

SIES GRADUATE SCHOOL OF TECHNOLOGY, NERUL, NAVI MUMBAI

ELECTRONICS AND TELECOMMUNICATION DEPARTMENT

ANNUAL REPORT (April 2025 to May 2026)

Collaborations (MoU & other extra ordinary achievements)

- Signed MoU with BSNL Pune on 9/11/2025.

Achievements:

- Techopedia-14 a technical event organized and conducted during 18/9/2025 to 20/9/2025. Under this four event Squabble , Inquisitive ,Warlash 3.0 and Eureka were conducted.



- Cognition-2025 a Project Exhibition Competition was conducted on 20/9/2025.
- The IEEE Computer Society Chapter at SIES Graduate School of Technology (SIESGST) organized EPSILON 2026 during 12/02/2026 to 15/02/2026. It is three-day international symposium, setting the tone for a series of technical sessions, workshops, and panel discussions.



- Organized FDP on “Next Gen Teaching: Harnessing AI for Learning and Creativity” by Industry Expert by Mr. Sadiq Shaikh ,senior Data analyst, Fame Keeda on 3/1/2026.



Students Achievements:

Technical:

- Total 17 students presented and published papers in IEEE Explore and Journals like ICETI4T ,IJIRCCE ,WJARR etc.
- Mr. Advait Varma, Chetana Dhongade, Atharva Hadawale, and Shubham Jadhav received the best paper award in ICE4IT IEEE Conference held at SIESGST, Nerul in June 2025.
- Prasad Arekar, Kinnari Desai, Latika Dekate, Nijesh Nair Published and registered design Patent on, "MULTILAYER MICROSTRIP AERIAL TRANSMITTER RECEPTOR FOR WIFI APPLICATIONS" in December 2025.
- 20 Students from SE,TE and BE were the winner of Cognition project competition which was held in September 2025.
- Ms.Tanmeet Kaur ,BE student ,Mr. Mukul Wani ,Mr.Pravin Shukla and ms. Rajlekha Bhaumik from Third year students attended SPS seasonal school organized by IEEE Gujrat section at Symbiosis International University , Pune during 27-1-2026 to 31-1-2026.

- Mr. Krish Yagnik, Mr. Dhruv Suvarna, Ms. Purna Sharma and Mr. Rohit Sharma attended and participated in CIIA 5 project Presentation at Nehru center, Worli during 5/2/2026 to 7/2/2026.
- Mr. Mukul Wani, third year student and group participated in e-Yantra Innovation challenge 2025-26 organized by IIT Bombay on 27/3/2026 and selected as one of the 16 finalist for the project titled "PashuPshak".
- Apurva Rahate, Mayuresh abhag, Kaiwalya Wankhede, Prathamesh Tarale Presented Paper in IEEE Conference "International Conference on Sustainable and Futuristic Technologies 2026" held at Marathwada Mitra Mandal's College of Engineering, Karvenagar, Pune on 25.04.2026.



Internships:

- Total 45 **internship and training engagements** were reported by SE, TE, and BE students across diverse domains including **AI/ML, cybersecurity, embedded systems, software development, graphic design, UI/UX, and content development**, with opportunities offered by **industry, research organizations, and training platforms**.
- Total 102 students participated in SIH, Cognition, Avishkar competitions and done different Certification courses.

Sports:

- Mr. Harsh Warghantiwar from third year was won the University's Winner Volleyball Tournament in Oct 2025, Ms. Shreya Patil from third year Secured 3rd place in badminton Mumbai university competition held in September 2025, Mr. Yadnesh Patil Participated in University games-football December 2025 and Umair Khan Participated in University games-football December 2025.
- Mr. Apurva Rahate and team won SIES MBA CRICKET TURNAMENT in April 2026.



Value Added Courses:

- Pranavi Nikam and Dr. Preeti Hemnani Value added course on Design and realization of digital system on FPGA platform using Verilog during 8/12/2025 to 12/12/2025,
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Result Analysis:

For SH2025

SR. NO.	PASSING PERCENTAGE	
1	SECOND YEAR (S.E)	82.43%
2	THIRD YEAR (T.E)	82.26 %
3	FINAL YEAR (B.E)	88.89 %

Placement Data:

Sr. No.	Name of Student	Company Name
1	Aryan Thakur	LTIMindtree
2	Gouri Huilgol	Capgemini
3	Nihal Shetty	NielsenIQ
4	Vedant Bhosale	LTIMindtree
5	Krish Yagyik	CHANGE Networks Private Limited
6	Umair Khan	Jaro Education
7	Bhakti Bhanushali	TATA Consultancy Services (TCS)

Faculty Achievements:

- Prof. Vandana Sawant Published Design **Patent on** , "MULTILAYER MICROSTRIP AERIAL TRANSMITTER RECEPTOR FOR WIFI APPLICATIONS" in December 2025.
- **Total 10 papers** published .Out of that 3 papers published through conference and 7 in reputed journals.

Journal papers:

1. **Dr. Preeti Hemnani** published a paper “Predicting AI job market dynamics: a data mining approach to machine learning career trends on Glassdoor” in International Journal on Smart Sensing and Intelligent Systems (**SCI indexed**) on 3/7/2025 .
2. **Dr. Preeti Hemnani** published a paper “Optimizing Text Summarization and Content Tagging: Benchmarking the Performance of Large Language Models against Domain Specialized Architectures” in INTERNATIONAL JOURNAL of FUZZY LOGIC and INTELLIGENT SYSTEMS,**Scopus** indexed journal on 3/10/2025.
3. **Prof. Shyamala Mathi** published a paper “Integrating transfer learning with scalogram analysis for blood pressure estimation from PPG signals” in **Scopus Q1** Scientific Reports(Springer Nature) on 12/11/2025.
4. **Prof. Shyamala Mathi** published a paper “Deep Spectra P2E: AI-Driven Spectral ECG Reconstruction from PPG for Continuous Cardiovascular Monitoring” in Engineering, Technology and Applied Science Research **Scopus Q2** journal on 6/12/2025.

5. **Prof. Shyamala Mathi** published a paper Cross-attentive Multi-kernel Residual Network with m-CBAM Refinement for PPG-ECG based Blood Pressure Estimation in International Journal of Intelligent Engineering & Systems, **Scopus Q2** Journal on November 2025.
6. **Dr. Sonal Hutke** published a paper “Analog artificial intelligence hardware for neural networks: design trends and considerations” in Bulletin of Electrical Engineering .and Informatics, **Scopus Q2** journal in December 2025.
7. **Prof. Pratibha Joshi** published a paper “Application Of Densenet Architecture And Its Variants Towards Breast Cancer Detection: A Multi-View Analysis" in International Journal of Environmental Science,**Scopus Q3** journal in October 2025.
8. Prof. Shyamala Mathi published a paper titled “Cross-attentive Multi-kernel Residual Network with m-CBAM Refinement for PPG-ECG based Blood Pressure Estimation” in Scopus indexed-Q2 International Journal of Intelligent Engineering and Systems on 1/1/2026.

Conference papers

1. Prof. Priyanka Kadam published a paper “ Brain tumor detection and segmentation using image processing” in IEEE Explore , International Conference on Emerging Trends in Industry 4.0 Technologies 6th and 7th June 2025.
2. Prof. Pratibha Joshi published a paper” Mass and Microcalcification Detection in Mammograms:A Deep Learning Perspective on Breast Cancer Classification”in IEEE Explore , International Conference on Emerging Trends in Industry 4.0 Technologies 6th and 7th June 2025.
3. Prof. Vandana Sawant published a paper “Antenna design and simulation with shorting pin for AIS application.” in IEEE Explore, , International Conference on Emerging Trends in Industry 4.0 Technologies 6th and 7th June 2025.
4. Prof. Pranavi Nikam published a paper on Performance evaluation of FPGA based different RNGs in IEEE International Conference on Advanced Computing Technologies (ICACT) on 29/1/2026.
5. Prof. Pranavi Nikam Published a Paper : AI Based Personalized Health Care: A Single Platform for Dietary and Fitness Tracking in IEEE Explore on 19/2/2026.
6. Prof. Vaishali Mangrulkar Published a paper “Shipsense: Live Shipment and Alerting via Mobile Integrated IoT system “ in IEEE Explore on 9/2/2026.

7. Prof. Pranavi Nikam Presented Paper in IEEE Conference " International Conference on Sustainable and Futuristic Technologies 2026" held at at Marathwada Mitra Mandal's College of Engineering, Karvenagar, Pune on 25.04.2026.

Workshops/seminars/Conference/symposium organized/attended by the faculty staff including Industrial training

Industrial Training:

- Dr. Swati Rane ,Dr. Sonal Hutke Shyamala M and Pratibha Joshi Successfully completed two week Faculty Training program on "Upskilling in Modern Manufacturing and IoT technologies",by GoGreen Technologies Pvt.Ltd during 16/8/2025 to 30/8/2025.
- Prof. Pranavi Nikam successfully completed industrial training program IDEAtronics - Bridging Innovation and Electronics at SAKEC -AICTE Idea Lab Training during 15/12/2025 to 27/12/2025.

Industrial Visits:

- Prof. Priyanka Kadam organized an Industrial visit for students at Acumen Pvt Ltd, Turbhe on 4/4/2025.
- Vaishali M and Dr. Swati Rane Organized Industrial Visit -Satellite Earth Station,Yeur,Thane on 6/8/2025.
- Prof. Biju B. and Prof. Pratibha Joshi organized Industrial Visit: BSNL, Cotmac Electronics, SIT Research Labs, Pune during 11/9/2025 to 13/9/2025.
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- **Workshops/seminars/Conference/symposium**
- Prof. Biju B. under Computer Society IEEE SIESGST organized Workshop on Indian Sign Language Recognition with CNN for students during 11/8/2025 to 12/8/2025.
- Prof. Biju B Organized a Workshop on Motor Control with KiCad and ESP 8266 during 29/9/2025 to 30/9/2025.

- Prof. Priyanka Kadam attended SPS seasonal school organized by IEEE Gujrat section at Symbiosis International University , Pune during 27-1-2026 to 31-1-2026 .
- Prof. Biju B Organized 3-Day International Technical Symposium with 4 tracks, 14 sessions and 38 national and international speakers: EPSILON 2026 during 13/2/2026 to 15/2/2026.
- Prof. Biju B Organized Podcast: Beyond the visible-The next generation of Earth Observation by Dr. Sangita Choudhari On 22/2/2026.
- Prof. Biju B Organized a Podcast: Navigating Data Science Careers by Dr. Pranita Mahajan on 1/3/2026.
- Prof. Biju B.Organized IEEE SIESGST WiE series: Seminar on "From Prompt to Autonomous Agents" by Ms. Rucha Chormunge on 4/3/2026.
- Prof. Biju B.Organized IEEE SIESGST WiE series: "Confident Communication" by Ms. Writika Bhowmick on 7/3/2026.
- Prof. Biju B.Organized IEEE SIESGST WiE series: "Give to Gain" by Mini Ulanat on 7/3/2026.
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- Prof. Biju B.Organized Seminar on "From Classroom to Industry: Preparing Future-Ready Engineers" by Dinesh Prajapati, Lead Platform, OBF Services India Pvt Ltd on 20/3/2026.
- Prof. Biju B.Organized Podcast: "From Campus to Corporate- How IEEE Shapes Student Careers" by Dr. Sameer Nanivadekar, Chair, IEEE Maharashtra Section on 23/3/2026.
- Prof. Biju B.

NPTEL Courses:

- **Nine faculties** successfully completed NPTEL courses like Microelectronics: Devices to Circuit , Drone System, Outcome based Education and Control Introduction to LLM and Cyber Security and Privacy in November 2025. Advance Robotics Applications, Computer Networks and Internet Protocol, Introduction to Quantum Computing: Quantum Algorithms and Qiskit, Data Mining in April 2026.

FDP Attended:

- **Seven Six faculties** successfully completed FDP courses like Periodic innovations in perspective of VLSI of Semiconductor ICs during 15/12/2025 to 20/12/2025 , Security and Privacy issues and their countermeasures in the era of Artificial Intelligence at Delhi Technological University during 15/12/2025 to 20/12/2025 , New Trends in Semiconductor Technology by Kongu Polytechnic College, Perundurai during 22/12/2025 to 27/12/2025 , Quantum Computing and Cyber Security at S-VYASA

Deemed-to-be University, Bengaluru, Karnataka, India during 15/12/2025 to 20/12/2025, IoT-Driven Embedded Technologies for Real World Automation ARUNACHALA COLLEGE OF ENGINEERING FOR WOMEN on 24/1/2026, etc.

Expert Talks: Total 9 expert talks like on Industry Insights on Embedded Systems: Trends and Future Direction by Mr.Rahul Bodha , Embedded software design engineer,Electrolab on 28/7/2025 ,Embedded system design :Practical Introduction by Prof. Santosh Kamble , Bizcraft Solutions Pvt. Ltd. on 14/8/2025, Driving the smart revolution: Signals & Embedded Systems by Mr.Umesh Mahind ,Accenture on 25/9/2025 , Sustainable Engineering Design by Ms.Kasturi Pathak, Sustainability professional,Techknowgreen solution Ltd,Pune on 24/8/2025 etc. were arranged .

Alumni Interaction:

- Ms. Neha Karekar ,2017 Passout student working with Tech Mahindra was invited as a Industry Expert in Internal SIH on 11/9/2025.
- Ms. Pooja Iyer ,Deputy manager at SBI mutual fund was invited to conduct expert session on Information security and Data Security on 26/9/2025.
- Expert talk on " Road Map and Career opportunities in Aviation Industry" by our alumni Capt. Anvesh Lokhande on 17/2/2026.
- Expert talk on "Modern Communication Systems and Their Engineering Significance" by our alumni Mr. Vishal Naregal Avionics Research Associate Manastu Space, Mumbai on 9/2/2026.
- Alumni expert lecture for Second years on Data: Pipeline Patterns and Predictions by Ms.Shruti Tiwari on 13/3/2026.
- Alumni expert lecture for BE Students CDN: The telecom behind streaming by Ms. Sravya Sistla on 2/3/2026.
- Alumni Expert Lecture for subject Critical Thinking & Design by Ms.Aditi Kurhekar on 7/3/2026.

