

IT INSIGHTS

2022-2023

DEPARTMENT OF
INFORMATION TECHNOLOGY



Institute Vision statement of XIE

To nurture the joy of excellence in a world of high technology

Institute Mission statement of XIE

To strive to match global standards in technical education by Interaction with industry, continuous staff training, and Development of quality of life.



Department Vision statement of Information Technology

To nurture the joy of excellence in the world of Information Technology

Department Mission statements of Information Technology

M1: To develop the critical thinking ability of students by promoting interactive learning.

M2: To bridge the gap between industry and institute and give students the kind of exposure to the industrial requirements in current trends of developing technology.

M3: To promote learning and research methods and make them excel in the field of their study by becoming responsible while dealing with social concerns.

M4: To encourage students to pursue higher studies and provide them awareness on various career opportunities that are available.



ABOUT THE DEPARTMENT

The Department of Information Technology was established in 2005 and offers a Bachelor in Engineering in IT. The department has well trained staff that offers teaching and learning with well-equipped computer laboratories. Excellence is the hallmark of all that is taught by a well – qualified faculty.

IT is an exciting and evolving field that offers many and varied career opportunities. IT curriculum includes advanced courses on Artificial Intelligence, Data warehousing & Mining, Big-data Analytics, Image Processing along with core computer subjects like Data structures, Operating Systems and DBMS.

This degree provides students with excellent preparation both for graduate study in IT and for employment. Our major recruiters include Tech-Mahindra, Mastek, L&T Infotech, Infosys, Accenture, Capgemini , Amazon and many more.

The Jesuit tradition emphasizes excellence as a level to be reached in study and employment. The department of IT continues this noble tradition.

The laboratories in the department have the latest machine configuration and full internet access enabling the students to perform the experiments with ease. We have some proprietary software and encourage the students to use open source tools wherever possible.



MESSAGE FROM THE DIRECTOR



Fr. (Dr.) John Rose S.J.
Director, XIE

Dear Faculty and Students of IT,

As we embark on another exciting edition of our bi-annual newsletter, I am filled with pride and enthusiasm to witness the vibrant activities within the Department of Information Technology.

Our department continues to thrive, thanks to the dedication and hard work of both faculty members and students alike. From workshops on cutting-edge technologies like LaTeX and blockchain to engaging seminars and impressive project presentations, it's evident that XIE's IT department is committed to staying at the forefront of technological innovation.

The workshops conducted by our esteemed faculty not only enhance our understanding of these emerging technologies but also provide invaluable hands-on experience that will undoubtedly benefit us in our academic and professional pursuits. Likewise, the seminars serve as platforms for knowledge exchange and intellectual discourse, enriching our understanding of various facets of IT.



I am particularly proud of our students' accomplishments, as evidenced by their outstanding project presentations. These presentations not only showcase their technical prowess but also highlight their creativity, problem-solving skills, and ability to work collaboratively—a testament to the holistic education they receive here at our institution.

As we celebrate these achievements, let us also reflect on the importance of continuous learning and growth in the ever-evolving field of information technology. Let us remain committed to pushing the boundaries of innovation, fostering a culture of curiosity, and striving for excellence in all that we do.

I would like to extend my heartfelt appreciation to all those who have contributed to the success of our department and this newsletter. Your dedication, passion, and commitment to excellence are truly commendable and serve as inspiration to us all.

I look forward to seeing the continued progress and success of our department in the months and years ahead.

Best wishes!



MESSAGE FROM THE PRINCIPAL



Dr. Y.D Venkatesh
Principal, XIE

My wishes and appreciation for all the efforts put by the editorial board of the Information Technology Department bringing out this Newsletter to the forefront. This edition of the Newsletter reports on the most significant activities that are carried out by our Faculty, Students, and our Alumni in the area of Teaching-Learning, Research and Development along with Industry Institute Interaction.

This newsletter is a medium, to bridge the gap between achievements and the recognition. The Faculty and Staff of the Department of Information Technology strive to produce technically competent and socially responsible graduates. The department of IT has been well developed with laboratories to provide practical exposure in the field of IT practices. The department thrives to support and develop research culture, consultancy and enhance entrepreneurship skills among all our students. Innovation and creativity are fundamental to all academic disciplines and educational activities.

To build up and inculcate these creative habits and to stay appraised with the current requirements and meet the demands of industry, the department of Information Technology is conducting workshops on various subjects such as coding, programming, Internet Of Things, Machine Learning, Spoken Tutorials, Python, Robotics, and Artificial-Intelligence to name a few.



The department also working to build-up industry-Institute linkage. It helps to provide good placements and brings in real-world exposure to our students. The department encourages, involves and supports students to participate in various Co-curricular and Extra-Curricular activities. These activities will bring awareness to all our students on social well-being and living together by understanding societal needs

.With good wishes and blessings!



MESSAGE FROM THE HOD



Dr. Jaychand Upadhyay
HOD, IT Department

Dear Colleagues and Students,

It gives us pleasure and honor to bring out the issue of the newsletter of the Department of Information Technology for the period from July, 2022 to June, 2023.

'IT Insights' is giving a medium to the department to showcase the achievements in a systematic way and stakeholders get a ready reference of the activities of the department.

With the aid of the best of the Infrastructure and the Staff, we educate students to become good professionals in future. Students are always updated with the latest trends in IT through various guest lectures and workshops. Most of the staff members are actively involved in publishing technical papers at various levels. The Team work of the department motivates to set a good example to their successors.

I am actually indebted to my departmental staff, students and their parents who have been working dedicatedly towards the overall growth of the department and the institute. The Editorial team members have put in their best as always for coming up with a wonderful issue. Enjoy reading!!

EDITORIAL TEAM



Prof. Sulochana Devi
(Staff Co-ordinator)



Mr. Rimson Saviour
(Graphic Designer)



Harshvardhan Gupta
(Editor)



Shreya Jadhav
(Editor)



SEMINARS & GUEST LECTURES

- Dr. Ujwala Bharambe ,assistant professor TSEC, Bandra delivered a guest lecture on the topic “Genetic Algorithm- Evolutionary Algorithm” for TEIT on 7th Oct 2021 organized by Ms. Chhaya Dhavale
- Ms. Mary Goldena Sharon , Senior Software Engineer , Accenture Delivered an Expert lecture on the topic" Cloud Computing ,AWS and Azure Technology" on 11th October 2022 organized by Fr.Dr. John Rose and Prof.Anchu Krishnan Pillai
- Dr. Ujwala Bharambe ,assistant professor TSEC, Bandra delivered a guest lecture on the topic “Role of Data Structure in AI” for TEIT on 15th Sept 2022organized by Ms. Chhaya Dhavale
- Mr. Shivang Sachdev, Senior DevOps Engineer at Upstox, delivered Expert lecture on the topic Hands On industrial application of Python programming for SE IT students on 15th february 2023
- Ms. Teena Salunkhe, Assistant Professor in Dept. of Computer Engineering , XIE, Mahim delivered a guest lecture on the topic “UML Diagrams” for TEIT on 21st Sept 2022 organized by Ms. Meena Ugale.
- Ms. Kavita Jain, Assistant Professor in Dept. of Computer Engineering , XIE, Mahim delivered an expert lecture on the topic "NoSQL" for SEIT on 11th Oct 2022 organized by Ms. Jyotsna More.



- Mr. Himanshu Gharat, Business Analyst, Quantiphi, delivered Guest lecture on the topic "Corporate experience and Placement" for BE IT on 16th September 2022 organised by Mr. Amit Narote
- Mr. Raj Joshi, Framework Engineer at Quantiphi and Mr. Avdhoot Patil, Cloud and DevOps Engineer at NeoSoft delivered guest lecture on the topic "Innovative Industrial Approaches for Web Development and DevOps" for TEIT on 7th October, 2022 organised by Ms. Martina D'souza and Ms. Sulochana Devi.
- Mr. Himanshu Gharat, Business Analyst, Quantiphi, delivered Expert lecture on the topic "Scripting Languages" for SE IT on 16th September 2022 organized by Ms. Jaya Jeswani.
- Mr. Shivang Sachdev, Senior DevOps Engineer at Upstox, delivered Expert lecture on the topic Hands On session on REST API & FLASK framework on 2nd March 2023 organised by Ms. Martina D'souza
- Dr. Monika Mangla, Associate Professor, DJ Sanghvi College of Engineering, delivered guest lecture on the topic "Technical Paper Writing" for BEIT on 19th September, 2022 organised by Ms. Suvarna Aranjo.
- Dr. Kranti Ghag, Associate Professor, DJ Sanghvi College of Engineering, delivered Expert lecture on the topic "An Overview of IPR and Patents" for BEIT on 23rd September, 2022 organised by Ms. Suvarna Aranjo.
- Mr. Raj Joshi, Framework Engineer at Quantiphi and Mr. Avdhoot Patil, Cloud and DevOps Engineer at NeoSoft delivered guest lecture on the topic "Innovative Industrial Approaches for Web Development and DevOps" for TEIT on 7th October, 2022 organised by Ms. Martina D'souza and Ms. Sulochana Devi.



WORKSHOPS

- Ms. Jyotsna More and Ms. Suvarna Aranjó organized a value added course on "Latex for Beginners" from 17th March 2023 to 31st March 2023 for SEIt students.
- Ms. Suvarna Aranjó and Mr. Amit Narote organized an ISTE approved six day online FDP on " Block chain and Distributed Ledger Technology" from 2nd January to 7th January 2023



OTHER ACTIVITIES BY FACULTY

- Ms. Suvarna Aranje organized "Project Ideathon 2022" on 8th July for BE students of EXTC, Computer and IT Department organized by Department of Information Technology, Computer and EXTC , Xavier Institute of Engineering, Mumbai.
- Ms. Suvarna Aranje organized "Project Exhibition 2022" on 1st April 2022 for BEIT students of Department of Information Technology, Xavier Institute of Engineering, Mumbai.
- Ms. Suvarna Aranje was a member of Syllabus setting team for subject "Simulation & Modeling" of BE IT (SEM VIII 2019 - C Scheme), University of Mumbai .
- Ms. Jyotsna More organized and contributed as a resource person in Faculty Orientation Program of Sem VIII - IT Subject of Knowledge Management (Rev-2019 'C' Scheme) on 18 January 2023.
- Ms. Jyotsna More conducted sessions in value added course on "Latex for Beginners" from 17th March 2023 to 31st March 2023 organized by Department of Information Technology, Xavier Institute of Engineering, Mumbai.
- Ms. Jyotsna More worked as Reviewer at International Conference on Advanced Computing Technologies and Applications (ICACTA 2023) on October, 2023 organized by D. J. Sanghvi college of engineering, Mumbai, India.



- Chhaya Dhavale has been a reviewer at the 4th International Conference on Communication Systems, Computing and IT Applications (CSCITA-23) organized on March 31st - April 1st 2023 by the St. Francis Institute of Technology (SFIT), Mumbai and technically co-sponsored by IEEE Bombay Section
- Chhaya Dhavale has been a reviewer JENRS
- Fr. Dr. John Rose SJ as a resource person delivered a webinar on “A Career in Coding (Python) With its Delights and Challenges” on 4th Oct 2022, in Jesuits Goa Province of the Society of Jesus.
- Fr. Dr. John Rose SJ as a resource person delivered a One-day Consultative Workshop on the National Curriculum Framework by respective Civil Society/NGOs/Managements and Organization, on 14th August 2022.
- Fr. Dr. John Rose SJ as a resource person delivered talks on “Insight into the Jesuit Ethos” on 3 rd Jan 2023, in St. Xavier Institute of Education, Mumbai.
- Meena Ugale has been a reviewer at the 4th International Conference on Communication Systems, Computing and IT Applications (CSCITA-23) organized on March 31st - April 1st 2023 by the St. Francis Institute of Technology (SFIT), Mumbai and technically co-sponsored by IEEE Bombay Section.
- Mr. Jaychand Upadhyay is nominated as a member of curriculum committee for development of the curriculum for Diploma in e-waste management system at National Institute of Open Schooling, an autonomous institution under ministry of education, Government of India.



- Dr Jaychand Upadhyay conducted one month python programming course for students of Kosyam Jesuit University of Science, Burkina Faso, West Africa
- Ms. Chhaya Dhavale worked as Reviewer At Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2022) on Jan 20-21, 2023 organized by Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, India.



MINI PROJECT EXHIBITION

GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
1	AYARE BHARGAV UMESH VRUSHALI UMESH AYARE	HEART DISEASE PREDICTION	PROF. AMIT NAROTE
	SINGH AMAR MAHESH ANITA		
	SHETTY VANSHIKA SURESH AMITA		
2	HASHMI MOHAMMAD ARFAAT	SIGN LANGUAGE RECOGNITION USING ML	PROF. AMIT NAROTE
	DAKHWAY ASIM		
	PAWAR SOHAM		
	TRIPATHI RISHIKA		
3	GUPTA MAHESH MANOJKUMAR USHA	HANDWRITTEN DEVANAGARI CHARACTER RECOGNITION SYSTEM	PROF. AMIT NAROTE
	REGINA THANGA SELVA PERUMAL ARUL VEL MURUGAN REGINA		
	YADAV PRANJAL BHOLAPRASAD GEETA		
	MONDAL TANIA KUSHADHWAJ JHUMA		



GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
4	LAGAD SWASTIK RAJU MANISHA	HOUSE PRICE PREDICTION	PROF. AMIT NAROTE
	MISHRA ADITYA RATAN MEENA		
	RAJPUROHIT MAGHSINGH DEVISINGH CHAMPA		
	GUPTA BHARATKUMAR RAJENDRA NIRMALA		
5	MARATHE BHARGAVEE BHAGWAN ANITA	CREDIT SCORE PREDICTION ,LOAN ACCEPTANCE PREDICTION	PROF. AMIT NAROTE
	PATIL SARTHAK VINAY SUREKHA		
	REDIJ RUSHIKESH VIKAS RUTUJA		
6	POLE ADITYA KIRAN LATA	SIGNATURE VERIFICATION SYSTEM	PROF. SULOCHANA DEVI
	KHAN SAQUIB		
	DESAI SUMIT		
	GUPTA HARSHITA RAKESH HEMLATA		

GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
7	CHAVAN SARVESH PANKAJ RACHANA	HEART DISEASE DETECTION, CRYPTO CURRENCY BASED PROJECT	PROF. SULOCHANA DEVI
	SHAIKH OSAMA GULAM SARWAR MEHBOOBA SHAHEEN SHAIKH		
	SUNKA BHANU KISHAN RAMA		
	DALVI HARSH BHAU BHAKTI		
8	GARG KRISHNA ANISH PRITA	LIVE OBJECT DETECTION	PROF. SULOCHANA DEVI
	NAMBIRAJAN SANTHOSH - N.SUNDARAJOTHI		
	TALEKAR ROHAN SACHIN KAVITA		
	BADIPURAM PRITHVI HARIDARSHAN SUNITA		
9	AGRAWAL DHARUV SANDEEP MANISHA	STOCK MARKET PREDICTION	PROF. SULOCHANA DEVI
	DESAI SOHAM ABHAY KINNARI		
	JOSHI FALGUNI SANJAY SWATI		



GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
10	BHABAL TANVI NARAYAN NAVITA	UNIVERSITY RECOMMENDATION SYSTEM, JOB FRAUD DETECTION	PROF. SULOCHANA DEVI
	KHAN FARHAN SHAKEEL SABERA		
	POOJARY SUDEEP SADASHIV SHASHIKALA		
	PRABHU ANISHA YOGESH SANJANA		
11	PATIL SANKET VIJAY MIRA	SENTIMENT ANALYSIS	PROF. JYOTSNA MORE
	PRAJAPATI AVINASH RAJKUMAR SANGITA		
	SAGAVEKAR ADITYA SATYAWAN PRERANA		
	GAWDE SEJAL SUNIL SAYLI		
12	CHRISTINA ANNE M A KAVITHA	SKIN CARE RECOMMENDATION	PROF. JYOTSNA MORE
	KADAM AVANI DHARMASHRI SANGITA		
	NADAR WINCY MISPA MERCY RAJAN		
	DHANGAR SHEKHAR GANESH YASHODA		



GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
13	NADAR CASTRO SIMON TAMILMANI NADAR	FLIGHT PRICE PREDICTION	PROF. JYOTSNA MORE
	SHINDE ISHIKA SANJAY SHWETA		
	TIWARI OM RAKESH VANDANA		
	MANJALY JEEVAN VARGHESE MINI		
14	VAIDYA MRUNAL RAHUL KOMAL	ONLINE PAYMENT FRAUD DETECTION	PROF. JYOTSNA MORE
	SHISHODIA ARJUN SINGH SUBHASH SINGH ANITA		
	TEDDU SHAILESH SUDARSHAN MANISHA		
	VENGURLEKAR GAURAV MURLIDHAR JAYASHREE		
15	DSOUZA LEITH	HAND MOUSE CONTROLLER, PUSHUP COUNTER	PROF. JYOTSNA MORE
	MISHRA TUSHAR KAILASH NILU		
	CHAURASIYA MAHENDRA KUMAR RAJARAM SHARADA DEVI		

GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
16	ANSARI MOHAMMAD WAQUIUR RAHMAN MOHAMMAD RAFIUR RAHMAN GHAZALA TABASSUM	MOBILE PRICE PREDICTION & RECOMMENDATION	PROF. CHHAYA DHAVLE
	PARDESHI VANRAJ SURESH MEENA		
	CHALKE RAHUL ATMARAM KAVITA		
	SINGH ANURAG SUNIL GEETA		
17	POLE SHUBHAM KIRAN LATA	CREDIT CARD FRAUD DETECTION SYSTEM	PROF. CHHAYA DHAVLE
	PAWAR TRUPTI CHANDRAKANT SANGITA		
	SINGH ARADHANA SANTOSH RADHIKA		
	SABAT KRISHNA RAJENDRA SANJUKTA		

GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
18	SHAIKH HAMZA ABDUL HAMID SHAHISTA	FASHION RECOMMENDATION SYSTEM USING DEEP LEARNING	PROF. CHHAYA DHAVLE
	SHARMA ANSHUMAN SHYAMPHAL DEEPSHIKHA		
	CHINTA VANSH SURESH GEETA		
	DHAUNDIYAL ANUSHA ASHOK ARCHANA		
19	PRINCE GUPTA RAGAVRAM REETA	MOVIE RECOMMENDER , DOCUMENT CLASSIFICATION AND DATA EXTRACTION	PROF. CHHAYA DHAVLE
	REJI MERIN SUJA		
	VISHWAKARMA ROHIT RAMASHRE RITA		



MAJOR PROJECT EXHIBITION

GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
1	SONAM GUPTA	E -VOTING SYSTEM USING BLOCKCHAIN	PROF. SUVARNA ARANJO
	LEKHA LADHE		
	KHUSBOO CHAUDHARI		
2	MITESH REGE	FOOD RECOMMENDATION SYSTEM	PROF. MARTINA D'SOUZA
	PRAJNA SHETTY		
	SHIVAM MISHRA		
3	PRATHAMESH JAWALE	BIG DATA FILE SYSTEM SCANNER	PROF. AMIT NAROTE
	FRASON KALAPURACKAL		
	KRISHNA MORE		
4	YASH CHITRODA	FAKE PRODUCT IDENTIFICATION	PROF. SUVARNA ARANJO
	MANISH KUMAR JAISWAR		
	UTKARSHA GHARAT		

GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
5	NIHAR VIRA	FOOD TRACEABILITY USING HYPERLEDGER SUPPLY CHAIN	PROF. CHHAYA DHAWALE
	ANURAG YADAV		
	SIDDHARTH YENNUWAR		
6	VIKRAM CHENNURI	FREELANCING WEB APP FOR DEVELOPERS	PROF. AMIT NAROTE
	VISHAL CHENNURI		
	ANUJ KALSHAIT		
	RUPESH VANNELDAS		
7	SHUBHAM BHATTAD	CRYPTO CURRENCY PRICE FORECASTING WEB APP	PROF. CHHAYA DHAWALE
	STEFIN SUNNYMON		
	DALLAS VAZ		
	ODRIN RODRIGUES		
8	SANDEEP SHAHANI	FUNDRAISER USING BLOCKCHAIN	PROF. SULOCHANA BISHNOI
	UTTAM PANDEY		
	DHRUYASH MAHALE		



GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
9	KAUSTUBH DESLE	IDENTIFICATION OF SIGN LANGUAGE	PROF. MEENA UGALE
	ANUSHKA SHINDE		
	SHIVAM YADAV		
	VINOD BHAT		
10	DIPALI GHARATE	LIBRARY MANAGEMENT SYSTEM	PROF. MARTINA D'SOUZA
	MANJIRI TARE		
	RAHUL GAIKWAD		
11	NIHAL SHAH	WEB TEXT SUMMARIZING EXTENSION	PROF. JYOTSNA MORE
	ARYA SARDA		
	JOHAN POCHAMPALLY		
12	ONKAR KANSE	TRAFFIC ANALYSIS USING OPEN CV AND MLK	PROF. JAYCHAND UPADHYAY
	ATHARVA MESTRY		
	RIDDHI WADKE		

GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
13	MULTAZIM ANSARI	CAREER COUNSELINGCHATBOT	PROF. JAYA JESWANI
	ALISHA ANSARI		
	RUSHIKESH DURGADE		
14	CALEB FELIX KUMAR	SMART AND RC VACUUM CLEANER USING ARDUINO	FR. (DR).JOHN ROSE, S.J
	NANCY MERCILINE		
	BERLIUS PEREIRA		
15	PRARTHANA GUPTA	WHATSAPP BACKUP USING ANDRIOD APP	PROF. SUVARNA ARANJO
	ADITYA BOHADE		
	OM TULASKAR		
16	SAUD ANSARI	LEAF DISEASE PREDICTION	PROF. JAYA JESWANI
	ZAID KHAN		
	RUSSEL FERNANDES		
17	ALISHA JOY	SPEECH EMOTION RECOGNITION	PROF. STELLA J.
	SRUSHTI RATHOD		
	AMAN KHAKHI		

GROUP NO.	NAME OF THE STUDENT	PROJECT TITLE	PROJECT GUIDE
18	TEJAS NICHAT	YOUTUBE TRANSCRIPT SUMMARIZER	PROF. SULOCHANA BISHNOI
	RAHUL NADAR		
	ALFREDPREM LUCAS		
19	DINESH SHINDE	FARMING ASSISTANT WEB SERVICE	PROF. JAYCHAND UPADHYAY
	SHUBHAM PALAV		
	VISHAL SINGH		
20	SWARAJ JINAGOUDA	SCRYPTO - STRATEGIC CRYPTO TRADING BOT ACROSS EXCHANGES	PROF. STELLA J.
	PRATIK BHADANE		
	CHRIS GONSALVES		
21	BAJARANG LONDHE	IMAGE SUPER RESOLUTION	PROF. MEENA UGALE
	YASH SANAYE		
	STEVE DSOUZA		
22	AJIT JENA	NBA AUTOMATED	PROF. JYOTSNA MORE
	ADITYA NARIAMPULLY		
	MASEEH KHAN		



PUBLICATIONS

- Narvekar Chhaya, (2023). Semantic Interoperability Framework and its Application in Agriculture. In Data Science with Semantic Technologies (pp. 131-156). CRC Press.
- Chhaya Narvekar, "Ontological Perspective in Cancer Care System." Data Science with Semantic Technologies. CRC Press, 2023. 247-265.
- Narvekar Chhaya, (2023). Role of Multi-objective Optimization in Image Segmentation and Classification. Computational Intelligence in Image and Video Processing, 317-340.
- Chhaya Narvekar, "6 Ontology and Knowledge Graphs for Semantic Analysis in Natural Language." Graph Learning and Network Science for Natural Language Processing (2022): 105.
- Chhaya Dhavale, Dr. Madhuri Rao, "Assessment of village-wise soil nutrient and their effect sugarcane productivity in Western Maharashtra, India" journal of Engineering Research and Sciences (JENRS), Volume 1, Issue 10, Oct 2022.
- Meena Ugale, "A Review on Sign Language Recognition Using CNN", International Conference on Applications of Machine Intelligence and Data Analytics (ICAMIDA 2022) 10.2991/978-94-6463-136-4_23.



- Meena Ugale, "A Comprehensive Survey of Single Image Super Resolution Techniques" ,7th International Conference on “Recent Trends Research in Engineering & Science (Online) (ICRTRES-2K23)
- Jyotsna More, Nihal Shah, Arya Sarda and Johan Pochampally, "Review of Web Articles Summarization, Extensions and Screen Readers" in International Conference on Recent trends in Multidisciplinary Research and Innovations (ICRMIR), ISBN: 978-81-951319-8-3, Volume 1, Issue I, March 2023, pp: 128-131.
- Ajit Jena, Maseeh Khan, Aditya Nariampully, Jyotsna More, "Digital NBA" in IOSR Journal of Computer Engineering (IOSR-JCE), e-ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 25, Issue 2, Ser. II (Mar – Apr 2023), pp: 49-52.
- Martina D’souza, Mitesh Rege, Shivam Mishra, Prajna Shetty, " Food Recipe Recommendation System", April 2023| IJIRT | Volume 9 Issue 11 | ISSN: 2349-6002
- Suvarna Aranjo, Utkarsha Gharat, Yash Chitroda, Manish Jaiswar, "Fake Product Identification using Blockchain", Springer ,2023
- Suvarna Aranjo, Prarthana Gupta, Aditya Bohade, Om Tulaskar, "Whatsapp backup using Andriod app", Springer, 2023
- Krishna More; Prathamesh Jawale; Frason Francis; Amit Narote, "Review of S3 Data Summarization and Visualization",Publisher: IEEE, 09-11 February 2023,DOI: 10.1109/ICISCOIS56541.2023.10100403.
- Devi Sulochana, (2023). Semantic Interoperability Framework and its Application in Agriculture. In Data Science with Semantic Technologies (pp. 131-156). CRC Press.

- Upadhyay Jaychand, Gonsalves Tad and Katkar Vijay, Robust and Lightweight System for Gait-based Age Estimation Towards Viewing Angle Variations, The Chinese Journal of Artificial Intelligence 2022; 1(): e260822208023. <https://dx.doi.org/10.2174/2666782701666220826104925>
- Jaychand Upadhyay, Tad Gonsalves,” An enhanced gait recognition system based on the features fusion methodology with recurrent neural network (rnn)”, Indian Journal of Computer Science and Engineering”, pp-1483-1496, vol 13, no-5, <https://doi.org/10.21817/indjcse/2022/v13i5/221305042>
- Upadhyay Jaychand & Gonsalves Tad, (2022). Robust and Lightweight System for Gait-Based Gender Classification toward Viewing Angle Variations. AI, 3(2), 538-553.



TRAINING PROGRAMMES ATTENDED BY FACULTY

- Ms. Chhaya Dhavale attended ISTE approved SF-STTP/FDP Programme on Data Analytics and visualization ,Organized by TSEC bandra Maharashtra from 12thDEC - 17th DEC, 2022.
- Jaychand Upadhyay has completed ISTE approved STTP/FDP programme on Artificial Intelligence Towards Data Science Applications at VCET, Vasai from 26/06/2022 to 8/07/2022.
- Ms. Jyotsna More attended FDP on Machine Learning: Basics to Advanced organized by SFIT, XIE, SJCEM sponsored by IEEE Bombay section from 1st July to 7th July 2022.
- Ms. Jyotsna More attended one day workshop "Tools and Techniques for an Effective Literature Review" on 17th Feb 2023 organized by Auro University, Surat.
- Jyotsna More attended an IEEE sponsored TWO-Week Faculty Development Programme (FDP) on "Next Generation Solutions: Harnessing the Power of Blockchain and AI" from 19th June to 1st July 2023 organized by St. Francis Institute of Technology, Borivali.
- Ms. Jyotsna More attended FDP on Next Generation Solutions: Harnessing the power of Blockchain & AI organized by SFIT, XIE, SJCEM sponsored by IEEE Bombay section from 19th June to 1st July 2023.



- Ms. Martina D'souza attended FDP on Machine Learning: Basics to Advanced organized by SFIT, XIE, SJCEM sponsored by IEEE Bombay section from 1st July to 7th July 2022.
- Ms. Martina D'souza attended FDP on Next Generation Solutions: Harnessing the power of Blockchain & AI organized by SFIT, XIE, SJCEM sponsored by IEEE Bombay section from 19th June to 1st July 2023.
- Ms. Martina D'souza attended an IEEE sponsored TWO-Week Faculty Development Programme (FDP) on "Next Generation Solutions: Harnessing the Power of Blockchain and AI" from 19th June to 1st July 2023 organized by St. Francis Institute of Technology, Borivali.
- Mr. Amit Narote attended FDP on Machine Learning: Basics to Advanced organized by SFIT, XIE, SJCEM sponsored by IEEE Bombay section from 1st July to 7th July 2022.
- Mr. Amit Narote attended an ISTE approved six day online FDP on "Block chain and Distributed Ledger Technology" from 2nd January to 7th January 2023 organized by Department of Information Technology , XIE.
- Ms. Sulochana Devi attended ISTE approved one week FDP on Web X.O organized by IT Dept, Xavier Institute of Engineering from 03rd Jan - 08th Jan, 2022
- Ms. Sulochana Devi attended FDP on Data Analysis using Python organized by E & ICT Academy, IIT Kanpur from 27th Jun - 01st Jul, 2022



- Ms. Jaya Jeswani attended FDP on MATLAB-Artificial Intelligence & Optimisation Techniques organized by department of electrical and electronics engineering , Andhra Loyola Institute of Engineering and Technology in association with NITTTR, Chandigarh from 21st Nov to 25th Nov 2022.
- Ms. Jaya Jeswani attended FDP on Machine Learning: Basics to Advanced organized by SFIT, XIE, SJCEM sponsored by IEEE Bombay section from 1st July to 7th July 2022.
- Ms. Stella J attended FDP on Machine Learning: Basics to Advanced organized by SFIT, XIE, SJCEM sponsored by IEEE Bombay section from 1st July to 7th July 2022.
- Ms. Stella J attended FDP on MATLAB-Artificial Intelligence & Optimisation Techniques organized by Andhra Loyola Institute of Engineering and Technology sponsored by Ministry of Education, Government of India from 21st Nov to 25th Nov 2022.
- Ms. Stella J attended FDP on Amazon Web Services organized by Andhra Loyola Institute of Engineering and Technology in collaboration with Brainovision Solution Pvt Ltd & AICTE from 22nd Aug to 27th Aug 2022.
- Ms. Stella J attended workshop on 'Cyber Security" organized by St. Joseph's Institute of Information Technology from 23rd Aug to 25th Jan 2023.
- Ms. Meena Ugale attended ISTE approved SF-STTP/FDP Programme on Insights of Data Science & Machine Learning with its Applications organized by Pillai Hoc College of Engineering & Technology, Rasayani, Maharashtra from 4th July - 9th July, 2022.



- Ms. Stella J attended FDP on Machine Learning: Basics to Advanced organized by SFIT, XIE, SJCEM sponsored by IEEE Bombay section from 1st July to 7th July 2022.
- Ms. Stella J attended FDP on MATLAB-Artificial Intelligence & Optimisation Techniques organized by Andhra Loyola Institute of Engineering and Technology sponsored by Ministry of Education, Government of India from 21st Nov to 25th Nov 2022.
- Ms. Stella J attended FDP on Amazon Web Services organized by Andhra Loyola Institute of Engineering and Technology in collaboration with Brainovision Solution Pvt Ltd & AICTE from 22nd Aug to 27th Aug 2022.
- Ms. Stella J attended workshop on 'Cyber Security" organized by St. Joseph's Institute of Information Technology from 23rd Aug to 25th Jan 2023.
- Ms. Suvarna Arango attended an IEEE sponsored TWO-Week Faculty Development Programme (FDP) on "Next Generation Solutions: Harnessing the Power of Blockchain and AI" from 19th June to 1st July 2023 organized by St. Francis Institute of Technology, Borivali.
- Ms. Suvarna Arango attended an IEEE sponsored TWO-Week Faculty Development Programme (FDP) on "Next Generation Solutions: Harnessing the Power of Blockchain and AI" from 19th June to 1st July 2023 organized by St. Francis Institute of Technology, Borivali.



- Ms. Suvarna Aranja attended an ISTE approved six day online FDP on " Block chain and Distributed Ledger Technology" from 2nd January to 7th January 2023 organized by Department of Information Technology , XIE.
- Ms. Suvarna Aranja attended an ISTE approved six day online FDP on " Block chain and Distributed Ledger Technology" from 2nd January to 7th January 2023 organized by Department of Information Technology , XIE.



STUDENTS' ACADEMIC ACHIEVEMENTS

RANK	NAME OF THE STUDENT	CGPA
1	GUJAR SALIL	10
2	SARAP RAKSHITA	9.61
3	VISHWAKARMA SUMIT	9.22

RANK	NAME OF THE STUDENT	CGPA
1	GUPTA PRARTHANA SURESH	9.59
2	JAWALE PRATHAMESH RAJESH	9.41
3	REGE MITESH PARIMAL	9.18

RANK	NAME OF THE STUDENT	CGPA
1	BABULAL	9.63
2	GUPTA PRARTHANA SURESH	9.58
3	JINAGOUDA SWARAJ TEJPAL	9.37



PLACEMENT STATISTICS

SR. NO.	NAME OF THE STUDENT	NAME OF THE EMPLOYER	PACKAGE (LPA)
1	STEFIN SUNNYMON	QUANTIPHI	8.5
2	MITESH REGE	QUANTIPHI	8.5
3	SHUBHAM BHATTAD	QUANTIPHI	8.5
4	VINOD BHAT	QUANTIPHI	8.5
5	PRATHAMES JAWALE	QUANTIPHI	8.5
6	PRATIK BHADANE	JIO PLATFORMS LIMITED	7
7	JOHAN POCHAMPALLY	JIO PLATFORMS LIMITED	6
8	ONKAR KANSE	JIO PLATFORMS LIMITED	6
9	ANURAG YADAV	JIO PLATFORMS LIMITED	5
10	PRARTHANA GUPTA	JIO PLATFORMS LIMITED	5
11	CHRIS GONSALVES	JIO PLATFORMS LIMITED	5
12	ATHARVA MESTRY	JIO PLATFORMS LIMITED	7



SR. NO.	NAME OF THE STUDENT	NAME OF THE EMPLOYER	PACKAGE (LPA)
13	KHUSBHOO CHAUDHARI	DECIMAL POINT ANALYTICS	6
14	AJIT JENA	DECIMAL POINT ANALYTICS	6
15	AJIT JENA	CIMPRESS	12
16	LEKHA LADHE	CIMPRESS	6
17	NIHAR VIRA	CIMPRESS	6
18	SONAM GUPTA	CIMPRESS	6
19	ADITYA BOHADE	TECH MAHINDRA	3.25
20	SHIVAM MISHRA	TECH MAHINDRA	3.25
21	VISHAL CHENNURI	TATA CONSULTANCY SERVICES	3.3
22	ALISHA JOY	SWAN SOLUTIONS	8
23	UTTAM PANDEY	NEWFOLD DIGITAL	3
23	NIHAR VIRA	NEWFOLD DIGITAL	3
24	UTKARSHA GHARAT	VISTAAR	4



SR. NO.	NAME OF THE STUDENT	NAME OF THE EMPLOYER	PACKAGE (LPA)
26	SHIVAM YADAV	QUALITY KIOSK	5
27	SIDDHARTH YENNUWAR	QUALITY KIOSK	5
28	BAJARANG LONDHE	QUALITY KIOSK	5



TEDxXIE 2023

- TEDxXIE 2023 was held on 11th March 2023, where great speakers such as Mr. Adil Ansari , Mr. Abhijeet Chavda, Dr. Seema Rao, Mr. Shridhar Mankar, Mr. Prathamesh Jaju, Mr. Aryan Prajapati and Ms. Kashish Methwani were present.
- Kashish Methwani is not only a supermodel and the winner of Miss International India 2023, but also a true inspiration. She's currently pursuing her MSc in Biotechnology and is the founder of an NGO called 'Critical Cause' which works as a Plasma and Organ Donation Centre. Kashish is also a national-level shooter and a debater, showcasing her diverse talents and interests. At TEDXXIE 2023, Kashish will share her journey and insights on how to balance different passions and excel in multiple fields. Her achievements in beauty pageants and beyond serve as a testament to her confidence, ambition, and determination.
- Prathamesh Jaju is an 18-year-old amateur astronomer and astrophotographer from Pune, India, who gained recognition for his breathtaking work in astrophotography. His detailed photograph of the last quarter mineral moon is a true testament to his passion and dedication. At TEDXXIE 2023, Prathamesh will share his unique perspective on how astrophotography can inspire a deeper appreciation for the beauty and complexity of our universe.
- Shridhar Mankar is one of the few people capable of teaching us the syllabus mere days before the exam! Shridhar is not only an accomplished leader and innovator in the field of technology, but also a popular YouTuber with his channel "5 Minute Engineering" which has over 400K subscribers. His experience in software development, data analytics and artificial intelligence has been widely recognized, and we can't wait to hear his insights on how technology can help shape our future.



- Dr. Rao is India's first female special forces trainer, having trained the Special Forces of India for over two decades without compensation. With a background in crisis management and experience as a Mrs India World Beauty Pageant Finalist, Dr. Rao is a true inspiration and a trailblazer for women in India. At TEDXXIE 2023, Dr. Rao will share her story and insights on how to overcome adversity and achieve success against all odds.
- Abhijit is a theoretical physicist, historian, geopolitical analyst, writer, and podcaster. With his vast knowledge and experience in a wide range of fields, Abhijit has become a respected authority on topics ranging from dark matter and black hole physics to geopolitics and Indian history. At TEDXXIE 2023, Abhijit will share his insights on how interdisciplinary thinking can lead to new and innovative solutions to the world's most pressing challenges.
- Adil is a true inspiration, having overcome immense challenges to achieve remarkable feats. As a quadriplegic, he broke two world records - for the longest non-stop bike ride and the longest non-stop car ride. He's also a four-time para-archery national champion, having represented India in several international competitions. At our event, Adil will share his remarkable story and insights on how to achieve greatness despite adversity. Join us to be inspired by his indomitable spirit and passion for life!
- It has become a truly great event as these great speakers inspired each and every student present there to succeed in their desired career by facing all the difficulties.
- Also the credit of the successful event goes to all the hardworking organizing team who worked with their blood and sweat to make the event great.

SPANDAN 2023



- "Spandan" is a Sanskrit word which means VIBRATIONS. In education, cultural activities always complement academics. In XIE each year, the two-day inter-collegiate fest SPANDAN draws crowds. It's a time for presenting exuberant talents in a fun ambience.
- This year it was held on 23 January 2023 by Student Council of XIE. The credits of this wonderful feats goes to Cultural Secretary Shreya Wadkar, Joint Cultural Secretary Karan Sharma and all the Admins, Hod's and Volunteers whose all hard-work paid off.
- Different Events in categories such as Fine Arts, Drama, Singing, Dance, Literature, Formals and Informal's were held together.
- Students from XIE as well as other colleges participated in large number to make the event a successful one.
- Events such as Exchange the art, Relay Tic-Tac-Toe, dance, Battle of Bands ,Poetry writing , Tadoo making , Concert were some of their highlights.
- Also Professor Spandan was held professors of XIE, which was fun event were professors can show their skills.

TRANSMISSION 2023



- Transmission is the annual inter-college Tech Festival at XIE. This year it was held on 23 January 2023.
- The credit of this successful event goes to Technical Secretary Ahasas Shrivastav, Assistant Technical Secretary Mervis Mascareñas, Admins, Hod's and all the Volunteers whose all hard-work paid off.
- We had a huge participation from colleges all over Mumbai, attracted by events such as UIUX coding, Blind Coding, Lan Gaming such as Valorant, BGMI, fun activities like Air Hockey, Sumo Wrestling and other exciting, unique events which were center of attraction.
- Transmission is a major festival on the college tech-Afest circuit in Mumbai, with several repeat entries year after year.
- Different Events in categories such as Coding & Software, Hardware & Robotics, Lan Gaming, Fun Activities, etc were organized which were of great success.

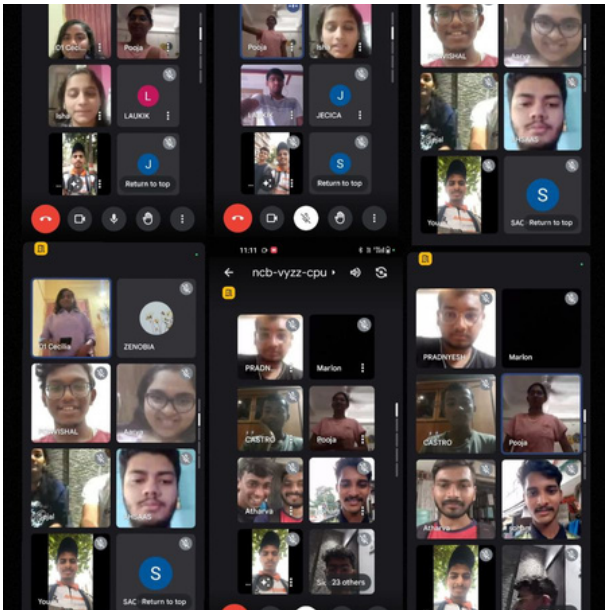
SPARX 2023



- Sparx is the annual inter-college Sports Festival at XIE. This year it was held on 16 January 2023.
- The credit of this successful event goes to Sports Secretary Gaurav Vengurlekar , Joint Sports head Chris George, Assistant Sports Secretary Athavar Ghodke, Admins, Hod's and all the Volunteers whose all hard-work paid off.
- We had a huge participation from colleges all over Mumbai, attracted by events such as Cricket, Kabbadi , Football, Box cricket, and other exciting, unique events which were center of attraction.
- Transmission is a major festival on the college tech-fest circuit in Mumbai, with several repeat entries year after year.
- Different Events in categories such as Coding & Software, Hardware & Robotics, Lan Gaming, Fun Activites, etc were organized which were of great success.

NSS ACTIVITIES 2022-23







SR. NO.	NAME OF THE ACTIVITY	ORGANISING UNIT/ AGENCY/ COLLABORATING AGENCY	NAME OF THE SCHEME	YEAR OF THE ACTIVITY
1	ANTI-TOBACCO AWARENESS AT MAHIM COLONY, MAHIM	NSS-XIE	NSS	07.06.2022
2	TREE PLANTATION AT XIE, MAHIM, MUMBAI	NSS-XIE	NSS	11.06.2022
3	VISIT TO OLD AGE HOME, MUMBAI	NSS-XIE	NSS	30.07.2022
4	TIRANGA RALLY AT UNIVERSITY OF MUMBAI, KALINA CAMPUS, MUMBAI	NSS CELL UNIVERSITY OF MUMBAI	NSS	13.08.2022
5	VERSOVA BEACH CLEANUP, MUMBAI	NSS-XIE & CLEAN WE GO	NSS	27.08.2022
6	KOLIWADA BEACH CLEANUP, MUMBAI	NSS-XIE	NSS	17.09.2022
7	VERSOVA BEACH CLEANUP, MUMBAI	NSS-XIE	NSS	24.09.2022
8	BLOOD DONATION CAMP AT DADAR RAILWAY STATION, MUMBAI	NSS-XIE	NSS	01.10.2022
9	DE-ADDICTION RALLY FROM AZAD MAIDAN TO GATEWAY OF INDIA, MUMBAI	NSS CELL UNIVERSITY OF MUMBAI	NSS	01.10.2022
10	MONORAILWAY STATION CLEAN-UP AT WADALA, MUMBAI	NSS CELL UNIVERSITY OF MUMBAI & NSS-XIE	NSS	02.10.2022



SR. NO.	NAME OF THE ACTIVITY	ORGANISING UNIT/ AGENCY/ COLLABORATING AGENCY	NAME OF THE SCHEME	YEAR OF THE ACTIVITY
11	CSMT RAILWAY STATION BLOOD DONATION CAMP, MUMBAI	NSS-XIE	NSS	08.12.2022
12	AIDS AWARENESS AT MAHIM COLONY, MAHIM	NSS-XIE	NSS	09.12.2022
13	MUSIC & MEDITATION SESSION FOR OLD AGE HOME, MUMBAI	NSS-XIE	NSS	20.12.2022
14	ROAD SAFETY AWARENESS PROGRAM AT NCPA NARIMAN POINT, CHURCHGATE, MUMBAI	MUMBAI	NSS	11.01.2023
15	MAHIM BEACH CLEANUP, MUMBAI	NSS-XIE & CLEAN WE GO	NSS	21.01.2023
16	GENDER EQUALITY AND RIGHTS AT BANDRA(W), MUMBAI	AKSHARA CENTRE	NSS	02.02.2023
17	AKSA BEACH CLEAN UP, MUMBAI	NSS-XIE	NSS	11.02.2023
18	BLOOD DONATION CAMP AT DADAR RAILWAY STATION, MUMBAI	NSS-XIE	NSS	01.03.2023
19	NEERATHON AT MAHIM COLONY, MAHIM, MUMBAI	NSS CELL UNIVERSITY OF MUMBAI	NSS	05.03.2023



SR. NO.	NAME OF THE ACTIVITY	ORGANISING UNIT/ AGENCY/ COLLABORATING AGENCY	NAME OF THE SCHEME	YEAR OF THE ACTIVITY
11	PAPER BAG DISTRIBUTION AND AWARENESS AT MAHIM COLONY, MAHIM, MUMBAI	NSS-XIE	NSS	18.03.2023
12	TB AWARENESS AT MAHIM COLONY, MAHIM	NSS-XIE	NSS	24.03.2023
13	IMMUNITY ENHANCEMENT PROGRAM FOR OLD AGE HOME, MUMBAI	NSS-XIE	NSS	24.03.2023
14	COMMUNICATION SKILL PROGRAM FOR ORPHANAGE	MUMBAI	NSS	25.03.2023



- The visit to the Adani Thermal Power Plant by TEIT provided valuable insights into the intricate processes of power generation, the advanced technologies employed, and the stringent safety and environmental measures implemented
- Observations and Learnings:
 - Power Generation Process: Describe the different stages of power generation, including fuel handling, combustion, steam generation, and electricity generation. Note any innovative or advanced technologies used in the process.
 - Technology and Equipment: Provide details about the types of turbines, generators, boilers, and other essential equipment observed during the visit. Discuss any automation or control systems in place.

CLASS PHOTOGRAPHS

BEIT



TEIT



SEIT





OUR AMAZING CREW

- **Prof. Sulochana Devi (Staff Co-ordinator)**
- **Mr. Rimson Saviour (Graphic Designer)**
- **Anisha Prabhu (Editor-in-Chief)**
- **Anusha Dhaundiyal (Student Co-ordinator)**
- **Harshvardhan Gupta (Student Editor)**
- **Shreya Jadhav (Reporter-in-Charge)**
- **Saksham Gupta (Article Documentation Volunteer)**
- **Parth Choudhary (Asst. Graphic Designer)**
- **Sachin Vishwakarma (Documentation Volunteer)**
- **Siddhi Awlegaonkar (Student Reporter)**
- **Vedant Chaudhari (Student Reporter)**
- **Harshit Jain (Student Reporter)**
- **Bibhor Mishra (Student Reporter)**