EXTC- News Letter

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION   Jan24-June24

The program of Bachelor of Engineering in Electronics and Telecommunication is being conducted in accordance with the course curriculum prescribed by University of Mumbai. Department has been NBA accredited from 2012-2014, 2021-2024, extended up to 30-06-2027 and NAAC accredited with 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 premiere 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, 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 corporate world across diverse fields.
- To develop life-long learning skills to cater to 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. Biju Balakrishnan

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

- Signed MoU with Septu, Gurgaon, Delhi.
- Signed MoU with Meta Craftlab Pvt. Ltd., Mumbai
- Departmental advisory board meeting was conducted on 25/2/2024.
- IEEE SIESGST organized Techopedia-12 Technical event from 1/2/2024 to 3/2/2024.
- IEEE SIESGST organized a seminar on Technical Paper Writing in IEEE format on 15/2/2024 by Dr. Mini Rajeev, Associate Professor and Associate Dean, FCRIT, Vashi.
- IEEE SIESGST organized a workshop on COLORS: A Tool for Wellness by Ms.Nikita Prabhu Founder, Ikigai For The Soul, Mumbai on 8/3/2024.
- IEEE SIESGST organized seminar on LUDO in the corporate World by Ms. Ramya Rajeevan, HR professional at Hindustan Uni Lever Ltd, Mumbai on 8/3/2024.
- Dr. Preeti Hemnani, Prof. Pratibha Joshi, Prof. Sonal Hutke and Prof. Vaishali Mangrulkar organized a visit to AICTE Idea lab at SPIT, Andheri for second year students on 15/3/2024.
- Prof. Biju Balakrishnan organized an Industrial Visit to TIFR on 23/3/2024 for third year students.
- Prof. Biju Balakrishnan organized a Seminar on Carrier Guidance and Profile Building by Tanvi Sharma, Collegepond on 31/1/2024.
- Prof. Swati Rane and Prof. Priyanka Kadam organized an Industrial Visit to Inventronics, Bhiwandi for second year students.
- Prof. Biju Balakrishnan organized an Industrial Visit for faculties to Reliance Jio:5G Services and applications on 14/3/2024.

- Prof. Biju Balakrishnan organized a Seminar on Carrier Guidance and Profile Building by Tanvi Sharma, Collegepond on 31/1/2024.
- Prof. Biju Balakrishnan organized a seminar on Achieving Problem-Solution Fit and Product-Market Fit on 27/2/2024 by Alumni Mr. Abhishek Singh, Product Manager, Reliance Jio.
- Prof. Pratibha Joshi and Prof. Vaishali Mangrulkar organized an expert lecture for final year students on Recent trends in networking and security protocol by Mr. Ashish Sahu, Product Manager at Reliance Jio on 28/3/2024 for the subject WN and NMT.
- Prof. Pranavi Nikam organized the Industry Expert talk and Hands on session on .SQL essentials by Mr. Umesh Mahind on 28/3/2024 for third year students.
- Dr.Preeti Hemnani & Pranavi Nikam organized an expert talk on Viksit Bharat and seminar on VLSI application in AI/ML and future opportunities on 13/3/2024.
- Prof.Swati Rane organized an expert talk on "Roadmap to Entrepreneurship and challenges in It" by Mr. Kunal Godambe, Founder and Managing Director-GreenShift Energy Pvt. Ltd., Mumbai, Maharashtra for TE and BE students on 15/3/2024.
- Prof.Sonal Hutke organized an expert talk on RF Antenna Trends by Mr. Abhishek Tambulwadkar, DIGINTEL INFOSOL LLP, Mumbai,on 20/3/2024.
- Prof..Swati Rane, Prof. Shyamala Mathi and Prof. Priyanka Kadam organized expert talk on "Chat bot implementation using Open AI" in Value added course on "Applications of ML: IP & NLP" on 6/7/2024 by Ms. Pranita Mahajan, Sr. data analyst at Elsevier Mumbai.
- Dr. Preeti Hemnani and Pranavi Nikam organized an expert talk on Career opportunities in Data Science on 8/4/2024 by Ms. Pranita Nagpurkar, Big Data Engineer .Hexaware Technologie for third year students.

Academic/ Technical achievements of students

- Nine groups of final year students published papers in IEEE conferences and journals.
- Mr.Saurabh Kanase ,Ms.Sayali Maske, Ms.Shreya Kadam, Ms.Sakshi Kadam final year students received first prize in Techxter organized by SIES GST, Third prize in Intech by Somaiya College of Engineering and in Prakalpa by SFIT project competitions.
- Mr. Atharva Kotkar, Mr. Argya Das, Mr. Rushikesh Sawant and Mr. Harsh Khanderao participated in CIIA3 innovations project exhibition on 31/2/2024 and got internship at Septu, Gurgaon, Delhi.
- Mr. Atharva Kotkar, Mr. Argya Das, Mr. Rushikesh Sawant and Mr. Rahul Ganoliya won an inter college project competition held at Saboo Siddik college of Engineering on 2/6/2024.

Faculty achievements

- Prof. Swati Rane completed her PhD.
- Prof. Vandana Sawant, Prof.Priyanka Kadam and Prof. Vaishali Mangrulkar presented paper in IEEE international conference on topic 5.8Ghz ISM band low-cost button

antenna for smart wearable application December 2023 and paper published in IEEE Explore in March 2024.

- Dr. Shubhangi Kharche published a paper PCB Defect Detection Methods: A Review of Existing Methods and Potential Enhancements in JESTR journal.
- Prof. Sonal Hutke published a paper titled "Investigation of SAR reduction and bending effect using a flexible antenna with EBG structure for 2.45Ghz wearable applications" in International Journal of Intelligent systems and applications in engineering.
- Prof. Pranavi Nikam Copyright Registered " a voice activated mobility wheelchair powered by solar energy.
- Prof. Swati Rane published a paper titled "User centric online library system using PHP" in International Journal of Creative Research Thoughts, June 2024.

Student Development Programs:

- Dr. Preeti Hemnani and Prof. Pranavi Nikam organized and conducted value added course on Digital system design on FPGA using Verilog from 1/1/2024 to 5/1/2024.
- Prof. Pratibha Joshi, Prof. Nita Patil and Prof. Vaishali Mangrulkar organized and conducted value added course on Introduction to Arduino, R-Pi and IoT from 1/1/2024 to 6/1/2024.

Seminars/workshops attended by department faculty:

- Prof. Biju Balakrishnan Invited as a visiting expert for Department Quality Assurance Committee on 3/1/2024 at Fr. C. Rodrigues Institute of Technology, Navi Mumbai.
- Prof.Vaishali Mangrulkar and Prof.Sonal Hutke attended webinar on Integrating life skills in curriculum by Dr. Shilpa Kankonkar, associate professor and start up specialist at Neville Wadia Institute of Management and Research Pune on 31/1/2024 organized by SIESLLD.
- Prof. Vaishali M, Prof. Swati Rane, Prof. Pratibha Joshi, Prof. Priyanka Kadam and Prof. Sonal Hutke attended a seminar on POSH at Workplace by Dr. Swati Kulkarni organized by WDC SIESGST on 5/2/2024.
- Prof. Vaishali Mangrulkar and Prof. Priyanka Kadam completed one month FDP by cyber security of India in May 2024.
- Prof. Pratibha Joshi attended Five days FDP on competency building in soft skills organized by SSLLD & SISCOM during 24/6/2024 to 28/6/2024.

"None can destroy iron, but its own rust can! Likewise none can destroy a person, but its own mindset can"

By Ratan Tata