SIES GRADUATE SCHOOL OF TECHNOLOGY, NERUL, NAVI MUMBAI

ANNUAL REPORT FOR THE YEAR 2023-24

About Institute:

The SIES Graduate School of Technology has come of age with its 18th 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)

List of University Merit Rankers of 2023-24 Examination:

Rank	Name	Degree

Collaboration (MoUs and other extraordinary achievements)

Computer department signed 03 New MoU's with following industries
1)ILM UX Pvt ltd.
2)Impact Global digital solutions
3)Pods Technology
Duration: One year for final-year projects

Institutional Social Responsibility (ISR)

- Prof. Namrata Jiten Patel, Prof. Pooja Bhise, Prof. Sneha Tapre conducted hands-on training in web designing course from 25th Aug 2022 to 28th Feb 2023 for ISR students.

Initiatives:

- Prof.Suvarna Chaure will be acting as CO-Chair for the IEEE conference "" scheduled in December 2024.
- Establishment of CoE for Data science. Industry expert guest lecture is arranged for final year BE students in July 2023
- Faculty members have designed and developed MOOC courses in all the four quadrants using open-source platforms which includes following MOOC courses are completed.

Academic/Technical achievements of faculties

- Dr. Aparna Bannore, "Security of Medical Internet of Things(MioT) A Bibliometric Analysis", Journal of Engineering Science and Technology Review 16(3) 2023 181-190.
- Prof. Suvarna Chaure Paper published in Scopus indexed journal, "Digital Forensic Framework for Protecting Data Privacy during Investigation". EAI Endorsed Scal Inf Syst [Internet]. 2023 Sep. 27 [cited 2023 Oct. 4].
- Prof Kalyani Pampattiwar & Chavan, Pallavi . (2022) published a paper CBSOACH: design of an efficient consortium blockchain-based selective ownership and access control model with vulnerability resistance using hybrid decision engine. International Journal of Computational Science and Engineering. 1. 1 10.1504/IJCSE.2022.10050702. (eSCI).
- Prof. Anindita Khade received Best paper Award for the paper A hybrid model for predicting COPD using CNN in CACCT 2023 conducted on 5th-6th May 2023.

- Prof. Masooda Modak published a paper titled "Design of a Deep-Learning Model to Improve Learning Capabilities of LD Children via Statistical Modelling of Examination Behavioral Patterns" in IJMECS Vol. 15, No. 3, Jun. 2023, ISSN: 2075-0161.
- Prof. Masooda Modak published a paper titled "Design of a Deep-Learning Model to Improve Learning Capabilities of LD Children via Statistical Modelling of Examination Behavioral Patterns" in IJMECS Vol. 15, No. 3, Jun. 2023, ISSN: 2075-0161.
- Prof. Masooda Modak published a paper "Adaptive learning and Correlative assessment of differential usage patterns for students with-or-without learning disabilities via learning analytics" in journal of CM Transactions on Asian and Low-Resource Language Information Processing
- Prof. Kalyani Pampattiwar, Prof. Masooda Modak, and Prof. Namrata Patel published a paper titled "Secure Query Processing of Outsourced data Using Privacy Homomorphism" in an international multidisciplinary half yearly research journal Galaxy Link.
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- Prof. Suvarna Chaure presented a paper "Emotion based song Recommendation system" in ICACITE 2023.
- Dr. Rizwana Shaikh presented a paper on "Automated Front-End code generation using Deep Learning" in ICREACT 2023.

- Dr. Rizwana Shaikh presented a paper on "Web -Development Learning platform with Project based Appraoach" in ICREACT 2023.

- Dr. Rizwana Shaikh presented a paper on "Whatsapp Analyzer" in ICREACT 2023.
- Submitted article for CSI magazine on "Malware Analysis", Kalyani Pampattiwar, Namrata Patel and Masooda Modak.
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- Dr. Rizwana Shaikh published a paper titled " AI Shopper E-commerce App with AI voice Assistant" in IJCRT.

- Prof. Rina Bora presented a paper "Soybean leaf disease detection using Deep Learning" at the 3rd International Conferece on Advanced Computing Technologies and Applications 2023(ICACTA), organized by D. J, Sanghvi College of Engineering on 6th October 2023.

- Prof. Arathi Boyanapalli, published a paper "Leafine: Plant disease detection application" in Journal of Emerging Technologies and Innovative Research. ·

- Prof. Namrata Patel published a paper "Bioinspired FHE model with recursive revokable selective access control for attribute-based privacy preservation" in Int. j. inf. tecnol. (2023).
- Prof. Arathi Boyanapalli, published a paper "Hand Gesture Control System using Open CV" in Journal of IJISRT.

- Prof. Kalyani Pampattiwar,Prof. Masooda Modak, Prof. Namrata Patel published a paper titled" A Survey: Agricultural supply Chain Management & Land registration Using Block Chain" at the 6 th IEEE International Conference on Advances in Science & Technology organized by K.J. Somaiya Institute of Technology, Mumbai.

- Prof. Masooda Modak published a paper "Adaptive learning and Correlative assessment of differential usage patterns for students with-or-without learning disabilities via learning analytics" at ACM Transactions on Asian and Low-Resource Language Information Processing Volume 22 Issue 12 on 19 December 2023.

- Prof. Sunil K Punjabi Published Book "Finance Management- Final Year B.E. Degree Course Common for all Branches" by Nirali Prakashan. ISBN : 978-93-5451-963-5.
- Prof. Sunil K Punjabi Published Book "WEB X.0- Third Year T.E. Degree Course in Information Technology Branch" by Nirali Prakashan. ISBN : 978-81-19115-19-8.
- Prof Kalyani Pampattiwar & Chavan, P. (2023) published a Elsevier Book chapter, Security and privacy facets of electronic health record. In Unleashing the Potentials of Blockchain Technology for Healthcare Industries (pp. 59-75). Academic Press.

- Dr. Rizwana Siddiqui attended as a Program Committee Member in the 3rd International Conference on Data Science & Big Data Analytics (IDBA-ACMWIR 2023 held on 16th - 17th June.

- Prof. Anindita Khade published Book on Probabilistic Graphical Models under Techknowledge Publications ISBN:978-93-5563-441-2.

- Copyright is granted on "opencv based virtual quiz" to Prof. Kalyani Pampattiwar.

- Copyright received on "Swarm Optimization based CUCKOO SEARCH ALGORITHM for DETECTION of CKD and Diskless Booting: A Hybrid Computing Technology "to Prof.Anindita Khade.

Academic/Technical achievements of students

- Siddhesh Khandagale, Madhavan Naikar,Saahil shaikh, Vedant Jadhav,Arathi B.,published paper "SECURELY-Golang CLI Tool for Secure File Sharing with Shamirs's Secret Sharing Scheme",IEEE International conference on Bloackchain and Distributed Systems Security(ICBDS) in 2023

- Paper titled "A SURVEY: BLOCKCHAIN ENABLED LAND REGISTRATION AND AGRICULTURAL SUPPLY CHAIN MANAGEMENT" selected at ICRMIR-2023 of final year students. The authors are- Kalyani Pampattiwar, Suhasini Konar, Shreya Mhaske and Monish Rakesh.

- Varun Shinde, Rishikesh Gharat, Shrutisree V. & Aayushi K. completed and presented an internship project by the National Informatics Centre.

- Dheeraj Shriyan from CE SE D participated in Team Turbo Crafter.

- Rohan Wandre (CE) and participated in National level hackathon at M.H. Saboo Siddik College amongst 500 teams and Team Debuggers has made it to the Top 5. The hackathon was on 18th-19th March.

- Varun sondur and Sahil Shaikh from TECE won Encouragement Award of cash prize Rs.5000 at Anveshna Science Fair 2023.

- Sushant bhat and Team participated in Anveshna Science Fair 2023 · Gauri Krishnamurthy and Nipun Magi won prize in Texter Paper presentation Competition.

- Jayaram Iyer and Apurv Jadhav from SECE won the 2nd prize in Bytecamp 2023 , SIESGST annual hackathon.

- K gauri Krishnamuthi ,Kunal Soni and Nipun were runner up for Innovations 2023.

- Kalyani Pampattiwar, Suhasini Konar, Shreya Mhaske and Monish Rakesh presented a Paper titled "A SURVEY: BLOCKCHAIN ENABLED LAND REGISTRATION AND AGRICULTURAL SUPPLY CHAIN MANAGEMENT" at Lokmanya Tilak College of Engg. in ICRMIR-2023.
- Akanksha Bhat, Anushika Bala and Ishita Bharava along with Dr. Aparna Bannore presented a research paper titled "Smart traffic light system" in ICIMRI, LTCE, Mumbai.
- Shinit Shetty, Anushka and Sanskriti bagged third prize at D.J. Sanghavi National level project presentation competition on "Detection of cervical spinal fracture using deep learning"
- Rishikesh Gharat and group presented a paper titled "CV Classification" at ICIMRI, LTCE, Mumbai.
- Jatin Iyer, Sridhar Iyer, vasu and Venkateshwar Mani received best paper award in ICREACT 2023 at SRM for their paper kacharabot: The autonomous garbage collection rover.
- Sucharya Deshmukh , Gaurav Jadhav , Bhumika Mhatre , Nachiket More, Rizwana Shaikh published a paper "Decentralized File Sharing using Blockchain Empowering Peer-to-Peer Collaboration: The Rise of Decentralized File Sharing" in International Journal Of Engineering Research & Technology.
- Aishwarya V, Kaushik S, Manish R, and Dr. Rizwana Shaikh presented a paper on "Automated Front-End code generation using Deep Learning" in ICREACT 2023.
- Mansi Kore, Sahil Vangari, Hitesh Reddy, Ajinkya Patil and Dr. Rizwan Shaikh published a paper titled "AI Shopper E-commerce App with AI voice Assistant" in IJCRT .
- Rohan Wandre TE-CE and team participated in the S.P.I.T hackathon and secured the position among the top 10 for the problem statement "Marathon organizer for Rotaract club".

Sports achievement:

- Purva AmbreTE CE secured runner-up position in intercollegiate badminton tournament conducted by Mumbai University.
- Varada Nakhate CETE C, Nishant Katpalia CETE C, Varun Sondur CETE D TE and Pranav Nadar SE Comps participated in ViT- Mumbai inter-college table tennis Sports competition.
- Shivam Ashtikar, Arrham and Manav from SECE C participated in ViT- Mumbai inter-college football Sports competition.
- Abhiram Nair from SE CE and Aaryan Chalke from TE CE participated in volleyball intercollege competition at the University level and secured a 3rd position.

Cultural Achievement:

- Tanvi Hirlekar from SECE secured a First Rank in Solo Event classical Instrument in the 56th Inter Collegiate Youth Festival 2023-24 Zonal.
- Madhavan Naikar from BE CE secured 3rd Place in English Elocution Competition in Youth Festival by MU in Mumbai Zone 2

Technical Activities:

- Prof. Ujwala Rawale and Prof. Poonam Jadhav organized a Guest lecture on "Data science and Visualization using Python" by Mr. Yogesh Murmurkar, Bharat Soft Solutions Pvt. Ltd. Pune on 2nd March 2023.

- National level project competition INNOVATIONS 2023 was held on 08/04/23.
- Kavach internal hackathon was held on 11 April 2023.

- Prof. Anindita Khade (CSI-SBC) along with teams organized Innovations 2023, Chief guest Mr. Manoj K Jain, Dy.Gen manager, IT Yolo SBI and three judges from the Industry for nealy 40 teams of participants.

- Prof. Ujwala Rawale organized guest lecture cum alumni interaction on 5th April 2023 on Effective Problem Solving Strategies by Zainab Bubere, from nvent organization working as a software developer.

STTP

- Dr. Varsha Patil and Prof. Rina Bora organized a "An approved one-week STTP on Augmented Reality/Virtual Reality" from 19 Jun to 24 Jun 2023.

SDP

- Prof. Kalyani Pampattiwar and Prof. Suvarna Chaure conducted SDP on Ethical hacking and digital forensics from 26 Jun to 1 Jul 2023.
- Prof. Kranti Bade and Prof. Namrata Patel conducted SDP on web technologies organized by Computer science and IOT department for second year students.
- Prof. Arathi B. and Prof. Ujwala Rawale conducted a SDP on Data Visualization for Data Science from 26 Jun to 1 Jul 2023.
- **Prof.Sujata Kamble,Prof.Prachi B,Prof.Ujwala R conducted value added course** Value added course, skillful Success: A Roadmap to Excelling in Technical and Communication skill for placements from 02 January 2024 to 06/01/24.
- Prof. Arathi B conducted value added course on Devops 02 January 2024 to 06/01/24.

- Prof.Namrata Patel and Prof.Sunil K punjabi conducted value added course on Monbile and web app development from 02 January 2024 to 06/01/24.

Doctoral Degrees:

- Prof Anandita Khade completed PhD "A Novel Approach for Early Prediction of Chronic Kidney Disease using Non Invasive Techniques for Indian Population"
- Prof Kalyani Pampattiwar completed PhD (Computer Engineering) on "Design and Implementation of Ownership Transfer and Access Control Mechanism using Intelligent Blockchain Sharding"
- Prof. Arathi Boyanapalli completed PhD (Computer Engineering), on "Ovarian Cancer Detection and Classification using Deep Learning Techniques"
- Prof.Jyoti Chavan completed Ph.D. (Computer Engineering) 31st July 2023 ,title "Optimization and improvement of offensive language Detection using language models in Dravidian languages ", from Shri Jagdishprasad Jhabarmal Tibrewala University, Rajasthan.

Research Grants Applied :

Dr. Rizwana Siddhiqui, Masooda Modak, Ujwala Ravale has submitted minor research proposal on "Enhancement of crop production using AI based soil monitoring and recommendation system"

Dr.Aparna Bannore, Arathi Boyanapalli, Urvashi Patkar, Anindita Khade submitted minor research proposal on "Detection of leaf diseases in sugarcane crop using deep learning techniques".

Patents

Prof. Suvarna Chaure, Prof.Prachi Shahane and Prof.Sunil K Punjabi has received patent granted –a low density polyethylene (LDPE) sorting system

Prof.Arathi B filed a patent title "Device to detect Ovarian Cancer".

Dr.Rizwana Shaikh filed patent tilted "An Ameliorated Electronic mail management system"

Prof. Anindita Khade filed patent titled "A chronic Kidney Disease Detection Device"

Masooda Modak filed patent titled " Smart Desk to Identify Learning Disabilities"

Seminars/Workshops organized/attended by Faculty of GST

- Prof. Kalyani Pampattiwar attended STTP on Digital forensics lab from 8 Feb to 10 Feb 2023 by Shah & Anchor Kutchhi Engg College.

- Prof. Urvashi P, Prof. Ujawala R, Prof. Arathi B. attended 2 days workshop on Business Intelligence using Power BI on 11th and 12th March 2023.

- Prof. Aarathi B. & Prof. Ujawala Rawale, attended 2 days workshop on Data Visualization with Tableau on 18th and 19th March 2023.

- Prof. Arathi Boyanapalli has completed 6 weeks(60 hours) live online Industrial training on Machine Learning and Artificial Intelligence from 22 May to 30 Jun 2023 by Edulakes Solutions LLP In Association with NSS- IIT Roorkee.

- Prof. Kalyani Pampattiwar, Prof. Poonam Jadhav and Ujwala Rawale attended ISTE-approved STTP on Security for IT- OT at RAIT from 26 Jun to 1 Jul 2023.

- Prof. Ujwala Rawale completed "Introduction to Cybersecurity" by Cisco on 28 June 2023.

- Prof. Poonam Jadhav attended a one-week national level capacity building programme on cybersecurity and forensics sponsored by IEEE Bombay organized by K J Somaiya and RAIT from 19 Jun to 24 Jun 2023.

- Dr Aparna Bannore, Dr Rizwana Siddiqui, Dr Varsha Patil, Prof. Rina Bora, Prof. Kalyani Pampattiwar, Prof. Masooda, Prof. Namrata, Prof. Poonam, Prof. Anindita, Prof. Kranti, Prof. Suvarna, Prof. Prachi, Prof. Urvashi, Prof. Sunil Panjabi, Prof. Ujwala attended "ISTE approved one-week STTP on Augmented Reality/Virtual Reality" from 19 Jun to 24 Jun 2023.

- Prof. Rina Bora organized a seminar on ""How to prepare for Internship opportunities" for CE SE students on 26/08/2023 by Mr. Sandesh Dalvi (alumni) Software Developer, NVENT.

- Prof. Rizwana Shaikh participated as Program Committee member of 3 rd International Conference on International conference on Information & Communication Technology(ICTBIG-2023),organized by Symbiosis University of Applied Sciences, Indore, held during 8 th & 9 th December.

- Prof. Rina Bora, Prof. Arathi B. and Prof. Masooda Modak arranged a guest lecture "Trends in Artificial Intelligence and Data Science" for TE and BE students on 15 Feb 2023.

Humanities & Applied Science Department:

Co-Curricular Activities

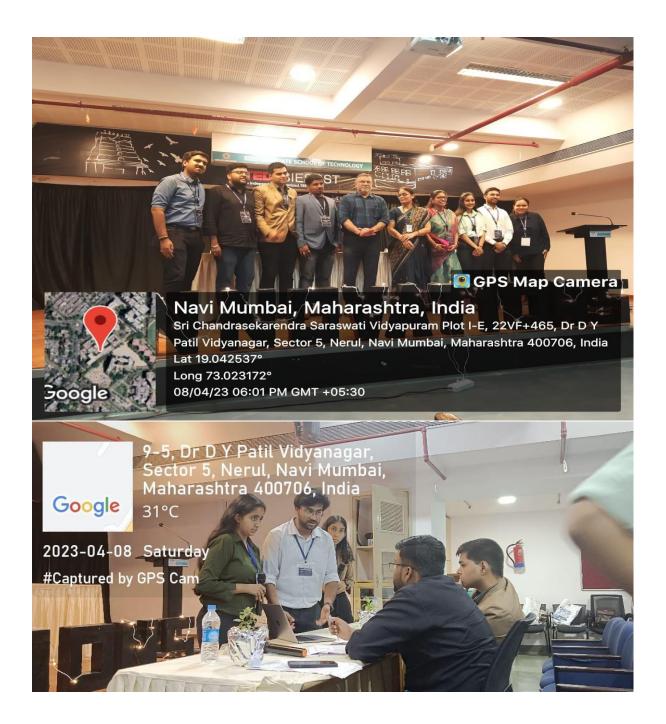- Industrial visit to Institute of Forensic Science, Pune on 28/02/2023.

- Samyak Badkul of BE CE has carried out project work in B.A.R.C. from 15th Jun 2023 to 1st Aug 2023.

- Mrunmayee of BE CE has completed an internship in Capgemini from 1st Jun 2023 to 31st Jul 2023 and worked on projects automation of compliance data and grc framework.

- Nishant Kathpalia of BE CE worked as AWS Certified Cloud Practitioner, Introduction to Gitops (The Linux Foundation, Cloud Architect at Hackveda (Internship)(April - June 2023), Data science and Business Analytics intern at The Sparks Foundation (June - July 2023)

- Aahana Bobade of TE CE has completed internship for 1 month in Laser Technologies Pvt. Ltd, Rabale. worked in the backend of a website.

- Dhruv Shetty, Devdatta Temgire and Priyanka Patil successfully completed NIC , Mantralaya project S3WaaS Secure, Scalable & Sugamya Website as a Service.

- Internal Hackathon was conducted on 15th sept 2023 . Total 77 students from CE have participated in this hackathon. Two teams have selected problem statements in hardware category and nominated for SIH. Other teams have attempted PS in software category, team Paralegal has ranked first consisting of students from BE CE Pratham Yashwante, Yash Patil, Vishakha Chaudhary, Sucharya Deshmukh and Devesh Shetty.

- STEM Masters conclave conducted by CSI SIESGST by 6 Universities on 14th September 2023 (Columbia University, NYU-Tandon School of Engineering, Boston University, GW University, Loyola Marymount University, and Worcester Polytechnic Institute)

Women's Development cell activities:

Alumni Activities:

- Expert session on "Developing Analytical Skills" by Prashant Singh (2012-2016) on

- Organized guest lecture cum alumni interaction on 5th April 2023 on Effective Problem Solving Strategies by Zainab Bubere, from event organization working as a software developer.

- Innovations 2023 National level project competition judged by Sridhar Ravi mani(2019 batch) alumni.

- Mr. Shabrish 2017-21 batch working as Software Developer in Connectwise conducted a session on developing Node JS Applications in SDP on 30 Jun 2023.

- Pooja Rao 2012-16 batch Working as Learning and Development Specialist in TCS conducted a session in SDP organized by IT dept on 30 Jun 2023 in SDP.

- Mr. Sandesh Dalvi conducted a seminar on "How to prepare for Internship opportunities" for CE SE students on 26/08/2023.

- Sabrish Ramaswamy has conducted a session on "Web applications" in Value added course, skilful Success: A Roadmap to Excelling in Technical and Communication skill for placements.

- Abubakkar Wasim has conducted a session on "DSA Programming" in Value added course, skilful Success: A Roadmap to Excelling in Technical and Communication skill for placements in January 2024.

- Zainab Burbure has conducted session on "Competitive coding" in Value added course, skillful Success: A Roadmap to Excelling in Technical and Communication skill for placements in January 2024.

- Mr.Anirudh Belwadi working as software engineer in Reliance Jio conducted a session in value added course "Web and Mobile applications development" in January 2024.

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9-5, Dr D Y Patil Vidyanagar, Sector 5, Nerul, Navi Mumbai, Maharashtra 400706, India
31°C
2023-04-08 Saturday
#Captured by GPS Cam

Innovation 2023-2024

Enigma 2023-2024