Xavier
Institute
of
Engineering

jesuit

A SISTER INSTITUTE OF ST XAVIER'S COLLEGE, MUMBAI

XAVIER INSTITUTE OF ENGINEERING
BY THE DEPARTMENT OF
COMPUTER ENGINEERING

BITS 'N' BYTES
2023-2024

BITS 'N' BYTES

VISION

To nurture the joy of excellence in the world of Computer Engineering.

MISSION

- To provide students the knowledge of computer engineering with related technical skills to solve various computer engineering problems and to have industry interaction.

- To motivate the students to acquire additional soft skills to sharpen their technical and professional skills that make them employable.

- To nurture social and professional ethics in our undergraduates and encourage them to have lifelong learning.

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

Graduates will have the required knowledge of computer engineering, to design and develop systems that can cater to a multi-disciplinary environment.

Graduates will be able to apply the art of self-learning to use the modern tools in solving computer engineering problems.

Graduates will be prepared in the field of computer engineering to have lifelong-learning in the global and ethic context.

Graduates will be able to inculcate professional and ethical attitude with good leadership qualities and have commitment to social responsibilities in their thought process.

PROGRAM SPECIFIC OBJECTIVES (PSO'S)

The ability to understand, analyze and apply knowledge to address computing problems.

The ability to design and implement software solutions to meet the end users requirements.

PROGRAM OUTCOMES (PO'S)

Engineering knowledge: To apply the knowledge of maths and engineering fundamentals along with Computer science and physical sciences for the solution of complex engineering problems.

Problem analysis: To identify, formulate, and analyze complex engineering problems to provide suitable solutions by applying knowledge acquired in computer engineering.

Design/development of solutions: To design cost effective software or hardware solutions to meets needs of customers.

Conduct investigations of complex problems: To use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions in the field of computer engineering.

Modern tool usage: To create, select, and apply appropriate techniques, resources, and modern computer science and engineering tools, including prediction and modelling to complex engineering activities, with an understanding of the limitations.

The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and sustainability: To understand the impact of the professional engineering solutions to preserve the environment and the concern of sustainability.

Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
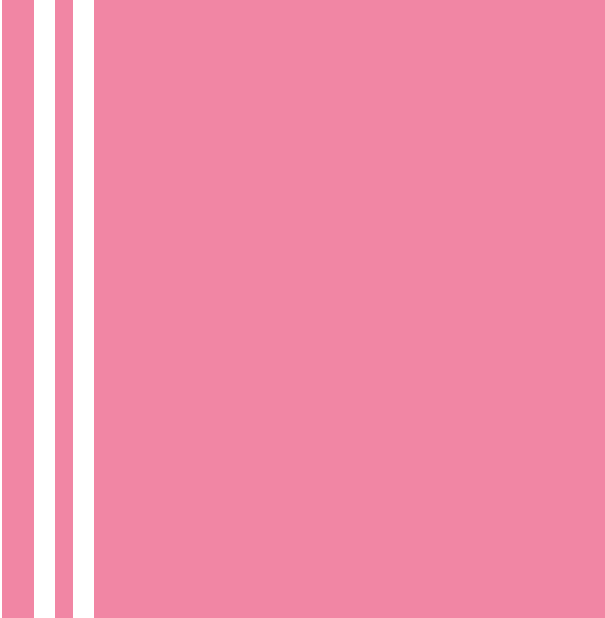
Communication: Communicate effectively on complex engineering activities with the engineering community and with t h e society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Life-long learning: Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

ABOUT THE DEPARTMENT

The Department of Computer Engineering was established in the year 2005 and it offers B.E in Computer Engineering which is affiliated with the University of Mumbai. The course is taught by highly qualified and experienced faculty with specialization in Data Mining, Image Processing, Software Engineering, Natural language processing, Web Technology, Cloud computing, Network Technology and Distributed Computing are working in the department. The students are given exposure to the latest trends in technology including Human Machine Interaction, Machine Learning, Big Data Analytics, Image Processing, Cloud Computing, Soft Computing, etc. through lectures, workshops and seminars. The department offers many value-added educational programs and Certification programs to the students including SAP, Microsoft Certification, etc. It also has well-equipped computer laboratories with state-of-the-art facilities to provide opportunities for innovations. It offers close interaction with various leading industries and educational institutions. Many of our students got placed in Quantiphi, Tech Mahindra, Infosys, Accenture, Xoriant, Capgemini, L&T, Tagd, Neosoft, Reliance Jio, Wipro, etc.

CECILIA DINESH

EDITOR & GRAPHIC DESIGNER

SHREY KANOJIA

EDITOR

DIRECTOR'S MESSAGE

Xavier Institute of Engineering is committed and dedicated to achieving supremacy in technical education and assesses the success and leadership of its programs using the highest standards of quality, innovation, and visibility. Our objectives of imparting professional education, combined with fostering innovative thinking, application of knowledge, inculcating professional ethics, and consciousness to social reliability, are being met at XIE in an integrated form.

We wish to encourage and promote various activities to integrate with the teaching learning process. We believe in lifelong teaching and learning leading to the benefits of society.

Our vision is influencing society through globally competent technologists with the primary objective to provide a quality education through long term value creation offered by the Jesuit group.

FR. DR. JOHN ROSE S.J. DIRECTOR

We are also dedicated to ensuring quality and our programs are NAAC accredited apart from curriculum- based studies, the emphasis is made on the promotion of innovative- driven projects, interaction with industries, soft skill & personality development, co- curricular and extra- curricular activities. I would like to express my heartfelt congratulations to the computer department and the entire team for rendering this year's computer department newsletter. I also request every student to take part in every opportunity that the college provides to soar great heights.

PRINCIPAL'S MESSAGE

My heartiest congratulations to the Department of Computer Engineering and their team on putting up with this year's rendition of the departmental newsletter. XIE stands for excellence, perfection, and discipline and as a Jesuit institution the major focus and concern are on the development of our student's all-round performance.

A vision without an action is just a dream, and an action without vision is a waste of time, but vision with action changes everyone's life. The department of Computer Engineering has a vision to develop a knowledge based society with clarity in thought and move towards an edge of excellence with the endowment of teaching and learning process.The focus is on imparting holistic

DR. Y.D. VENKATESH

education, with a view to develop a community of scholars who acquire talent and expertise that will culminate into engineering excellence.

The department of 'Computer Engineering' provides ample opportunity and scope for everyone to participate in every cocurricular and extracurricular activities of XIE, wherein the students can showcase their talents. Finally, I wish for all my students to come forward, learn, serve and excel in this world with great strength, not only in the field of your professional work but also help, cherish and remain beautiful and fruitful human beings in the society and the world.

HOD'S MESSAGE

Dear Xavierites,

Greetings from the Computer Department. It gives me immense
pleasure to lead the Department of
Computer Engineering at XIE. Being a Jesuit institution, the primary focus of the department is to empower our students with overall development.

I take the privilege of expressing joy in launching the fourth edition of our departmental newsletter – Bits'n'Bytes , the best medium to share departmental progress. Bits'n'Bytes showcases the journey of the department through glimpses of events and activities organized, alongside the various achievements and accomplishments of the

DR. KUNAL MEHER

students and faculties. With the support of our dedicated faculty members who have always nurtured the students with multidimensional skill-sets through innovative pedagogy and industry academic interaction, our department will continue its focus on making proficient engineers who are also socially conscious and responsible citizens.

On behalf of the department, I thank each member of the XIE family for all the inspiration and support in every endeavor. I am also thankful to Ms.Beatrice S and the editors for their efforts in the timely publication of this newsletter.

FACULTY EDITOR'S MESSAGE

On behalf of the Editorial Board, it is with great pride and sincere privilege that I am penning this message to present the " Bits and Bytes", the technical magazine published creatively by the department of Computer Engineering of XIE. I whole heartedly thank our Management for their cordial support, our HoD for his prompt guidance and our God for all the splendid efforts.

Launching this new newsletter would never been made realistic without the noteworthy efforts and much appreciated contributions rendered by the budding engineers of the department.

This newsletter solely aims to provide a wonderful common platform to share information about the department also the latest developments in the department .

S. BEATRICE

The newsletter also intends to serve as an effective medium for showcasing and acknowledging the skill value of our people and the notable researches carried out by our personalities.

In the pursuit to delve deeper into the technical world, we have assembled each shedding light on different achievements of our students.

Happy reading!! I hope that you find this newsletter to be both informative and engaging.

TOPPERS LIST (odd semester)

FOURTH YEAR

Position	Name	CGPA
1	Gupta Yashika Kamlesh Sujata	9.86
2	Agarwal Vansh Aanchal	9.73
3	Caldeira Conrad Lynn Lawrence Cynthia	9.59

THIRD YEAR

Position	Name	CGPA
1	Patel Aditya Akhilesh Ritu	9.87
2	Malvankar Shreya Sunil Shilpa	9.61
	Mishra Nilesh Awdheshkumar Kanchan	
3	Kolhatkar Antara Shailesh Shamal	9.57

SECOND YEAR

Position	Name	CGPA
1	Hadawale Riddhi Ramdas	10.00
2	Cecilia Dinesh	9.87
3	Fodkar Anas Ayaz Ali	9.48

SUBJECT TOPPERS (odd semester)

FOURTH YEAR

Subject	Name	Marks (Out of 100)
Machine Learning	Agarwal Vansh	85
Big Data & Analytics	Goswami Shivam	89
Natural Language Processing	Agarwal Vanch	82
Block Chain	Caldeira Conrad	83
Management Information System	Agarwal Vanch	89
Cyber Security & Law	Shaikh Tahseen	84
Disaster Management & Mitigation Measures	Caldeira Conrad	80
Augmented and Virtual Reality	Narvekar Amisha	78

THIRD YEAR

Subject	Name	Marks (Out of 100)
Theroretical Computer Science	Patel Aditya Akhilesh Ritu	93
Software Engineering	Kolhatkar Antara Shailesh Shamal	81
Computer Network	Patel Aditya Akhilesh Ritu	90
Datawarehousing and Mining	Kolhatkar Antara Shailesh Shamal	93
Internet Programming	Patel Aditya Akhilesh Ritu	85

SECOND YEAR

Subject	Name	Marks (Out of 100)
Engineering Mathematics - III	Hadawale Riddhi Ramdas	99
Discrete Structures & Graph Theory	Cecilia Dinesh	91
	Fodkar Anas Ayaz Ali	
Data Structure	Cecilia Dinesh	85
	Hadawale Riddhi Ramdas	
Digital Logic & Computer Organization and Architecture	Cecilia Dinesh	80
	Hadawale Riddhi Ramdas	
Computer Graphics	Cecilia Dinesh	87

STUDENT ACHIEVEMENTS
(EXTRA & CO-CURRICULUM)

FOURTH YEAR

Name	Event Name	Organization Conducting Event	Prize
Conrad Caldeira	Connexieon' 24 : Article in English Section.	Xavier Institute of Engineering	1st

THIRD YEAR

Name	Event Name	Organization Conducting Event	Prize
Anthony Chirayati Sharan Shetty	Pixel Plotter(Scratch)	Mithibai College of Arts	1st
Benin Arockiara	Chess (Zebtech)	Nagindas Khandwala College	1st
	Chess (Birlotsav)	B. K. Birla College	1st
	Chess	Sheth L.U. J. College	3rd
	Chess	V.K. Krishna Menon College	1st
	Conquest of Chess	Ramniranjan Jhunjhunwala	1st
	Chess	Sree Narayana Guru College of Commerce	1st
Atharva Gaikwad	BlinkBuzz Code Clash	Xavier Institute of Engineering	Runner-up
Atharva Gaikwad Siddharth Bandal	Treasure Quest Competition	Xavier Institute of Engineering	2nd

STUDENT ACHIEVEMENTS
(EXTRA & CO-CURRICULUM)

Name	Event Name	Organization Conducting Event	Prize
Atharva Gaikwad	Project Wars	K.K. Wagh Institute of Engineering & Research	2nd
Antara Kolhatkar	Data Analytics	IBM	3rd
Vaishnavi Joshi Atharva Gaikwad	Odd Semester Best Outstanding Project	Xavier Institute of Engineering	1st
Aditya Patel	Odd Semester Best Outstanding Student	Xavier Institute of Engineering	1st

SECOND YEAR

Name	Event Name	Organization Conducting Event	Prize
Tambe Siddhesh Baban	BOX CRICKET	RUIA	1st
Tambe Siddhesh baban	BOX CRICKET	KJ SOMAIYA INSTITUTE OF TECHNOLOGY,SION	2nd

WDC WINNERS

Joan & Frank Trocki Women of Research Award	Merisa Mascarenhas (BE COMPS)
Joan & Frank Trocki Women of Intelligence Award	Yashika Gupta (BE COMPS)
Joan & Frank Trocki Best Women Hand Drawing	Sahaya Suwinsa (SE COMPS)

SPANDAN WINNERS

FOURTH YEAR

Sr. No	Event Name	Name	Place
1	Poetry	Siddhesh Navghare	1st
2	Tie Dye	Yulette Alvares	1st
3	Scavenger Hunt	Yashika Gupta	1st

THIRD YEAR

Sr. No	Event Name	Name	Place
1	Collaborative Murals	Shantanu Shinde	2nd
2	Monochromatic Masterpiece	Shantanu Shinde	2nd
3	Debate	Atharva Ghodke	2nd
4	Genre Mashup	Pooja Raut	2nd

SECOND YEAR

Sr. No	Event Name	Name	Place
1	Collaborative Murals	Suwinsa Sahaya Siddhesh Tambe Aditya Naik	1st
2	Genre Mashup	Cecilia Dinesh	2nd

SPARX WINNERS

FOURTH YEAR

Sr. No	Event Name	Name	Place
1	Open Football (boys)	BE COMPS	3rd

THIRD YEAR

Sr. No	Event Name	Name	Place
1	Open Football (boys)	TE COMPS	2nd
2	Table Tennis (boys singles)	Atharva Ghodke	1st
3	Table Tennis (boys singles)	Chirag Jawle	2nd
4	Table Tennis (boys singles)	Sam Saji	3rd
5	Table Tennis (boys Doubles)	Atharva Ghodke & Aryan Gonsalves	1st
6	Table Tennis (boys Doubles)	Chirag Jawle & Sam Saji	2nd
7	Basketball (boys)	TE COMPS	2nd

SPARX WINNERS

SECOND YEAR

Sr. No	Event Name	Name	Place
1	Box Cricket (boys)	SE COMPS	1st
2	Badminton(boys)	Amey Shelar	1st
3	Carrom (boys doubles)	Vedang Rana & Satyam	2nd
4	Kabaddi (boys)	SE COMPS	1st
5	Dodgeball (girls)	SE COMPS	2nd
6	Tug of War (girls)	SE COMPS	3rd
7	Kabaddi (girls)	SE COMPS	2nd

TRANSMISSION WINNER

FOURTH YEAR

Sr. No	Event Name	Name	Place
1	Valorant	Chris George Asutosh Basak	1st

THIRD YEAR

Sr. No	Event Name	Name	Place
2	Treasure of the Arabian Sea	Siddharth Bandal	1st
3	Treasure of the Arabian Sea	Atharva Gaikwad	2nd
4	Coders ka Tyohaar	Siddharth Bandal Vaishnavi Joshi Atharva Gaikwad	2nd

SECOND YEAR

Sr. No	Event Name	Name	Place
1	Humshakals	Saish Rane Anas Fodkar Ethan Ferrao	1st

MESSAGE FROM CULTURAL SECRETARY

Firstly as the appointed cultural secretary of the student council for the year 2023-24,I would like to thank the management for the trust they have shown in me and in the whole of the council. A year full of surprises, teaching but most importantly learning from the mistakes and the shortcomings.

A quote that drives me forward in life is "U cant stop the waves but u can adjust the sails" as to no matter how hard the situation gets it how you react and overcome that situation is what drives you forward as a person.

This past year has gifted me and MY TEAM the opportunity to work together, enhancing my leadership qualities and to work with enthusiasm.

ARYAN GONSALVES

Along with the team we managed to organise events which lead to cultural development for then students and everyone who participated,this role despite of me having an experience in the cultural filed brought in new challenges and gave me a different experiences. This role taught me on how secretaries from different sections can work together and carry the task really well as a team. Working on ground with the team gave me an meaningful insight on creativity, balance and team-management, serving as the cultural secretary was truly a wonderful experience i would always look upto.

MESSAGE FROM ASST.CULTURAL SECRETARY

As the Assistant Cultural Secretary, I am immensely proud of the remarkable success of Spandan, our flagship cultural extravaganza. This event stands as a testament to our institution's commitment to fostering diversity, creativity, and community spirit.

Spandan transcends mere entertainment; it serves as a vibrant showcase of our students' diverse talents and cultural heritage. Through captivating performances, thought-provoking exhibitions, and engaging workshops, Spandan sparks dialogue, ignites creativity, and cultivates a profound sense of belonging among our student body.

CECILIA DINESH

I am deeply grateful to the dedicated efforts of our organizing team, cultural coordinators, volunteers, and participants, whose passion and enthusiasm have been instrumental in making Spandan a resounding success year after year.

As we bask in the glow of Spandan's triumph, let us reaffirm our commitment to celebrating diversity, fostering inclusivity, and nurturing artistic expression within our institution. May Spandan continue to inspire, unite, and uplift our community for many more years to come!

MESSAGE FROM JOINT SPORTS SECRETARY

As the Joint Sports Secretary of Xavier's Institute of Engineering, I am thrilled to announce SPARX 2024, our annual sports fest. Our college has a strong tradition of promoting sportsmanship and physical fitness, with excellent facilities including a massive turf, a basketball court, and indoor games. SPARX 2024 embodies teamwork and determination, bringing us together after exams to compete and enjoy.

I extend my heartfelt gratitude to the staff and students, and especially to my dedicated sports admins, who have worked tirelessly to make SPARX 2024 a resounding success.

Our college encourages every student, regardless of their prior experience in sports, to participate in the various events and competitions.

ATHARVA GAIKWAD

We firmly believe that everyone has the potential to excel in sports when given the right guidance and support. SPARX 2024 is an opportunity for all of us to discover and nurture our athletic talents, to challenge ourselves, and to strive for excellence.

Let us all come together and make the most of the sports facilities and opportunities provided by our college. Let us push ourselves to be the best versions of ourselves, both in academics and in sports. Here's to a fantastic SPARX 2024 filled with energy, enthusiasm, and outstanding performances.

MESSAGE FROM JOINT ASST.SPORTS SECRETARY

Being the Joint Assistant Sports Secretary at SPARX College meant being at the heart of one of the most anticipated events of the year: the SPARKS Sports Fest 2024. As I stepped onto the campus grounds, the energy was palpable, a fusion of excitement and nerves as athletes prepared to showcase their skills.

My role involved coordinating various aspects of the event, from scheduling matches to ensuring facilities were in top condition. One particular experience stands out amidst the flurry of activities.

Reflecting on that experience, I realized the true spirit of SPARKS transcended mere competition.

JECICA ALHAT

It was about fostering a sense of community, unity, and sportsmanship among students.

Despite the challenges and long hours leading up to the event, witnessing the joy and camaraderie among participants made it all worthwhile.

As the Joint Assistant Sports Secretary, I felt privileged to play a part in creating memories that would last a lifetime for our college community. SPARKS 2024 was not just a sports fest; it was a celebration of teamwork, passion, and the indomitable spirit of youth.

MESSAGE FROM TEDX ORGANIZER

A role that helped me grow in ways I didn't anticipate, organizing a TEDx event taught me important life lessons. It's things like this that make you realize that the world outside our textbooks is a much different place, one that requires skills that our syllabus fails to provide. The work that went into organizing it was truly a daunting task. Every team that worked towards the success of the event, and every member of those teams contributed in a way.

I was someone with an internal itch to work on challenges - the bigger the challenge, the bigger my drive. The day I was informed that I was selected as the Organizer for TEDxXIE 2024, I was overjoyed, and I had a million thoughts and ideas running through my mind, thinking about how I wanted to execute them. Over the course of the year, my team and I worked tirelessly, to facilitate this event. Every little

RICKSON CASTELINO

success and failure taught us invaluable lessons. I learnt how to lead a team, facilitate the cross-functioning of different teams, manage finances, schedule and manage time. I also learnt how to strike a balance between academics, extra-curricular activities, my life outside of college, and a whole lot more. Organizing this event was an experience that will forever be etched in my mind and heart. I believe everyone should avail the opportunities that come their way, no matter what they believe their capability is. To not even try, is a crime. To try and fail is commendable, to try and succeed, is even better. Never hold yourself back, believe in yourself and keep striving for more!

MESSAGE FROM CONNEXIEON'S EDITOR IN CHIEF

I am beyond grateful and honored to have been given the opportunity to serve as the Editor-in-Chief of ConneXIEon 2023-24. Having been a part of ConneXIEon for the past two years, first as a graphic designer and now as the Editor-in-Chief, fills me with immense happiness. This journey has been both a privilege and a learning experience, allowing me to develop invaluable skills such as leadership, teamwork, and creative problem-solving.

This year's theme, "The Big Question: Reviving the Spirits of Antiquity," posed a significant and thought-provoking challenge. Each page of our magazine is crafted to answer a question, to explore a thought, and to provoke deeper reflection. The creation of this magazine has been a collaborative effort, t and inspired.reflecting the hard work and dedication of my entire team. It has been a truly great experience to work with such a talented and passionate team.

SHREYA MALVANKAR

Leading this team has been one of the most enriching experiences. As a leader, I learned the importance of clear communication, effective delegation, and fostering an environment where creativity could flourish. .

I am very glad to have been part of this wonderful committee. This experience has greatly shaped me, improving my leadership skills and deepening my appreciation for teamwork. I've learned the importance of clear communication and the impact of collective effort. It has been a transformative journey, leaving me more confiden

MESSAGE FROM NSS LEADER

I am reaching out to express my heartfelt thanks for the incredible opportunities I've had to lead as the NSS leader. Being part of the NSS team has been an incredible experienced, and I am deeply proud of everything we've achieved together.

Leading the NSS team has been an incredible experience of growth. Working alongside dedicated volunteers, I've acquired essential leadership abilities, developed a deep appreciation for teamwork, and understood the significance of giving back to the community through volunteering. At times, the work can be challenging, but I'm grateful for the support from my teachers and teammates who have always stood by me. The unwavering dedication of the NSS

POOJA RAUT

volunteers has been highly inspiring, as we've had a significant impact on numerous lives through our projects.

Serving the community through NSS has been incredibly fulfilling, and I'm thankful for the opportunity to contribute. I want to extend my sincere thanks to the NSS team for giving me the opportunity to lead. The NSS programme lasted two amazing years. The experiences, knowledge, and treasured memories will always be precious to me. Thank you for this priceless experience.

NSS VOLUNTEERS

NAME	YEAR
RAUT POOJA YOGESH	TE
VISHWAKARMA SONI	TE
PON ADITYAN JEYAMURUGAN	TE
BANDAL SIDDHARTH	TE
DSOUZA ALEX	TE
GAIKWAD ATHARVA	TE
SHARON AMALA	TE
JOSHI VAISHNAVI	TE
MALVANKAR SHREYA	TE
MASCARENHAS MERVIS	TE
PARMAR MANTHAN BHARAT	TE
PRAJAPATI ASHIV BHARAT	TE
PEREIRA ANSWEETA VILAS	TE
SHINDE SHANTANU SIDDHARTH	TE
THARAKAN MELVIN VARGHEES	TE
RAYAN CHRIS JOHN	TE
CECILIA DINESH	SE
BANKA ANCHAL YOGESH	SE

DENIZ ZENOBIA RONALD	SE
BURKAL ENOSH YESUDAS	SE
DESAI ARNAN MAHESH	SE
YADAV SATYAM GOPALA SUNITA	SE
DEVASSY ALVIN SHIBY	SE
GADE YASH SAMPAT	SE
HADAWALE RIDDHI RAMDAS	SE
HARYAN HET AL RAMDAS	SE
MALLURI MARTIN DAVID	SE
MASCARENHAS SELBY	SE
NADAR JEBASTIAN DEVADAS	SE
PEREIRA KRISH RAJESH	SE
PRAJAPATI AMAN JITENDRA	SE
RANE VEDANG SANJAY	SE
RODRIGUES ARISTOTLE ROSS	SE
SAHAYA SUWINSA JOHN BOSCO	SE
SAYED SAHIM JAMAL	SE
SHELAR AMEY MANOJ	SE
SHETTY KRISH CHANDRAKANT	SE
TAMBE SIDDHESH BABAN	SE
UTTEKAR RISHIKESH SANTOSH	SE

INDUSTRIAL VISITS

THIRD YEAR

Date: 5th Aug, 2023

Place: Industrial Visit to Cyber Security and Digital Forensics labs at Aiip|tech Pvt. Ltd., Vashi, Navi Mumbai

SECOND YEAR

Date: 7th February, 2024

Place: Jio-Reliance Corporate Park, Navi Mumbai

PLACEMENTS

Sr. No.	Name	Company	Package Offered (in LPA)
1	Amit Chavan	cimpress	**12**
2	Aman Bankoti	Godrej | INFOTECH	4
3	Siya Deshpande		
4	Rohit Prasad		
5	Stepheny Lucas	newfold digital	3.24
6	Allen Lopes		
7	Sara Deshpande		
8	Amisha Narvekar		
9	Aman Bankoti	ZYCUS COGNITIVE PROCUREMENT	6
10	Merisa Mascarenhas		4.5
11	Tahseen Shaikh		
12	Yashika Gupta	intellect live your dream	5
13	Vedant Warke		
14	Jebastin Nadar	Hexaware TECHNOLOGIES	4

PLACEMENTS

Sr. No.	Name	Company	Package Offered (in LPA)
15	Yash Mane	IntelliPaat	7.25
16	Siddhesh Navghare		
17	Sharon Sebastian		
18	Glenn Peter Pereira		
19	Moses Fernandes		
20	Mitali Desai		
21	Stepheny Lucas		
22	Rohit Prasad		
23	Chinmaay Sharma		
24	Merisa Mascarenhas		
25	Shivam Goswami	Sciative (we price right)	6
26	Amit Chavan		
27	Moses Fernandes	arcon	5
28	Chinmaay Sharma		

PLACEMENTS

Sr. No.	Name	Company	Package Offered (in LPA)
29	Siya Deshpande	L&T Finance	6
30	Yash Mahajan		
31	Tahseen Shaikh		
32	Yulette Alvares	ZEUS LEARNING ...boundless thinking	6.85
33	Amisha Khot		6
34	Sharon Sebastian	DeltaX	4.25
35	Yashika Gupta	media.net	8.13
36	Mohammad Saaim Qureshi	QSpiders	4
37	Tanmay Keny		
38	Anirudha Sawant		
39	Shaun Mascarenhas	SAFRAN Digit	4.5
40	Leanne Dharmai		
41	Jebastin Nadar	RSM	4

PLACEMENTS

Sr. No.	Name	Company	Package Offered (in LPA)
42	Siya Deshpande	IndusInd Bank	5
43	Vedant Warke		
44	Sara Deshpande	VISTAAR	4
45	Mitali Desai	Crimson Interactive	4
46	Gauri Jadhav		
47	Conrad Caldeira	MONTRAN World Leader in Payment and Cash Management Solutions	6
48	Sharon Sebastian	quantiphi	8.5
49	Moses Fernandes		
50	Siddhesh Navghare	USDC	4

INTERNSHIPS

	Name	Year & Semester	Department/Designation	Organization	Duration	Date
1	Adit Deshmukh	BE, Sem VII	Intern	LTIMINDTREE Ltd	2 Months	1 st June – 31st July 2023
2	Vedant Warke	BE, Sem VII	Data Analyst Intern	Mentored Minds	2 Months	5th June - 5th Aug 2023
3	Glenn Pereira	BE, Sem VII	Intern Software Engineer	TechStalwarts Software Development LLP	3 Months	4th Aug – 4th Nov 2023
4	Anurag Patil	TE, Sem VI	Intern	Nirlon Management Services Pvt. Ltd.	1 Month	13 Dec 2023 - 12th Jan 2024
5	Stepheny Lucas	BE, Sem VIII	Intern as Generative AI		15 days	20th Feb - 5th March 2024
6			Intern as Data Science			
7	Akash Patil	TE, Sem V	Intern as Data Analytics	CSRBOX	1 Month	19th June - 28th July 2023
8	Antara Kolhatkar					
9	Shreya Malvankar					
10	Aditya Patel					
11	Hardik Tiwari	TE, Sem V	Web Development	CODSOFT	1 Month	15th Sept - 15th Oct 2023

INTERNSHIPS

	Name	Year & Semester	Department/ Designation	Organization	Duration	Date
12	Eshita Lopes	SE, Sem III	Intern	InternPe	1 Month	04th - 31st Dec 2023
13	Rhea Fernandez	BE, Sem VIII	Intern as Data Analytics	CSRBOX	1 Month	19th June - 28th July 2023
14	Devang Parab					
15	Vedant Warke					
16	Mitali Desai					
17	Gauri Jadhav					
18	Yash Mahajan					
19	Amisha Khot					
20	Sincee Harriet					
21	Bobby Joseph		Web Development	PHN Technology Pvt. Ltd.	2 Months	6th April - 6th June 2023
22						
23	Benin Arockiaraj	TE, Sem V	Intern	SevenHills Hospitals	1 Month	9th Dec 2023 - 9th Jan 2024

INTERNSHIPS

	Name	Year & Semester	Department/ Designation	Organization	Duration	Date
24	Siddharth Bandal	TE, Sem VI	Web Development	Shree Kailash Food Industries	1 Month	01st - 30th June 2023
25	Atharva Gaikwad					
26	Moses Fernandes	BE, Sem VII	Intern	St. Xavier Gait Lab	2 Months	8th Jan - 29th Feb 2024
27	Adit Deshmukh					
28	Aryan Gonsalves	TE, Sem V	Web Development	Prodigy Infotech	1 Month	1st Aug - 31st Aug 2023
29	Stepheny Lucas	BE, Sem VII	Intern	CMP Infotech	1 Month	5th Dec 2021 - 5th Jan 2022
30	Shivam Goswami					
31	Bobby Joseph					
32	Nesan Selvan	BE, Sem VIII	Intern as Flutter Development	Fizday Tech Pvt. Ltd.	2 Months	2nd April - 2nd May 2024
33	Ishan Salukhe	SE, Sem III	Intern as Data Science	The Sparks Foundation	1 Month	2nd Sept - 2nd Oct 2023
34	Anujeet Kunturkar	TE, Sem VI	Intern as Web Development	B Fast Express Service Pvt. Ltd.	3 Months	9th Feb - 9th May 2024

INTERNSHIPS

	Name	Year & Semester	Department/ Designation	Organization	Duration	Date
35	Mervis Mascaren has	TE, Sem VI	Web Development	Data Mingle Pvt. Ltd.	1 Month	10th Mar - 10th April 2024
36	Maheshwaran Nadar					
37	Anujeet Kunturkar					
38	Allen Lopes	BE, Sem VIII	Wix Website Developer	Malsar	2 Months 6 days	1st Feb - 7th April 2023
39	Jason Dias	BE, Sem VIII	Intern as Data Analytics	STAR VACAYS	1 Month	3rd Feb - 2nd Mar 2024
40	Rohit Prasad	SE, Sem III	Amazon ML Summer School	Amazon	8 days	Sept 16, 17, 23, 24, 30, Oct 1, 7 and 8
41	Shivam Goswami	BE, Sem VIII	Content Creator	Bluesio	1 Month	1st -30th April 2023
42	Nilesh Mishra	TE, Sem VI	Intern	DataMingle Analytics Pvt Ltd	1 Month	10th March – 10th April 2024

FDP/STTP/WORKSHOPS ATTENDED BY FACULTY MEMBERS

Faculty Name	Conference Name	Date of Event
Dr. Kunal Meher	First International Conference on Large Language Models and Use cases (ICLMU'23)	9th Dec, 2023
	3rd International Conference on Advanced Computing Technologies and Applications-2023(ICACTA)	6th & 7th Oct, 2023
Dr. Vaishali Gaikwad	3rd International Conference on Advanced Computing Technologies and Applications-2023(ICACTA) organised by D. J. Sanghvi College of Engineering, Mumbai	6th & 7th Oct, 2023
	1st IEEE International Conference on Integration of computational Intelligent System 2023, Track 3-Communication, Networking, Signal & Image Processing organized by School Of Engineering, Ajeenkya D Y Patil University, Pune	Nov 01-04, 2023
	16th International Conference on the Developments in eSystems Engineering (DeSE2023) organizing by eSystem Engineering Society, Istanbul, Turkey	-
	6th International Conference On ADVANCES IN SCIENCE & TECHNOLOGY (ICAST-2023) organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai,	December 08-09, 2023
	7th International Conference on Computing, Communication, Control and Automation, track Image Processing and Computer Vision 2023 organized by Pimpri Chinchwad College of Engineering, Pune	18th and 19th August 2023

FDP/STTP/WORKSHOPS ATTENDED BY FACULTY MEMBERS

Faculty Name	Conference Name	Date of Event
Ms.Teena Varma	1st International Conference on Deep Learning, IoT, Drone Technology, Smart Cities & Application (ICDIDSA-23) by the Department of Electronics and Telecommunication Engineering, Sandip Institute of Technology and Research Centre,Nashik, Maharashtra, India.	29-30 November 2023
	6th International Conference on Advances in Science and Technology (6th ICAST-2023) organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai,	-
	3rd International Conference on Advanced Computing Technologies and Applications-2023(ICACTA) by D. J. Sanghvi College of Engineering, Mumbai	6th & 7th Oct, 2023
Mr. Vijay Jumb	3rd International Conference on Advanced Computing Technologies and Applications-2023(ICACTA) organised by D. J. Sanghvi College of Engineering, Mumbai	December 08-09, 2023
	6th International Conference On ADVANCES IN SCIENCE & TECHNOLOGY (ICAST-2023) organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai,	October 18-20, 2023
Dr.Sushama Khanvilkar	6th International Conference on Advances in Science and Technology (6th ICAST-2023) organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai,	29-30 November 2023

FDP/STTP/WORKSHOPS ATTENDED BY FACULTY MEMBERS

Faculty Name	Conference Name	Date of Event
Dr.Sushama Khanvilkar	International Conference on Computational Intelligence and Network Systems (CINS 2023) on organized by Birla Institute of Technology and Science (BITS)Pilani, Dubai Campus, Dubai UAE.	October 18-20, 2023
S.Beatrice	1st International Conference on Deep Learning, IoT, Drone Technology, Smart Cities & Application (ICDIDSA-23) by the Department of Electronics and Telecommunication Engineering, Sandip Institute of Technology and Research Centre,Nashik, Maharashtra, India.	29-30 November 2023
	IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2024)	March 14-16, 2024
	INDICON-2023, NIT Warangal	14-17th December 2023

Faculty Name	Course Name	Date of Event
Kavita Jain	AI for Medical Diagnosis	28/10/23-28/11/23
	Explainable AI (XAI) with Python	25/10/2023

PAPER PUBLICATION

List of Journal Publications

Faculty Name	Publication Title	Journal
Dr. Kunal Meher	Peer-to-Peer Conferencing using Blockchain, WebRTC and SIP	International Journal on Recent and Innovation Trends in Computing and Communication
Dr.Sushama Khanvilkar	Automatic Identification of Wild vegetables as Neutritious and Sustainable Food	Science, Technology and Development Journal

List of Conference Publications

Faculty Name	Publication Title	Conference
Ms.Teena Varma	Deep Transfer Learning for Enhanced Blackgram Disease Detection: A Transfer Learning - Driven Approach	International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2023) (Springer)
Mr. Vijay Jumb	Enhanced Hate Speech Detection Using Various Machine Learning Models and Performance Comparison	6th IEEE International Conference on Advances in Science and Technology (ICAST-2023)

List of Patent

Name	Publication Title	Date
1. S.Beatrice 2. Divya Kulkarni 3.Chinmayee Patil 4.Leron Patel 5.Stephen Wallace	CEREBRAL PALSY DETECTION DEVICE IN CHILDREN	14/09/2023

LIST OF FACULTY AS A RESOURCE PERSON IN FDP / STTP / WORKSHOP OR GUEST LECTURE

Sr. No.	Faculty Name	Conference Name	Date of Event
1	Dr. Vaishali Gaikwad	"Judge" at 18th Aavishkar: Inter-Collegiate / Institute / Department Research Convention (Zonal Round) organized by the University of Mumbai at Vivekanand Education Society\'s Institute of Technology, Chembur, Mumbai for Engineering colleges/Institutes Zone. (Hardcopy)	15 December 2023
2		Resource person for workshop on "Security Operation Center" at South Indians' Welfare Society College, Wadala (Hardcopy)	May 03-04, 2023
3		Guest and Judge for CodeKraft Competition conducted by Bharati Vidyapeeth (DU), Department of Engineering & Technology, Kharghar, Navi Mumbai (Hardcopy)	March 15 , 2023
4	Dr. Kunal Meher	A session on "Bitcoin Network" in an ISTE approved six days FDP on "Blockchain and DLT"	5th Jan, 2023
5	Dr.Sushama Khanvilkar	Judge for event of poster presentation on "Applications of Automata Theory" organized by Dept of IT, XIE	3rd April 2023

GUEST LECTURES FOR STUDENTS

	Topic	Subjects	Date	Resource Person with Designation	Faculty Incharge
1	Classification technique using KNN	Data Warehousing and Mining	23/10/2023	Crystle D'Souza,Full stack web developer,Infosys, Pune	Kavita Jain
2	Role of 5G Networks in ARVR	Computer Network	17/07/2023	Mr. Vyan Gandhi, Director, Augmentables	Dr. Vaishali Gaikwad
3	Classification technique using KNN	Machine Learning	23/10/2023	Crystle D'Souza,Full stack web developer,Infosys, Pune	Teena Varma
4	How AI & NLP are Transforming the search engine ecosystem	NLP	27/10/2023	Mr. Aditya Krishnan	S. Beatrice
5	Blockchain Projects and Services	Blockchain	03/08/2023	Mr. Danyl Fernandes,Front end Engineer – Intern, 2586 Labs, Banglore	Dr. Kunal Meher

ALUMINI SPEAKS!

LYSANDRA D'SOUZA
COMPS 2019-2023

I'm immensely grateful to the Institution & its Faculty members who recognized my potential and provided me with opportunities to hone them further in a manner that would benefit the institute & me immeasurably.

My only advice to the readers would be to understand your strengths, list the skills you wish to enhance and take up activities that align with your interests & that helps you grow. Having done that, take initiative & never hesitate to take up an opportunity presented to you. The lessons learnt via various situations faced while partaking in extracurricular activities only equip you better to face what is to come ahead once you step out of college. Wishing you success in everything you put your mind to.

Xavier Institute of Engineering recognizes that true success in today's dynamic world requires more than just technical expertise. By embracing a more holistic approach, the institute ensures its students are equipped with the ideal blend of technical skills along with management, leadership & interpersonal skills - a highly valued combination in order to stay ahead of the game.

Filled with enthusiasm, I participated & represented XIE in about 10+ Poetry & Debate competitions that led me to bag the winning position in many of them. On noticing my inclination towards literature & management, the staff members entrusted me with several opportunities to contribute towards various occasions & further improve my skill set. Their support & guidance enabled me to successfully lead noteworthy committees like ConneXIEon 2022, NSS & Women's Development Cell while leading teams of TEDxXIE, Spandan, etc. Among these, having Hosted 30+ grand ceremonies & events along with organizing 5+ events; my management skills were shaped tremendously.

This was a highly rewarding experience as I was felicitated with several awards, starting with the Woman of Creativity Award for 2021 & 2022, Outstanding Student of the Year Award 2022, Best XIE Girl Student of the Year Award 2023 & finally, the Title of the Valedictorian of the 2023 Batch.

ALUMINI SPEAKS!

SEAN PEREIRA
COMPS 2019-2023

The name Xavier Institute of Engineering fills me with a deep sense of gratitude and nostalgia. My time at Xavier's was a transformative journey, which not only shaped my academic and professional life but also my personal growth. From gaining leadership and management skills in the student council to serving others and contributing to society in the National Service Scheme, Xavier's provided a plethora of opportunities for personal growth and extracurricular involvement.

The diverse range of courses offered allowed me to explore various fields and discover my true passion in Cybersecurity. The faculty members were more than just teachers; they inspired me to push my limits and strive for excellence. Their unwavering support and guidance were instrumental in my academic success.

The college's emphasis on sports also played a significant role in my development, teaching me the values of teamwork, discipline, and perseverance.

One of the highlights of my college years was the sense of community and belonging I found at Xavier Institute of Engineering. The friendships I forged during this time are some of the most meaningful relationships in my life.

Together, we celebrated our successes, supported each other through hardships, and created memories that will last a lifetime.

For me, Xavier's has been more than just an educational institution; it has been a nurturing ground for personal and professional growth. As an alumnus, I am proud to be part of its rich legacy and grateful for the experiences and opportunities it provided. I look forward to continuing my connection with Xavier's and contributing to its future success. I encourage all students to embrace all that Xavier Institute of Engineering has to offer and to make the most of your time here. The journey is challenging but incredibly rewarding, and the memories you create will stay with you for a lifetime.

CLASS PHOTOGRAPHS!

SE COMPS

TE COMPS

BE COMPS

DEPARTMENT OF COMPUTER ENGINEERING FACULTY