

EXTC- News Letter

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION Jan 26-June 26

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. 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. Vandana Sawant

Dr. Swati Rane

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 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.
- 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 Power BI Hands on workshop: From Data to Insights on 20/06/2026.

Student achievements

- 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. Perna Sharma and Mr. Rohit Sharma attended and participated in CIIA 5 project Presentation at Nehru center, Worli from 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 finalists 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.
- MS. Jeevitha Gowda, Vignesh Mudliyar and Poshanjeet Mandal, presented paper at CICN 2026 held at Phillipine, Philippine Women's University, Manila, Transistor-Level Morris Sensitivity Analysis for Variation-Aware Delay optimization in CMOS Full Adder on 12.06.2026.
- Mr. Apurva Rahate and team won SIES MBA CRICKET TURNAMENT in April 2026.

Faculty Achievements

- 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.
- 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.
- 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.
- Prof. Vaishali Mangrulkar Published a paper “Shipsense: Live Shipment and Alerting via Mobile Integrated IoT system “ in IEEE Explore on 9/2/2026.
- Prof. Pranavi Nikam 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.
- Prof. Biju B. presented paper “Object Detection and Tracking: A Hybrid Approach Based on Deep Learning and Classical Algorithms” at the 2026 International Conference on Data Science for Cyber-Physical Systems Resilience using Advanced Applications (ICDCA), organized by K S School of Engineering and Management (KSSEM), Karnataka, India, held on 5th - 6th June, 2026.
- Prof. Priyanka Kadam and Prof. Vandana Sawant Presented paper in ICDCA 2026 IEEE conference on entitled Object Detection and Tracking: A

Hybrid Approach Based on Deep Learning and classical algorithm on 05/06/2026.

- Prof. Pratibha Joshi Published paper on Segmentation Of Pectoral Muscle From Digital Mammograms With Breadth -First Search Algorithm Towards Breast Cancer Detection in International journal of AI and ML on 11/06/2026.
- Prof. Pratibha Joshi Published paper on PMSA-Net: A Pectoral Muscle Suppressed Attention Network for Automated Breast Cancer Detection in Mammographic Images in International journal computer information system and industrial management applications on 22/06/2026.
- Prof. Pranavi Nikam Presented paper at CICN 2026 held at philippine ,Philippine Women's University, Manila, : Transistor-Level Morris Sensitivity Analysis for Variation-Aware Delay optimization in CMOS Full Adder on 12/06/2026.
- Dr. Swati Rane published patent on A Self-Evolving Cognitive Cyber Defence Architecture for Autonomous Threat Anticipation and Neutralization on 27/03/2026.
- Dr. Swati Rane published patent on Smart Road Infrastructure with AI-Based Traffic Flow Optimization on 20/02/2026.
- Five faculties successfully completed NPTEL courses like Advance Robotics Applications, Computer Networks and Internet Protocol, Introduction to Quantum Computing: Quantum Algorithms and Qiskit, Data Mining in April 2026.

Students Development programs

- Dr. Sonal Hutke and Vandana Sawant conducted Value added courses on Industrial Communication Antennas: Design, Simulation, and Optimization during 22/06/2026 to 28/06/2026.
- 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.

- Total 7 podcast, seminars and expert talks organized by IEEE and WIE.

Seminars/workshops attended by department faculty:

- All faculties successfully completed 2 Weeks FDP on NEP 2020: Orientation and Sensitization in collaboration with Malaviya Mission Teacher Training Program Center, Sagar, MP 02/06-12/06/2026 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.etc.

Alumni Activity:

- 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.