

**SIES**Graduate School of
Technology (Autonomous)RISE WITH EDUCATION
NAAC A+

EXTC- News Letter

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION Jan 25-June 25

The program of Bachelor of Engineering in Electronics and Telecommunication is being conducted in accordance with the course curriculum prescribed by the University of Mumbai. The department has been NBA accredited from 2012-2014, 2021-2024, extended up to 30-06-2027, and NAAC accredited with an A+ grade. The college management has always encouraged the student fraternity by announcing scholarships and cash awards for meritorious students. The department has an active IEEE Student chapter. Technical and Co-curricular activities are being conducted under IEEE on a regular basis.

The department of EXTC was started in 2002. Right from the inception of the institute, it has progressed rapidly to be regarded as one of the premier departments with excellent infrastructure and dedicated faculty. The department is well equipped with laboratories. The department has highly qualified and competent faculty members who specialize in their areas of expertise, in order to give the students a holistic and pragmatic view of the present scenario of the Electronics and Communication industry.

Vision and Mission of Electronics and Telecommunication Department

VISION

To be a Premier Department in Electronics & Telecommunications Engineering

MISSION

- To provide quality education satisfying the requirements of the corporate world across diverse fields.
- To develop lifelong learning skills to cater to the socio-economic needs.
- To strengthen Industry-Institute Interaction to bridge the gap between academic and Industrial requirements.
- To equip students with leadership and entrepreneurial skills.

Editors**Prof. Vaishali Mangrulkar**
Prof. Shyamala Mathi

Program Educational Outcomes (PEOs)

Graduates will be able to:

1. PEO1: Identify, formulate and solve engineering problems in the industry, complying with ethical standards and societal needs.
2. PEO2: Pursue higher studies and professional development courses leading to significant advancement in the field of specialization.
3. PEO3: Apply technical concepts to develop applications and design products.
4. PEO4: Exhibit leadership and entrepreneurial acumen in career.

Program Specific Outcomes (PSOs)

Students should be able to

1. PSO1: Achieve eminence in domains like signal processing, VLSI, embedded IoT, RF & microwave.
2. PSO2: Become technocrats capable of working in multi- disciplinary fields.

Department Activities

- Organized AICTE Training and Learning (ATAL) Academy Faculty Development Program on Cyber Security at SIES GRADUATE SCHOOL OF TECHNOLOGY from 06/01/2025 to 11/01/2025, which is funded by AICTE of Rs.3.5 Lakh.
- IEEE SIESGST Organized a National Technical event "Techopedia 13" from 23/1/2025 to 24/1/2025.

Academic/ Technical achievements of students

- Mr. Apurva Rahate, Mr. Mayuresh Abhang, Mr. Vedant Mankar, Mr. Raj More, Mr. Vignesh Mudaliyar, Mr. Sanket Katake, Mr. Nirav Lokhande, Mr. Yash Juvekar, and Mr. Pranav Deshmukh Won the Kabaddi competition organized by SIESGST during TML2025.
- Mr. Aryan Thakur, Mr. Apurva Rahate, Umair Khan, and Rishi Srivastav won the basketball competition organized by SIESGST during TML 2025.
- Mr. Advait Varma, Chetana Dhongade, Atharva Hadawale, and Shubham Jadhav received the best paper award for the paper "Antenna design for

AIS application" in the ICE4IT IEEE Conference held at SIESGST, Nerul.

- Mr. Rushikesh Sawant, Arghya Das, Atharva Kotar, and Adinath Patil secured first prize of Rs. 7000/- in the national FCIRT Avishkar 2025 project competition held at Fr. Agnel Vashi.
- Mr. Atharva Kotkar, Mr. Arghya Das, Mr. Rushikesh Sawant, and Mr. Adinath Patil Cleared and reached the final round of the University Level project competition "AVISHKAR" for the project Title "RAH BoT".
- Mr. Arghya Das, Mr. Rushikesh Sawant, Mr. Atharva Kotkar, and Mr. Adinath Patil's project Title "RAH BoT" received the 4th nomination in CHIA held at Nehru Planetarium, Warali on 7/2/2025.
- Ms. Gouri Houlgoul, TE EXTC, secured first place at the technical paper presentation competition held at KJSIEIT, Sion, in October 2024 and won 1st Place in Presentation Pro Thesis Mechatronics at S.I.W.S 2025 in January 2025.
- Ms. Gouri Hoilgol Won third prize at Sparkathon hosted by Indala College of Engineering for the title "Dine Decide a data-driven solution for restaurant owners, and got some amazing feedback on 20/3/2025.
- Anushka Potdar, Aditya Umesh, Aditi Kurhekar, and Sharvari Kulkarni Won Second prize of Rs. 6000/- in Texchxter-14 organized by SIESGST on 21/3/2025.
- Yash Indulkar, Rahul Ganoliya, Raj Vaity, Viany Avula received second prize Rs.2000/- in Resilience Tech master, an inter-college project competition held at Sabo Siddhik College of Engineering, Mumbai on 27/2/2025.

Faculty achievements

- Dr. Preeti Hemnani published a paper, Evaluating Sentiment Analysis Models: A Comparative Analysis of Vaccination Tweets During the COVID-19 Phase Leveraging DistilBERT for Enhanced Insights in Methods, in the X SCI index journal on 30/5/2025.
- Prof. Shyamala Mathi published a paper, A Review Of Convolutional Neural Networks For Medical Image Analysis: Trends And Future Directions, in the Journal of Neonatal Surgery, Scopus Index journal on 5/5/2025.
- Dr. Swati Rane published a paper on Legal chatbot and document generator using ReFlaPsy in World Journal of Advanced Research and Reviews in April 2025.
- Prof. Vaishali Mangrulkar published a paper titled

“Evolution of IoT-Enabled Logistics: A Survey on Tracking, Monitoring, and Cold Chain Management” in the IJIRCCE journal, April 2025.

- Prof. Biju B published a paper, "Multilingual Voice Based Vending Machine," in IEEE Xplore on 26/2/2025.
- Dr. Preeti Hernani successfully completed a 4-week NPTEL FDP course on Python for data science with a Silver + Elite certificate.
- Prof. Biju B. successfully completed 12 12-week NPTEL FDP on Communication Networks with a Silver + Elite certificate.
- Prof. Vandana Sawant successfully completed the Coursera course on Cybersecurity for Everyone.
- Prof. Pratibha Joshi successfully completed an 8-week NPTEL course on Cloud computing and distributed systems with an Elite certificate.
- Prof. Vaishali Mangrulkar successfully completed 8-week NPTEL course on Cloud computing and distributed systems with an Elite certificate.
- Prof. Shyamala Mathi successfully completed 12 12-week NPTEL course on Deep Learning for Visual Computing with an Elite certificate.

Students Development programs

- Prof. Biju B. organized a webinar on the occasion of National Technology Day by Mr. Ramanathan Seshan on 11/5/2025.
- Prof. Vaishali Mangrulkar and Prof. Pratibha Joshi organized and conducted a value-added course on Introduction to Arduino, RPi, and IoT from Jan 2025 to February 2025.
- Dr. Preeti Hmnani and Prof. Pranavi Nikam organized and conducted value added course on Workshop on Digital System Design on FPGA Using Verilog during January to February 2025.
- Prof. Biju B and Prof. Vaishali Mangrulkar organized Wie Series Episode 1: Seminar on Entrepreneurship and Startups by Ms. Aparna Kshirsagar, Co-founder and head of Business Development at Frozculina Tech Services, Mumbai on 3/3/2025.
- Prof. Biju B and Prof. Vaishali Mangrulkar organized WiE Series Episode 2: Seminar on finding calm: Stress management through meditation by Dr. Sunita Jain, HoD of Pediatric department, MGM, and Madhavi Patil, Lead, Yogam Isha Hatha Yoga Studio in Navi Mumbai on 6/3/2025.
- Prof. Biju B and Prof. Vaishali Mangrulkar organized WiE Series Episode 3: Taking Stage Leadership and all by Ms. Priti Mumshi, Senior

Lead-Technology and Transformation on 8/3/2025.

- Prof. Biju B and Prof. Vaishali Mangrulkar organized WiE Series Episode 4: Women of Impact: Bold, Brave and Beyond by Ms. Sajitha Nair, HoD of Pedagogy and Innovation in Sacred Heart School on 8/3/2025.
- Prof. Priyanka Kadam organized a hands-on session on: Implementation of Retrieval-Augmented Generation (RAG) System by Dr. Pranita Mahajan, Sr. Data Scientist at Rolex Elsevier on 19/3/2025.
- Prof. Shyamala Mathi Organized a workshop on Accelerating Learning with AI by Mr. Shubham Dumbre, Founder, Delta the Innovators, on 18/3/2025.
- Prof. Shyamala Mathi Organized an Expert session on "From Idea to Impact: Navigating the Entrepreneurial Journey in a Tech-Driven World" by Mr. Parth Deo, Business and Operations Leader, on 19/3/2025.
- Prof. Pratibha Joshi organized an expert session by Daryl Thomas, Co-founder and CTO at Greenoxtech, on 12/3/2025.
- Dr. Preeti Hemnani and Prof. Pranavi Nikam organized an Awareness Session on Career Opportunities for Engineers in Defence by Mr. Sagar Singh on 3/2/2025.
- Prof. Pranavi Nikam organized a workshop on "Circuit design and simulation: Altium, Kicad, and Proteus for students on 15/2/2025 by Ms. Samiksha Kamble, Embedded Hardware Engineer (Hexamodel Technology).
- Prof. Vaishali Mangrulkar organized an expert talk on "Telecom service provider IT Systems: Enabling Customer Delight" for TE and BE students by Mr. Aiyappan Pillai, CEO and Founder of Congruent Services, Mumbai, on 12/2/2025.
- Prof. Vandana Sawant organized an expert talk on Future as an EXTC Engineer in RF Field by Mr. Ojas Savarkar, IoT Manager, R&D Department, Human Ventures Pvt. Ltd., Mumbai, on 10/2/2025.
- Prof. Pratibha Joshi organized an expert session on “Effective paper writing by Dr. Pooja Singh, Assistant Professor at SIESGST, on 18/2/2025.
- Dr. Swati Rane organized an Expert Talk on the DVLSI domain by Mr. Rachith Kushalappa, NVIDIA, Mumbai, on 14/2/2025.
- Prof. Biju B, IEEE SIESGST, organized a technical event- Techopedia 13 from 23/1/2025 to 25/1/2025.

- Organized Industry Visit for faculty at Yotta Data Center, Panvel on 10/1/2025.
- Prof. Priyanka Kadam organized an Industrial visit for students at Acumen Pvt Ltd, Turbhe on 4/4/2025.
- Prof. Biju B organized the IEEE SIESGST Webinar on AI
- Driven Networks on 6G Communication by Mr.
- Sandeep Sharma on 2/3/2025

Seminars/workshops attended by department faculty:

- All faculties successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Cyber Security at SIES GRADUATE SCHOOL OF TECHNOLOGY from 06/01/2025 to 11/01/2025.
- Pratibha Joshi participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on mm Wave Technologies at VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY from 13/01/2025 to 18/01/2025.
- Prof. Biju B. invited as a speaker for the session “Outcome Based Education” for Engineering Degree, Diploma, and Management Faculty members at ARMIET, Shahapur, Thane on 20/01/2025
- Prof. Pranavi Nikam completed the course on VLSI digital design by Infosys in February 2025.
- Prof. Biju Balkrishnan attended a Webinar on Ethical Dimensions of Artificial Intelligence (AI) in Education organized by SIES School of Learning and Leadership Development on 20/3/2025.
- Prof. Biju B. invited as a visiting Expert for the Department Quality Assurance Committee at Fr. C. Rodrigues Institute of Technology, Navi Mumbai on 31/5/2025

Alumni Activity:

- Mr. Rachith Kushalappa, NVIDIA, Mumbai, 2006 pass-out alumni, delivered an expert talk on the DVLSI domain for students on 14/2/2025.
- Mr. Sagar Singh, 2019 pass-out alumni, delivered an awareness Session on Career Opportunities for Engineers for students on 3/2/2025.