

SIES GRADUATE SCHOOL OF TECHNOLOGY, NERUL, NAVI MUMBAI

ANNUAL REPORT FOR THE YEAR 2024-25

About Institute:

The SIES Graduate School of Technology has come of age with its 19th batch passing out this year. It has made a mark in the technical education field as one of the best engineering colleges in Mumbai and ranked second in Navi Mumbai. GST students have excelled in all fields and have made their presence felt in a big way at the University, State and National levels

Academic Achievements (if any)

Collaboration (MoUs and other extraordinary achievements) Jyoti

03 MOUs signed

1)YH Works

One consultancy project done with 02 students

2) Darpin

04 students completed internship

3)Arogya Saukhyam Foundation

04 students completed 01 outhouse project completed

Initiatives:

1. Final year students have enrolled for the course related to their project area to gain insight into technology.
2. Two weeks training program on Aptitude, Soft Skills and Technical skills Employability enhancing program through InsPIRE program by Aspire for Her Supported by Infosys Foundation and conducted by Cybersecured India. A total of 62 students received training certification.

Academic/Technical achievements of faculties

Conferences:

1. Dr. Kalyani Pampattiwar , Ms Namrata Patel and Ms. Kranti Bade presented paper titled “Decentralized Vehicle Registration: A Blockchain Approach” in the ICDAI 2024 Organized by Techno International New Town on 27th July 2024.
2. Prof. Ujwala Ravale Presented paper titled “Improving Crypto Trading Security using LiquiSwap” in the 5th International Conference on Data Science and Applications (ICDSA 2024), 17th July 2024
3. Prof. Ujwala Ravale Published paper titled “Deepfake Detection using InceptionResNetV2 Mode” in the IEEE World Conference on Applied Intelligence and Computing (AIC 2024) on 27th July 2024..
4. Prof. Ujwala Ravale Presented paper titled “Adaptive Trust Based Secure Routing Protocol for Wireless” in the 5th International Conference On Computational Intelligence (ICCI 2024).
5. Prof. Ujwala Ravale Presented paper titled ”Enhancing Privacy in Digital Forensics through Cryptographic Techniques” in the International Conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T), 2025
6. Prof. Jyoti Baviskar published paper titled “Detecting and Mitigating Malicious TPAs in Cloud-Based Data Storage Through Public Auditing” in the 2024 Global Conference on Wireless and Optical Technologies (GCWOT).
7. Prof.Namrata Jiten patel Presented paper titled “Multilevel Access Control model for highly Scalable Cloud deployments with Contextual extensions” in the IEEE Global conference on Information Technologies and communications (GCITC) 25-26 October.
8. Prof Suvarna Chaure Published paper titled “Automated Assessment of Artefact Relevance Using Artefact Metadata and Correlated Timeline Events”. In the Cognitive Computing and Cyber Physical Systems. IC4S 2024. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 599. Springer.
9. Prof Suvarna Chaure Published paper titled “The Effect of Artificial Intelligence on Data Security Systems”. In the Cognitive Computing and Cyber Physical Systems. IC4S 2024. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 599. Springer.
10. Prof Suvarna Chaure Published paper titled “A Hybrid Deep Learning Model for Automated Cricket Commentary Generation” in the 024 IEEE 6th International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA), Hamburg, Germany, 2024

Journals:

1. Dr.Aparna Bannore and Dr.Arathi Boyanapalli published paper titled “Optimized Twin Attention based Deep Learning model for periodontal bone loss Detection” in International Journal of Information Technology and Decision making
2. Dr. Kalyani Pampattiwar published paper titled “A secure and scalable blockchain-based model for electronic health record management” in Scientific Reports, ISSN 20452322
3. Dr. Kalyani Pampattiwar published paper titled “Blockchain-based composite access control and secret sharing-based data distribution for security-aware deployments” in Scientific Reports, ISSN 20452322 International Journal of Information and Computer

Security, ISSN-1744-1773, Vol.25 No.3/4, pp.292 - 332 DOI: 10.1504/IJICS.2024.143920

4. Prof Ujwala Ravale published paper titled “Secure and efficient trust enabled routing using game theory and grey wolf optimization techniques” in IET Wireless Sensor Systems
5. Dr Aparna Bannore published paper titled “Academic Achievement Through Cooperative Learning: The Impact of the Jigsaw Method in The International Journal of Pedagogy and Curriculum
6. Prof Suvarna Chaure published paper titled “A Blockchain-Aided Privacy Preservation using Lattice Homomorphic Encryption for Digital Forensic Investigation” in International Journal of Information and Computer Security, Inderscience Publishers, 1744-1765
7. Dr Rizwana Siddiqui, Ujwala R, Sunil P published paper titled “Quasi Opposition-based Learning in Beluga Whale Optimization Feature Selection Approach for Diabetes prediction in IoT System in International Journal of Intelligent Engineering and Systems (IJIES)
8. Prof.Urvashi Patkar published a paper “Skin prediction and Health resource app” on Journal of Emerging Technologies and Innovative Research., ISSN UGC Approved (Journal No:63975) &Published in Volume 11 Issue 2, February-2024
9. Prof Rasika Malgi Published paper titled “An Innovative System Integrating Feature Extraction and KNN Algorithm.” in the International Journal of Creative Research Thoughts – IJCRT.
10. Prof.Urvashi Patkar published a paper”A Literature Survey on Drone and related Technologies” in Journal of Emerging Technologies and Innovative Research, ISSN UGC Approved (Journal No:63975) &Published in Volume 11 Issue 2, February-2024.
11. Prof Rasika Malgi Published paper titled “Music Plagiarism using machine learning.” in the International Journal of Creative Research Thoughts – IJCRT.

Patents:

1. Prof Suvarna Chaure published Patent titled “BIOMETRIC BASED DIGITAL CRIME EVIDENCE STORAGE DRIVE”
2. Dr. Aparna Bannore, Dr Arathi Boyanapalli published Patent titled “AUGMENTED REALITY APPLICATION FOR IMMERSIVE EXPLORATION OF HISTORICAL MONUMENTS”
3. Dr. Kalyani Pampattiwar,Ujwala Ravale,Namrata Patel,Kranti Bade published Patent titled “A secure interface for IoT devices enabled smart homes using blockchain

Academic/Technical achievements of students

1. Pawan Kamat, Shridhar Iyer and Alisha Fernandes from BE won 2 place in Research paper competition organized by CSI-VSIT.
2. Serin Kaushik, Devdatta Temgire, Dhiraj Shriyan from BE Won Best paper award at International Conference on Networking and communications 2024, SRM University. July 2024.
3. Rohan Ramkrishnan , Krishna and Tanishq from TE Secured third place for the business hackathon (Bootcamp) organized by SIESGST. on 19th Sep 2024.
4. Apurva Jadhav Vedant K Soham J from BE Won Second Prize in Cognition Organized by SIESGST on 23rd Oct 2024.
5. Nadaa Ahmed, Ashika Nadar Won Third prize in Debate Group B (Hindi or English) on 9th Sep 2024.

6. Saniya Nande, Nandana anil from BE Won first prize of Rs.30,000 in Anveshna Regional Level Project Competition January 2025.
7. Fardeen Sayed and Roshan Ajith fro SE Won first prize in Chakravyuha CTF competition organized by LT Collgeg of Engineering 21-23 Feb 2025
8. Pawan Kamat, Ahana Bobade fro BE Secured First Place in National Level Peoject Competition Organized by CSI SIESGST on Mar 29, 2025.
9. Harirajan M, Soham Kapse from TE Runner up of Hackathon Organized by Terna Engineering College, Nerul. March 2025
10. Krishnan Venkiteswaran, Sahil Brid and Vaibhav Kachare fro BE Won Texter national Level Paper Presentation Competition, Organized by IETE SIES GST March 2025.

Sports achievement:

1. Adhya Viju from TE secured First place in Inter Zonal Badminton Tournament , Thane Zone on 4th September 2024. On 4th Sep 2024.
2. Purva Ambre from BE Runner up at inter collegiate Badminton tournament women , University of Mumbai 15th Sep 2024.
3. Aryan Chalke from BE Secured 2nd position in the field of Volleyball at VJTI, Mumbai Dec 2024.
4. Sanjana Mohite Winner of Intercollegiate Women Kabbadi Tournament at Agnel School of Law, Vashi 1st April 2025.
5. Sanjana Mohite, Divya Jadhav from BE, SE Winner of Intercollegiate Relay Race Competition held at Terna Engineering College Nerul on 1st April 2025.

Cultural Achievement:

1. Nada Ahmad from SE Secured Third Rank in 17th National Youth Parliament Competition Organized by Ministry of Parliamentary Affairs Mumbai on 4th May 2025.

Technical Activities:

Project Competition: Cognition 2024 was conducted on 21/09/2024

The internal SIH hackathon was conducted on 30/082024.

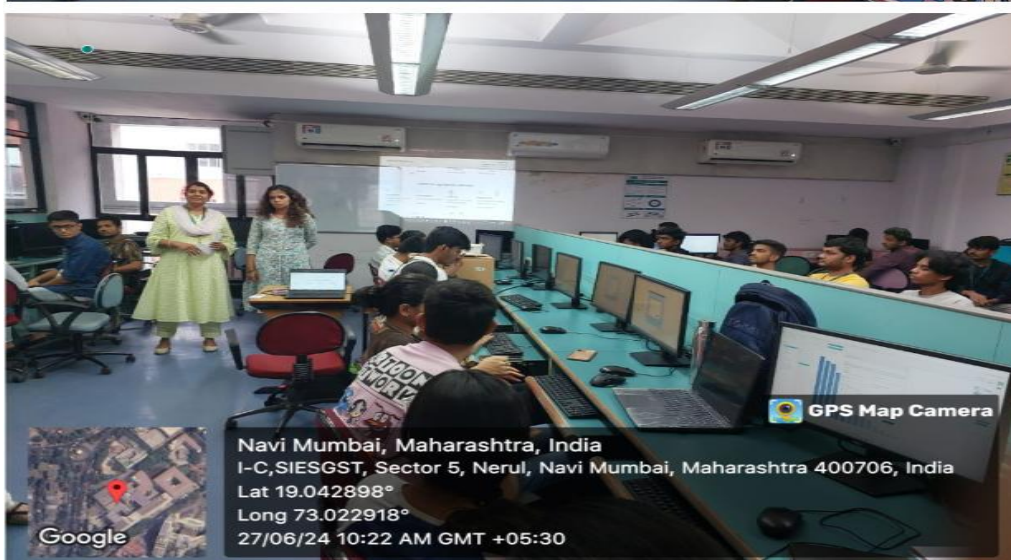
Web development competition Enigma was conducted on 28/01/2025 and 29/01/2025.

National Level Project Competition: Innovation was organized on 29/03/2025.

STTP- ISTE approved STTP on Generative AI was held from 9.12.2024 to 14.12.2024.

SDP: Four value added courses were conducted for the academic year 2024-2025.

1. Value added course on Data visualization for Data science for the students of SE/TE/BE was conducted from 26 June to 1 July 2024.



2. Value added course on Ethical hacking and Digital forensics was conducted for the students of SE/TE/BE from 26 June to 1 July 2024
3. Value added course on “Generative AI” was conducted for the students of SE/TE/BE from 6 Jan to 11 Jan 2025.



4. Value added course on Modern Development Stack: React, MongoDB, Express.js, and Android Essentials was conducted for the students of SE/TE/BE from 6 Jan to 11 Jan 2025.



Doctoral Degrees:

Prof. Namrata Patel was awarded with Ph.D. (Technology) for her research work titled "Unified trust model for Privacy aware management in heterogeneous Network". She also secured runner up position in Ph.D. Symposium conducted by the University of Mumbai.

Research Grants:

Seminars/Workshops organized/attended by Faculty of GST

1. To bridge the industry gap in "Software Engineering – Industry Perspective Case Study", an expert session was conducted on **5th August 2024** by **Mr. Vishal Kumar Soni from ACL Digital**.
2. Addressing the gap in "Demystifying Networking", an expert session was held on **4th September 2024** by **Mr. Vaibhav Dhande from Change Networks**.
3. To cover the academic gap in "Data Structures and Algorithms", a practical-based experiment session was conducted on **2nd August 2024** by **Mr. Samprit Chaurasia, Software Engineer at Cimpres India**.
4. An expert session on "Technologies for Industry 4.0" was organized on **7th August 2024**, led by **Mr. Umesh Mahind from LexisNexis Risk Solutions and Relax Group, Mumbai**.
5. A session on the "Role of Java in the IT Industry" was delivered by **Mrs. Vidya Futak, Seed Infotech, Thane** on **31st July 2024**.
6. A workshop on "The Future of Data Engineering, Machine Learning, and Data Science in Industries" was conducted on **2nd September 2024** by **Dr. Smita Bhoir, Team Lead & Project Manager at Morningstar, Mumbai**.
7. A career-oriented expert session on "How to Choose Indian Air Force as a Career Path" was held on **28th August 2024** by **Amogh Ghole, Flight Lieutenant in the Indian Air Force**.
8. Expert session conducted on **8th August 2024**, **Dr. Santosh Rane** on "Research Paper Writing and Publications".
9. An "Innovative Project Idea Workshop" was conducted on **26th July 2024** by **Mr. Varun Sondur, Software Developer at FYNDNA TechCorp Pvt. Ltd.**
10. A session on "Exploring AI-Enhanced NLP: Techniques and Use Cases" was held on **2nd August 2024** by **Mr. Bhavesh Wallecha, Associate Data Scientist**.
11. An expert session titled "Unlock the Future: GATE 2025 Preparations and Opportunities" was delivered by **Mr. Atharva Vaidya (2018–22 CE alumni, M.Tech from IIT Kharagpur)** on **12th July 2024**.
12. Expert session conducted on **25th September 2024**, **Mr. Anurath Mane from 3i Infotech Ltd. (Morgan Stanley)** on topic "Java in Industry".
13. A session on "Crack the Code: Strategies for Securing Top Placements" was held on **3rd August 2024** by **Mr. Sandesh Dalvi, App Developer (SDE) at Flipkart**.
14. **Mr. Ashish Bhoir** conducted an expert session on "Database Management System" on **21st March 2025**.

15. Expert session conducted on **17th March 2025**, topic "Virtualization in Distributed Computing" by **Mr. Rakesh Varade, Infrastructure Modernisation Specialist at Google**.
16. A session on "Mobile Security" was delivered by **Dr. Gaurav Sharma from Meta Infotech Pvt. Ltd. on 17th February 2025..**
17. Expert session on "The Power of Docker and Kubernetes" conducted by **Mr. Shubham Manjarekar, DevOps Engineer, on 4th March 2025.**
18. Expert session conducted on **12th March 2025**, **Mr. Mritunjay Pandey** on topic "Quantitative Analysis".
19. An expert lecture on "Microprocessor and Embedded Systems" was organized on **20th March 2025** by **Mr. Shyam Adsul from TCS.**
20. A session on "Advancement in SPCC" was conducted by **Mr. Ojas Dedhiya on 5th March 2025.**
21. Industrial visit conducted at Indian Meteorological department, Colaba on Jan 14, 2025 for SECE students.
22. Industrial visit at SPIT Idea lab organized on Feb 12, 2025 for SECE students.
23. Industrial visit organized in CDAC Kharghar on March 6, 2025, for TECE students.

Co-Curricular Activities

Alumni Activities:

1. **Mr. Shreemun Pranav**, Senior Developer, CMA CGM, and **Mr. Sridhar Ravi Mani** (Software Engineer, Gerent, Mumbai) evaluated mini and major projects as project examiners on **25th April 2025.**
2. **Ms. Khushi Kapoor**, Application Developer, TCS, **Ms. Thirukarthika Murugan**, AI/ML Engineer, HTC Global Services, and **Mr. Abhishek Tiwari**, Co-founder and CTO, Karma Law, were invited as judges for the Innovations'25 National Level Project Competition conducted on **29th March 2025.**
3. **Mr. Ashish Bhoir**, Software Consultant at Dark Horse Digital Solutions, conducted an expert session on **industry trends in database management systems** on **21st March 2025.**
4. **Ms. Dhanashree Joshi**, a Product Owner and Developer at Nvent Thermal Pvt. Ltd., was part of the **BOS Syllabus Approval Meeting** held on **1st March 2025.**
5. **Mr. Faizan Kalam**, Cyber Security Trainer, Virtual Cyber Labs and **Mr. M. Ganeshraman Pillai**, Internship Coordinator, CodScripto, were invited as expert evaluators in **Enigma 3.0 – WEBVERSE national level competition** on **28th January 2025.**
6. **Mr. Shabarish Ramaswamy**, Full Stack Developer and AI Ethics Enthusiast, ConnectWise, conducted an expert session on the **Modern Development Stack (React, MongoDB, Express.js, Android Essentials)** as part of the value-added course organized from **6th to 11th January 2025.**
7. **Mr. Rohan Sawant**, Founder & CEO of Ionio, conducted an expert session on **Generative AI** as part of the value-added course organized from **6th to 11th January 2025.**

8. **Mr. Shreemun Pranav** and **Mr. Sridhar Ravi Mani** served as examiners for **mini and major projects** on **28th October 2024**.
9. **Mr. Pradyumna Bapat**, Product Designer, Loginext, and **Mr. Anandtheerth Rao**, Full Stack Developer, Nvent Thermal Pvt. Ltd., were invited as judges in the **Cognition 2024 Project Presentation Competition** on **21st September 2024**.
10. **Mr. Amogh Gokhale**, Flight Lieutenant in the Indian Air Force, conducted an expert session on **career options in the Air Force** on **28th August 2024**.
11. **Mr. Sandesh Dalvi**, App Developer at Flipkart, led an expert session titled **Crack the Code: Strategies for Securing Top Placements** on **3rd August 2024**.
12. **Mr. Samprit Chaurasia**, Software Engineer at Cimpress India, delivered an expert session on **Data Structures and Algorithms** on **2nd August 2024**.
13. **Mr. Varun Sondur**, Software Developer at FYNDNA TechCorp Pvt. Ltd., conducted a **Workshop on IoT** on **26th July 2024**.





Atal FDP ,Don Bosco Institute of Technology,Kurla



BOS Meeting



Industrial Visit to CDAC, Kharghar, Navi Mumbai

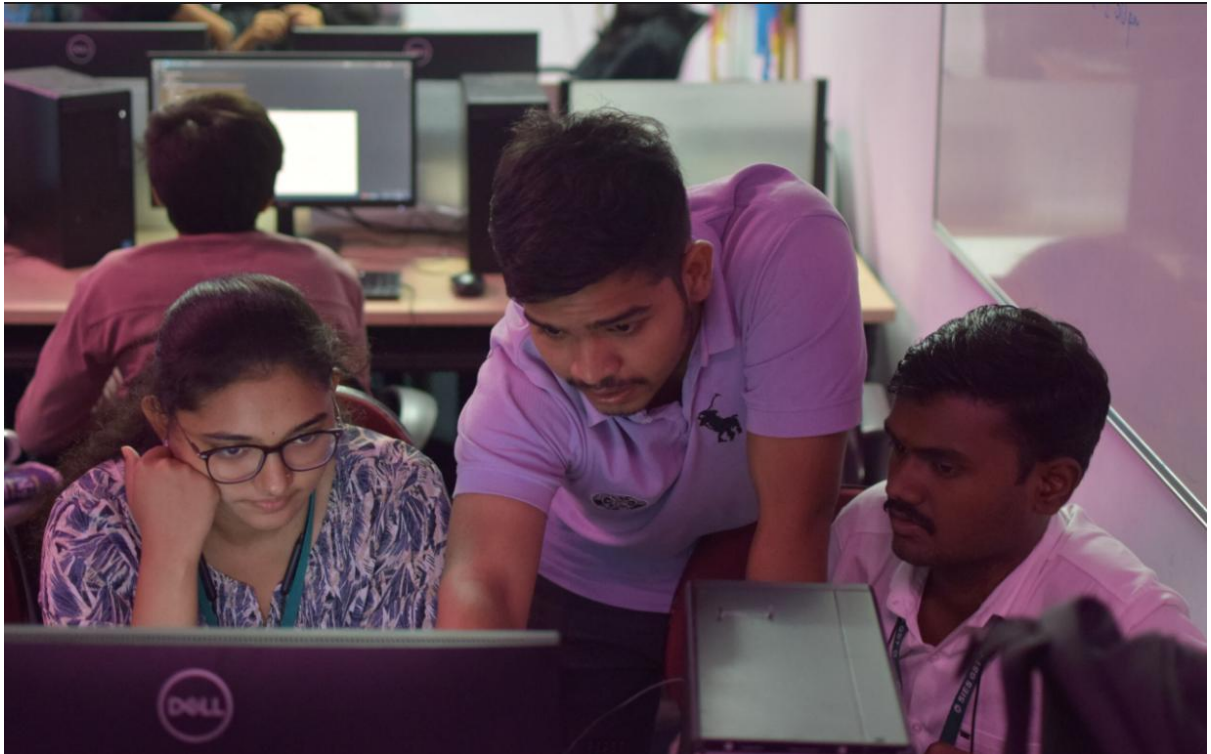


techXter paper presentation competition by IETE



Outreach Activity under CSI taken place in SIES Matunga School







Cognition Project Competition



Runner up at inter collegiate badminton tournament women, University of Mumbai





Serin Kaushik, Devdatta temgire, Vaibhav Kachare,,Dheeraj Shriyan won best paper award at ICNWC 2024 conference



Sanvi Nande and Nandana from BE won 'Anveshana' Competition.



First prize in 24 hr. Tynet 2025 International Girls Hackathon at D.Y. Patil University.



Second Prize, Innov8 2025- 24 hr. hackathon at Terana College of Engineering



Industrial Visit in IMD



Workshop on “Research & Innovation” conducted by Dr. Kiran Bhole