत है। यह हम एक ापक कोण अपनानेऔर हर सं कृ त म छपेस दय को देखनेका मौका देता है। जब हम सभी धम और परंपरा को समान प सेअपनातेह , तो हम सामा जक एकता और सामंज य क दशा म बढ़तेह ।

आधु नक संदभ म योहार का मह व:

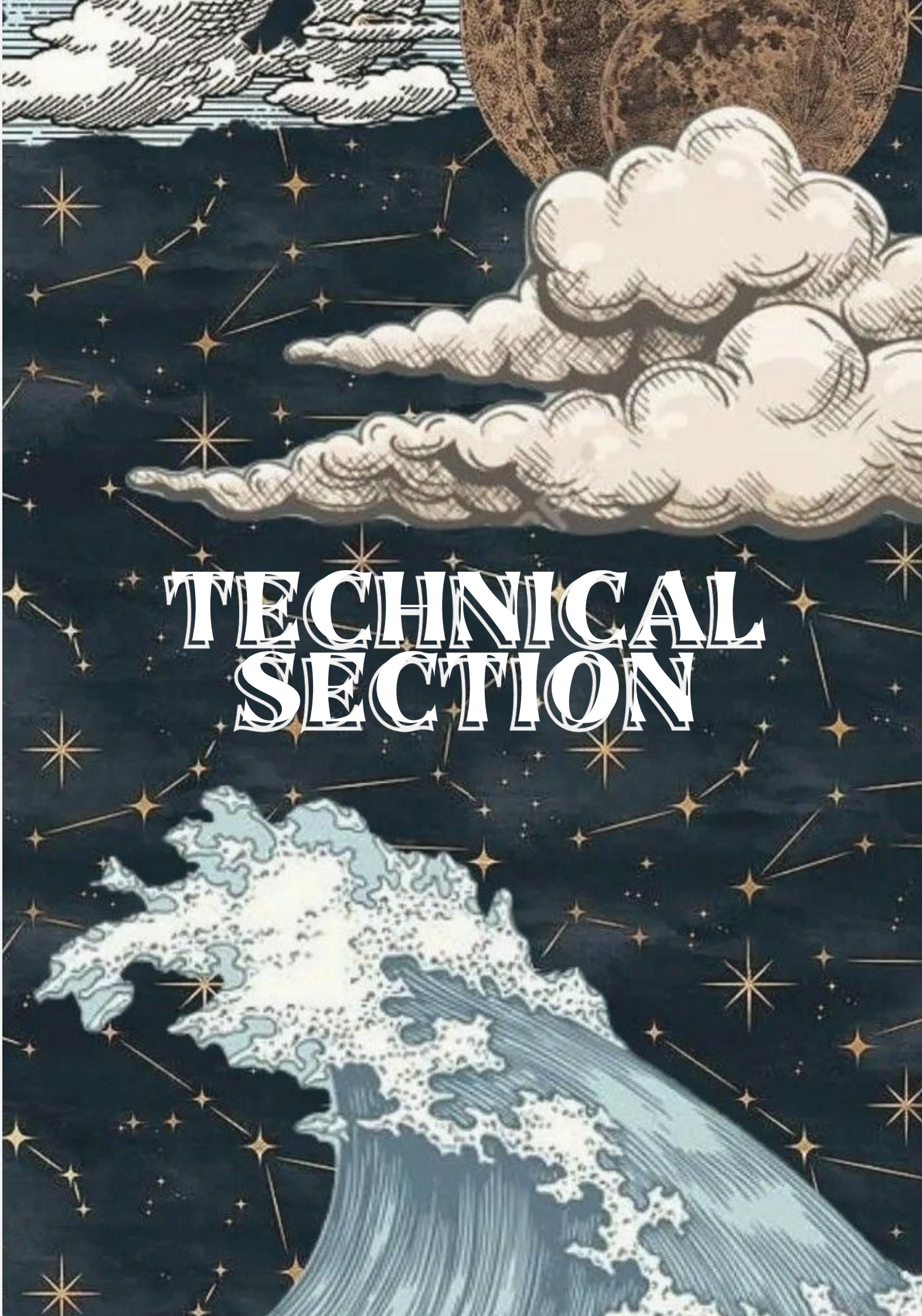
आज के समय म , जब समाज म वभाजन और अलगाव क भावनाएं ंबढ़ रही ह , योहार का मह व और भी बढ़ गया है। येहम एक मंच दान करतेह , जहांहम अपनी व भ ता को भूलकर एकसाथ ज मना सकतेह । उदाहरण के लए, गणतं दवस और वतं ता दवस जैसेरा ीय पव भी हमारेदेश क व वधता म एकता का तीक ह ।

न कष :

योहार केवल एक दन का ज नह होते; येहमारी साझी वरासत और साझा भ व य का तीक ह । जब हम योहार को सीमा और धम सेपरेदेखतेह , तो वेवा तव म एक "टाइमलेस टेपे " बन जातेह , जो हमारेसमाज को एकजुट रखतेह ।

तो आइए, इस साल के हर योहार को एक नए नज रए सेदेख —एक ऐसा मौका, जो हमारी व वधता को गलेलगाकर हमारी एकता को और मजबूत कर सके।

Harshit Jain (BE IT)


TECHNICAL
SECTION

THE METAVERSE: HYPE OR REALITY?

In 2024, the term “metaverse” has ignited a sense of excitement across the technological and cultural landscapes. This virtual domain provides for immersive experiences and interoperability across virtual spaces, generating widespread anticipation. But as the saying goes, “what rises in a rush often settles just as quickly”, the initial fervor surrounding the concept of metaverse seems to be changing!

The genesis of metaverse commenced with groundbreaking innovations in the Virtual Reality domain and the integration of both digital and physical worlds. This initial surge was further fuelled by the press and influencers along with notable companies who portrayed metaverse as the forerunner of a new digital era. These visions painted a picture of a future where the Metaverse would become an integral part of daily life, offering unprecedented opportunities for both innovation and interaction. The initial excitement sparked a journey marked by challenges and breakthroughs, revealing the complexities of building a truly immersive digital world.

The metaverse also faces challenges which need to be identified and overcome to achieve its full potential. Among these, one significant challenge is of privacy and security. Protecting user data and ensuring secure interactions are critical challenges for the metaverse. With the ever-increasing number of cybercrimes and its types, issues such as identity theft, data breaches and cyberattacks pose significant threat to the user’s privacy and security. Another challenge of metaverse is digital inclusion. Bridging the digital divide is crucial for metaverse accessibility. Overcoming barriers like affordability and digital literacy will ensure widespread participation and unlock the full potential of virtual worlds. Another significant challenge lies in establishing regulations. It is crucial to establish strong legal frameworks to effectively manage virtual environments, transactions, and digital assets in the metaverse. These frameworks should tackle key concerns, including virtual property rights, intellectual property protection, consumer rights, and taxation within virtual economies. Last but not least, mental health is also considered as one of the challenges of metaverse. Prolonged metaverse immersion can negatively impact mental health, potentially leading to social isolation and addiction. Responsible use and mental health support are vital as metaverse grows.

The metaverse offers vast potential for innovation and new opportunities. However, realizing its full potential requires addressing challenges like technology, ethics, and mental health. While the hype is significant, its success depends on responsible use, careful planning, and ongoing development, shaping the future of digital interaction.

Sam Saji (BE COMPS)

THE FUTURE OF CARS: ELECTRIC OR HYDROGEN-BASED?

The future of the automotive industry is at a crossroads, with two main contenders vying for dominance: electric vehicles (EVs) and hydrogen fuel cell vehicles (FCVs). Both technologies promise a greener, more sustainable way to drive, but the question remains: which one will shape the future of transportation?

Electric vehicles have already gained significant traction in recent years. They are powered by electricity stored in batteries, which can be charged at home or at public charging stations.

EVs are lauded for their efficiency, lower operating costs, and zero emissions. With advancements in battery technology, modern electric cars are now capable of longer ranges and faster charging times, addressing previous concerns about range anxiety and charging infrastructure. Additionally, EVs benefit from a growing network of charging stations and the strong support of governments worldwide through subsidies, tax incentives, and the phasing out of internal combustion engine (ICE) vehicles. However, there are still challenges for electric cars. The production of lithium-ion batteries, while improving, still involves resource extraction that can have environmental impacts. Furthermore, battery production and disposal remain concerns due to the energy-intensive processes and the need for better recycling methods. Additionally, the charging infrastructure, although expanding, is not yet as widespread or fast as refueling stations for traditional vehicles. On the other hand, hydrogen fuel cell vehicles operate on a fundamentally different principle. These vehicles use hydrogen gas stored in tanks, which reacts with oxygen in a fuel cell to generate electricity. The only by-product is water vapor, making FCVs an ideal choice for zero-emission transportation. Hydrogen has a high energy density, meaning it can store more energy in a smaller space compared to batteries. Refueling a hydrogen car is quick, often taking just a few minutes, unlike the longer charging times required for EVs. Despite these advantages, hydrogen vehicles face significant challenges. The production of hydrogen, particularly green hydrogen (produced from renewable sources), remains expensive and energy-intensive. Additionally, the infrastructure for hydrogen refueling stations is limited and requires substantial investment to become widespread. The transport and storage of hydrogen also present logistical difficulties, as hydrogen is difficult to compress and store safely. In conclusion, while both electric and hydrogen-based vehicles offer exciting potential for the future, electric vehicles currently lead in terms of practicality, with more accessible infrastructure and growing market adoption. However, hydrogen could still play a crucial role, particularly for heavy-duty transport sectors like trucks and buses. The future of cars will likely involve a combination of both technologies, each serving different needs in the quest for sustainable mobility.

Pratik Lushte (TE EXTC)

THE RISE OF VOICE-ACTIVATED TECHNOLOGY: A HANDS-FREE FUTURE

Voice-activated technology, once seen as a futuristic concept, has rapidly become a key part of our everyday lives. From smart speakers and smartphones to cars, voice assistants like Alexa, Google Assistant, and Siri are now integral to how we interact with devices. This evolution in technology has transformed user experiences, offering enhanced convenience, accessibility, and more intuitive ways to control technology. At the core of voice-activated technology are several key components. First, there's the microphone, which captures the audio input from the user. Next, a speech recognition engine analyzes this audio and converts it into text. Natural Language Processing (NLP) is then used to interpret the text, understanding the user's intent.

Once the system understands the request, voice synthesis generates a spoken response. Cloud-based servers process the audio data and provide the necessary responses, handling the heavy computational tasks while the device itself acts as a gateway, transmitting audio to the cloud and receiving the results. Building voice-activated technology involves using a range of programming languages, each offering distinct advantages. Python is a popular choice due to its versatility and rich set of libraries for speech recognition, NLP, and machine learning. Java, known for its robustness, is often used for enterprise-level applications. C++ is ideal for performance-critical applications or embedded systems, while JavaScript, widely used in web development, can also be leveraged for voice-activated applications. Some well-known examples of voice-activated systems include Amazon Alexa, Google Assistant, and Apple's Siri. Alexa is available on a variety of devices and can handle tasks like playing music, setting alarms, controlling smart home devices, and more. Google Assistant, integrated into Google's ecosystem, offers similar functionality, while Siri, Apple's assistant, is available on all iOS devices, performing tasks like sending messages, making calls, and retrieving information. The applications of voice-activated technology span numerous fields. Smart speakers like the Amazon Echo, Google Home, and Apple HomePod enable users to play music, set alarms, and control smart home devices. In-home automation, voice commands allow users to control lights, thermostats, and security systems. Customer service is also benefiting, with voice recognition powering virtual assistants that can answer routine questions. Voice technology is even used in vehicles, allowing drivers to control music, navigation, and other features hands- free. Public spaces also use voice-controlled kiosks and wayfinding systems to assist visitors. Looking ahead, voice-activated technology is poised for even greater integration into daily life. Future advancements could lead to more accurate speech recognition and improved contextual understanding, enabling systems to better interpret conversations. We may see voice-activated tech expand into wearables like smartwatches and offer multilingual support, allowing for smoother interactions across different languages. However, despite its growing presence, voice-activated technology faces challenges. Privacy remains a major concern, particularly regarding the collection and processing of voice data. Additionally, recognizing diverse accents and dialects remains difficult for speech recognition systems. Moreover, limitations in natural language understanding continue to present obstacles for more nuanced interactions. In conclusion, voice-activated technology has drastically changed how we engage with devices, making our interactions more seamless and efficient. As advancements continue, the technology is likely to become even more embedded in our lives, creating smarter and more personalized experiences.

Nithin Nayak (TE IT)

UNDERSTANDING CROSS-SITE SCRIPTING (XSS): A COMPREHENSIVE GUIDE

Cross-Site Scripting (XSS) is a critical security vulnerability that affects web applications, allowing attackers to inject malicious scripts into web pages. This attack enables the execution of harmful scripts in a victim's browser, which can lead to session hijacking, data theft, and redirecting users to malicious websites. Essentially, XSS exploits the trust that users place in legitimate websites, and understanding its mechanisms is crucial for developers and security professionals. XSS attacks can be categorized into three main types: Stored XSS, Reflected XSS, and DOM-Based XSS. Stored XSS occurs when malicious scripts are permanently stored on a server, such as in a database. Whenever users access the affected page, the harmful code executes in their browser. Reflected XSS, on the other hand, involves scripts being reflected off the server in response to a request, often tricking users into clicking a malicious link. DOM-Based XSS happens when the vulnerability lies in the client-side JavaScript, manipulating the Document Object Model (DOM) to execute a harmful script. The process of an XSS attack typically follows three stages: injection, execution, and exploitation. First, the attacker injects the malicious script into a web application. When a user interacts with the compromised page, the script is executed in the browser, allowing the attacker to exploit it for purposes such as stealing sensitive data or hijacking sessions. The consequences of XSS can be severe. Data breaches are one of the most common impacts, as attackers can steal personal information like login credentials and payment details. Session hijacking is another threat, where attackers can impersonate users by obtaining session cookies. Moreover, XSS attacks may also lead to malware installation or users being redirected to harmful websites, which can result in reputational damage for organizations. To mitigate the risks of XSS attacks, developers must take several precautionary measures. Input validation and sanitization are key, ensuring that all user inputs are properly filtered. Additionally, output encoding should be applied to any data displayed in the browser, with context-specific encoding for HTML, JavaScript, or URL content. Implementing a Content Security Policy (CSP) can also restrict script execution to trusted sources, while secure cookies, including the HttpOnly and Secure flags, help protect against unauthorized access. Regular security audits and penetration tests are essential for identifying and addressing vulnerabilities in web applications. By adopting these preventative strategies and staying vigilant, developers can significantly reduce the risk of XSS attacks and protect both users and the integrity of their web platforms.

Mohd Saad Ansari (SE COMPS)

VISTA-O-MATIC- VISIONARY INTELLIGENCE FOR SCANNING, TRACKING, AND ANALYSIS

Today, I will discuss my project, Visionary Intelligence for Scanning, Tracking, and Analysis, or VISTA. VISTA is designed to tackle key challenges in supermarket environments, including resource waste, operational inefficiencies, and theft prevention. Through the use of eco-friendly technologies, IoT-driven automation, and advanced security features, VISTA enhances customer satisfaction while promoting sustainability. Our goal is to create a safer, more efficient, and environmentally friendly supermarket experience by leveraging cutting-edge technologies. **Hardware Features: Precision and Automation** VISTA's hardware components include several advanced devices that work together to improve operational efficiency. For maintaining optimal environmental conditions, the Air Humidity Sensor monitors and adjusts the surroundings in areas like farms or storage spaces. The Automated Irrigation system uses real-time data to optimize water usage, which is especially valuable for agricultural applications, reducing waste and ensuring plants receive the right amount of water. VISTA also incorporates a Restricted Area Alarm for enhanced security, detecting unauthorized access and safeguarding sensitive zones. An RFID Theft Identifier tracks assets, alerting users if items are moved without proper authorization. For energy efficiency, VISTA includes Motion-Activated Lights, which only turn on when someone is present, further minimizing energy consumption. **Software Features: Insightful Automation** VISTA's software features bring even more power to the system, providing valuable insights and automation. The People Counting system uses computer vision to track foot traffic, enabling better space utilization and ensuring compliance with safety regulations. The QR Scanner & Generator allows users to quickly check in, make purchases, or reserve resources with QR codes, streamlining operations and reducing wait times. The Interactive Dashboard consolidates data from all sensors in real-time, offering an intuitive platform for monitoring the space. The AI- powered Chatbot acts as a virtual assistant, helping users with questions and assisting in configuring the system. Additionally, the Customer Sentiment Analysis tool leverages AI to assess customer satisfaction, while Heat-map Analytics visualizes traffic patterns to optimize store layouts and improve the overall shopping experience. VISTA is more than just a project—it's a transformative system that enhances the usability, security, and efficiency of smart environments. By integrating advanced hardware and software, it's shaping the future of space management. With its automation capabilities and insightful analytics, VISTA provides significant benefits to both individuals and businesses, creating smarter, more sustainable environments.

Cecilia Dinesh (TE COMPS)

REVOLUTIONIZING IT DEPARTMENT WITH AI AND ML

The integration of AI and machine learning in IT departments is transforming operations by enhancing efficiency and decision-making. These technologies automate routine tasks, analyze vast data sets for insights, and improve cybersecurity measures. By leveraging AI and ML, organizations can streamline processes, reduce costs, and foster innovation, ultimately leading to a more agile and responsive IT environment that meets the evolving demands of the business landscape. This revolution not only optimizes resource allocation but also empowers teams to focus on strategic initiatives, driving growth and competitive advantage. Furthermore, AI and ML facilitate predictive analytics, enabling IT departments to anticipate issues before they arise, thus minimizing downtime and enhancing service reliability. They also support personalized user experiences by analyzing user behavior and preferences. As these technologies continue to evolve, they will play a crucial role in shaping the future of IT, fostering collaboration and driving digital transformation across organizations. Embracing this revolution is essential for staying competitive in an increasingly technology-driven world. **Featured Insights: 1.How AI and ML are Transforming IT**

- **Predictive Analytics:** AI and ML models forecast potential IT failures, reducing downtime.
- **Intelligent Automation:** Automate repetitive IT tasks like system updates and log analysis using Machine Learning.
- **Enhanced Security:** AI and ML power adaptive security measures, instantly detecting and neutralizing threats.

2.AI vs. ML: What's the Difference?

- **Artificial Intelligence (AI):** The broader concept of machines simulating human intelligence to perform tasks.
- **Machine Learning (ML):** A subset of AI that trains algorithms to learn and make decisions based on data.

Latest Breakthroughs in AI & ML for IT

- **AutoML Tools:** Simplifying complex ML workflows for faster deployment.
- **AI-Powered Help Desks:** NLP models improving response times and accuracy in IT support.
- **Self-Healing Systems:** Combining ML algorithms with cloud technology to predict and fix IT issues autonomously.

Case Studies: Real-World AI & ML Impact

1.Netflix's Dynamic Load Balancing

Using ML, Netflix predicts server demand during peak hours, ensuring a seamless streaming experience.

2.IT Help Desks with ChatGPT

Companies have integrated NLP tools to reduce response times, with 80% of queries resolved without human intervention.

3.AI-Driven Cybersecurity at Microsoft

AI models analyze billions of data points daily to detect and mitigate threats before they escalate.

Upcoming Events & Learning Opportunities

- **"AI & ML in IT Operations" Webinar:** December 18, 2024
- **Bootcamp: Mastering TensorFlow for IT Solutions:** January 20, 2025

Did You Know? AI and ML are projected to automate 30% of all IT tasks by 2027. The IT sector saw a 65% increase in demand for AI and ML expertise in 2024 alone! **Pro Tip for IT Enthusiasts** Start small! Begin by implementing AI chatbots or ML-based ticket prioritization systems in your IT department. These quick wins build confidence and provide immediate value. **Conclusion** AI and Machine Learning are not just tools—they are a mindset. By embracing these technologies, IT departments can move beyond reactive problem-solving to become proactive, innovative, and indispensable in achieving organizational success. Start your AI/ML journey today and be a part of the revolution that is shaping the future of IT.

Atharva Shende (SE IT)

THE FASCINATING WORLD OF HOLOGRAMS

Holography is a groundbreaking technology that captures and displays three-dimensional images, redefining the way we perceive visual information. Unlike traditional photography, which records only the intensity of light, holography captures both the intensity and phase of light waves. This unique capability enables the creation of lifelike images that appear to float in space, offering viewers a dynamic and immersive experience. The creation of a hologram relies on the science of light interference and diffraction. Typically, a laser beam is split into two parts: one that illuminates the object and another that serves as a reference. When light waves reflected from the object meet the reference beam on a recording medium, they form an interference pattern. This pattern encodes all the information needed to recreate the object's 3D appearance. Later, when the hologram is illuminated, it reconstructs the original light field, producing a vivid and realistic three-dimensional image. Since its inception in the mid-20th century, holography has evolved from a scientific curiosity into a transformative technology. In the entertainment industry, holograms have added a new dimension to performances, creating unforgettable experiences. Iconic events, such as digitally recreating legendary artists for live concerts, have demonstrated the creative and emotional potential of this technology. Holography's impact extends beyond entertainment. In medicine, it plays a transformative role by providing 3D models of anatomical structures, aiding surgeons in planning intricate procedures. These models offer unparalleled depth and detail, reducing risks and improving outcomes.

Similarly, holography is revolutionizing education by making abstract concepts tangible. Students can interact with 3D visuals, enhancing engagement and comprehension. Another significant application lies in security and authentication. Holograms are commonly used on currency, official documents, and identification cards. Their complex designs are difficult to replicate, making them an effective deterrent against counterfeiting. As technology advances, holographic security features continue to evolve, offering even greater protection. The future of holography is filled with exciting possibilities. Researchers are exploring its integration with augmented reality and artificial intelligence, paving the way for groundbreaking innovations. Holographic communication, once confined to the realm of science fiction, is now becoming a reality. Imagine virtual meetings where participants appear as lifelike projections, bridging the gap between physical and digital interactions. Holography is a testament to human ingenuity, blending art and science to create something truly extraordinary. Its applications are vast and ever-expanding, promising to reshape industries and redefine how we connect with the world. As technology continues to advance, the line between reality and illusion grows increasingly blurred, opening the door to a future where holograms become an integral part of everyday life.

Aditya Chindarkar (TE_EXTC)

THE EVOLUTION AND IMPACT OF VIRTUAL REALITY TECHNOLOGY

Virtual Reality (VR) technology has undergone remarkable evolution, transforming from a niche concept into a powerful tool that spans across various industries. Initially popularized in gaming and entertainment, VR is now making significant strides in sectors such as education, healthcare, and design. This article explores the history, current uses, and future potential of VR technology. The history of VR can be traced back to the 1960s when the Sensorama, an arcade- style machine, was created to simulate a 3D environment using visuals, sound, and even smells. In 1968, Ivan Sutherland introduced the first head-mounted display (HMD), known as the "Sword of Damocles," which laid the groundwork for modern VR systems. The 1990s saw a rise in interest, fueled by advancements in computer graphics and gaming. However, high costs and technological limitations hindered widespread adoption. It wasn't until the mid-2010s, with the launch of devices like the Oculus Rift, HTC Vive, and PlayStation VR, that VR gained significant traction among both consumers and developers. Today, VR is used in a variety of applications across several industries. In gaming and entertainment, VR allows players to immerse themselves in virtual worlds, offering a level of engagement and interactivity that traditional gaming cannot match. Titles such as "Beat Saber" and "Half-Life: Alyx" have been praised for their innovative use of VR, pushing the boundaries of what's possible in gaming.

In education and training, VR is revolutionizing how students and professionals learn. It provides hands-on, practical experiences in a safe, controlled environment. Medical students can practice surgeries in a virtual operating room, while pilots can undergo realistic flight simulations. This form of experiential learning enhances retention and builds confidence in learners. In healthcare, VR is being used for pain management, therapy, and rehabilitation. Patients can be immersed in calming virtual environments to reduce pain during procedures or treatment. Additionally, VR is helping individuals confront fears through exposure therapy in a controlled, virtual setting.

Mangesh Pangam (BE IT)

IS METAVERSE REALLY THE FUTURE?

The metaverse, a virtual world where people can interact, work, and play, has captured the imagination of many. It promises to revolutionize how we connect and experience the world. However, the metaverse is still in its early stages of development, and its true potential remains to be seen. Some experts believe that the metaverse has the potential to transform various industries, from education and healthcare to entertainment and retail. They envision a future where virtual and augmented reality technologies seamlessly integrate into our daily lives, blurring the lines between the physical and digital worlds. However, others remain skeptical about the metaverse's future. They raise concerns about the potential negative impacts of spending excessive time in virtual environments, such as addiction, social isolation, and mental health issues. Additionally, the metaverse raises ethical concerns about privacy, data security, and the potential for manipulation and misinformation. Ultimately, the future of the metaverse remains uncertain. While it holds immense promise, it also presents significant challenges that need to be addressed before it can become a truly ubiquitous part of our lives.

Devansh Sharma (TE EXTC)

ADVANCES IN BIOMEDICAL ROBOTICS:TRANSFORMING SURGERY,REHABILITATION AND DIAGNOSTICS.

Biomedical robotics is transforming healthcare by integrating robotic systems into various medical fields, enhancing precision, efficiency, and patient outcomes. These robots assist in surgeries,rehabilitation, diagnostics, and even prosthetics. With the increasing use of artificial intelligence (AI), the future of biomedical robotics promises smarter, more autonomous systems capable of performing even more complex tasks.

Robotic Surgery

One of the most groundbreaking uses of biomedical robotics is in surgery. Robotic-assisted surgery has revolutionized procedures that require high precision. Systems like the da Vinci Surgical Robot enable surgeons to perform minimally invasive surgeries with exceptional accuracy. These robotic systems translate the surgeon's hand movements into tiny, precise actions inside thepatient's body, reducing the risks associated with traditional surgery.Robotic surgery is especially beneficial in delicate procedures, such as cardiac or neurological surgeries, where even a minor tremor could lead to complications. The precision of robotic arms leads to smaller incisions, less pain, faster recovery,and a reduced risk of infections for patients.

Rehabilitation Robotics

Rehabilitation robotics is another major area of development. These robots assist patients in regaining mobility after injuries,surgeries, or neurological events like strokes. . The robots are programmed to adjust to each patient's progress, offering personalized therapy.This technology has been especiallybeneficial for patients with spinal cord injuries, helping them walk again by providing mechanical assistance during each step. Theintegration of AI in these robots allows them to adapt to the patient's needs, making therapy more effective and efficient.

Diagnostic Robotics

Biomedical robots also play a key role in diagnostics. Diagnostic robots are used to perform precise tasks such as blood draws, ultrasounds, and tissue analysis. These robots reduce human error and improve the speed and accuracy of tests, freeing healthcare professionals to focus on more complex procedures.

Conclusion:

In conclusion, biomedical robotics is revolutionizing healthcare by enhancing the precision and personalized surgeries, rehabilitation, and diagnostics. As AI and robotics continue to evolve, the potential for further advancements in patient care is immense.

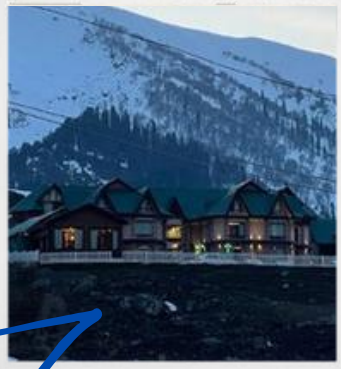
Jay Kshirsagar (SE IT)





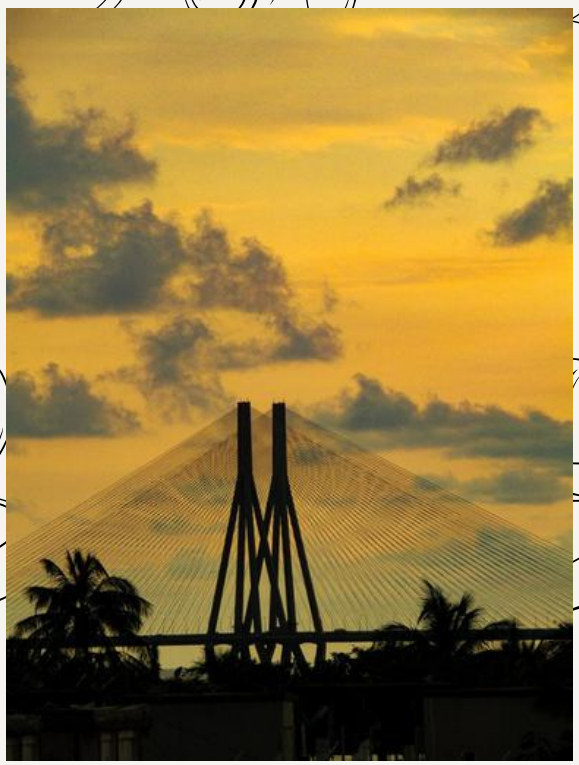




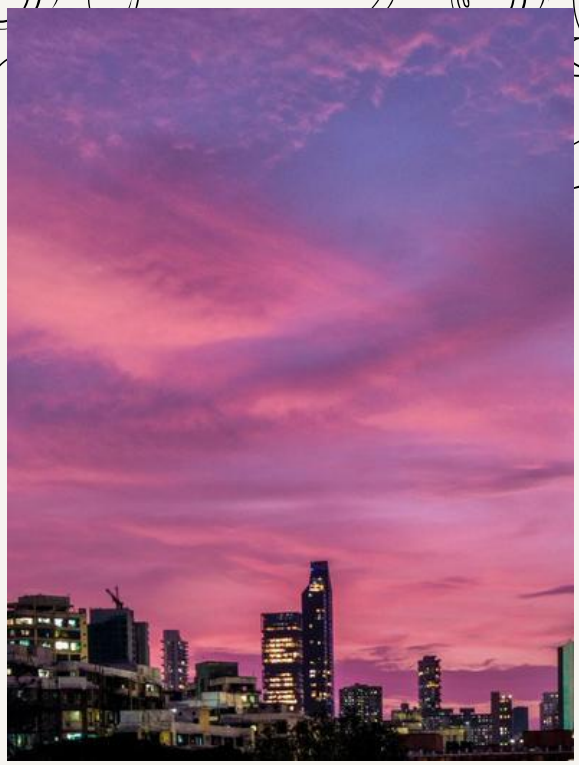





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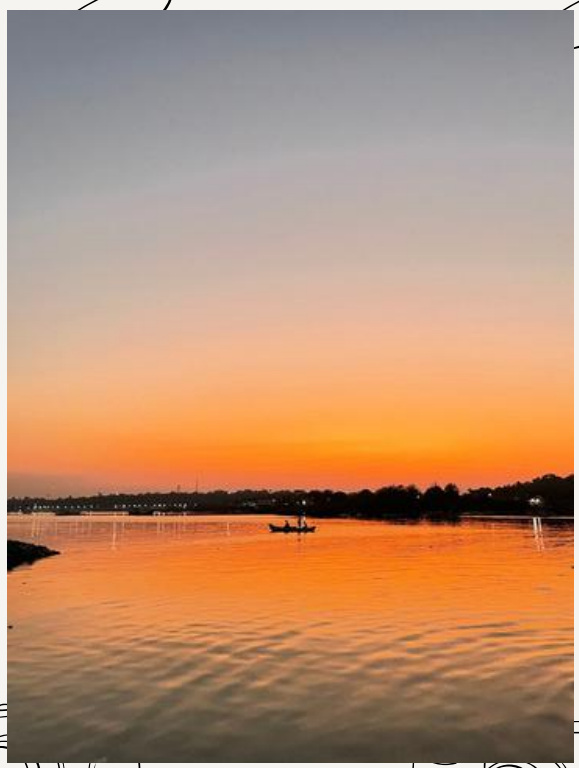
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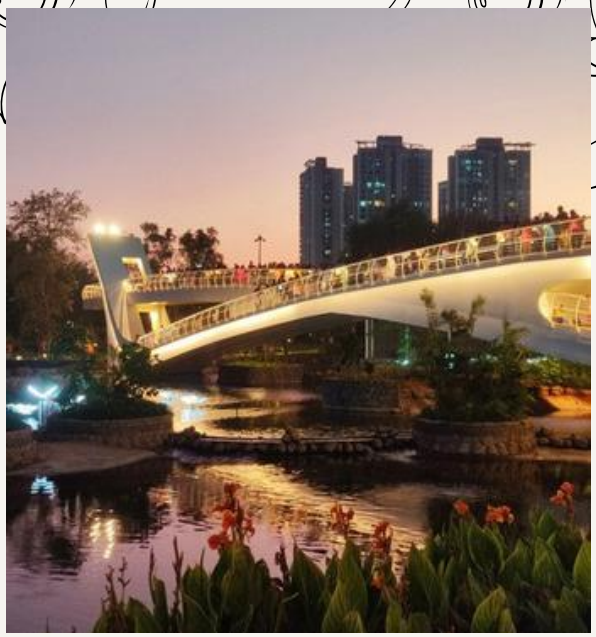
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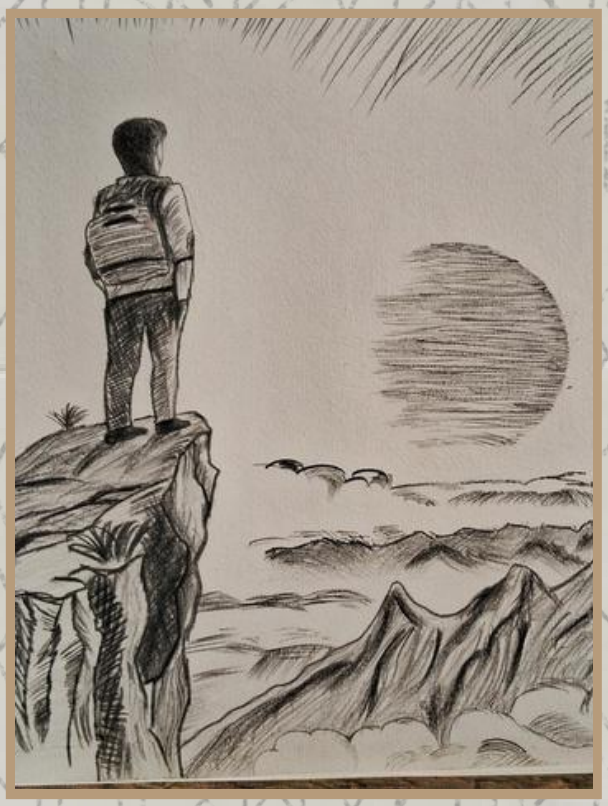
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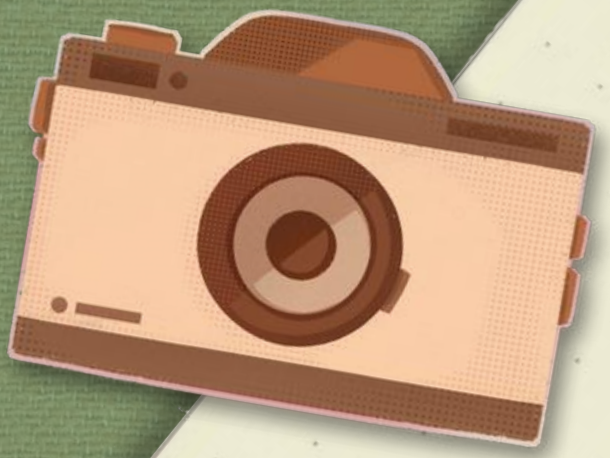
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HELPING HANDS



EDITOR'S GRATITUDE

This year's edition, **"A Timeless Tapestry: Weaving Through Differences,"** is more than a collection of articles; it is an odyssey through the myriad threads that define our shared humanity. Each page invites you to immerse yourself in the vibrant interplay between ideas, cultures and experiences that form the rich fabric of our existence. This tapestry is not merely woven from differences but from the harmonious blend of those differences, creating a masterpiece that celebrates the beauty of unity within diversity.

We are profoundly grateful to Director Dr. John Rose S.J. and Principal Dr. Y. D. Venkatesh, whose unwavering support has been the cornerstone of this journey. Their belief in the power of collective creativity has enabled us to explore uncharted territories of thought and expression. A special note of appreciation goes to our visionary Head Curator, Professor Saniya Gonsalves, whose meticulous attention to detail and creative foresight have shaped the essence of this edition. The wisdom and expertise of Fr. Dr. Lancy Prabhu S.J. have been instrumental in uncovering the hidden layers of meaning within each piece, enriching our editorial journey with depth and insight.

The lifeblood of this edition lies in the extraordinary efforts of our dedicated committee. The graphics team deserves an applause for their breathtaking artistry, which has transformed the magazine into a visual feast. The Reports team's tireless dedication ensured that every milestone and triumph within our community is immortalized within these pages. To the Publicity team, your unwavering commitment to sharing our journey has brought us closer to our readers, turning this edition into a shared celebration.

Our editorial teams, spanning English, Technical, and Regional sections, have been the guardians of authenticity and brilliance, crafting each article with precision and care. Your passion for storytelling and commitment to excellence have elevated this magazine to new heights. To our faculty and student contributors, thank you for infusing your unique voices into a single narrative, enriching it with your diverse perspectives.

As Editor-in-Chief, this experience has been a journey of boundless discovery, growth and creativity. It has been an honour to lead this remarkable team and I am deeply grateful for the trust and encouragement you have shown me. As you explore the pages of **ConneXIEon 2025**, may you find inspiration, reflection and a renewed appreciation for the intricate tapestry of life that we all help weave.

Warm regards,
Nanditha Ramesh
Editor-in-Chief



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