



Ms. Vaishali Mangrulkar
Ms. Vandana Sawant

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION July -Dec-2021

The program of Bachelor of Engineering in Electronics and Telecommunication is being conducted in accordance to the course curriculum prescribed by University of Mumbai. Department has been NBA accredited from 2012-2014 ,2021-2024 and NAAC accredited .The college management has always encouraged the student fraternity by announcing scholarships and cash awards for meritorious students. The department has active IEEE Student chapter. Technical and Co-curricular activities are being conducted under IEEE on 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. 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 Electronics and Communication industry.

Vision and Mission of EXTC Department

VISION

To be a Premier Department in Electronics & Telecommunications Engineering

MISSION

- To provide quality education satisfying the requirements of corporate world across diverse field.
- To develop life-long 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.

Program Educational Outcomes (PEOs)

Graduates will be able to:

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

Program Specific Outcomes (PSOs)

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

Department Activities

- Department along with CE and IT has organized ISTE Approved One Week STTP on " Data Science and Visualization Tools " during 6/12/2021 to 11/12/2021.
- Organized Webinar on "Insights into Industry 4.0" on 23/10/2021 .The session was conducted by an expert Mr. G Venkata Ganesan, Senior Manager, Siemens Ltd.
- Signed MoU with Maven Silicon Softech Private Limited ,Bangalore on 16/11/2021.
- Organized webinar On "Aspects of Technical Paper Writing for final year EXTC Students " on 28/08/2021.
- Organized Coding test on C, C++,Java and python for third year students on 6/8/2021 and 13/8/2021.
- Department has organized Faculty Development Program on "IOT :Our Connected World" on 30/11/2021 The session was conducted by an expert Mr.Hannan Satopay .Founder: ALHANSAT TECHNOLOGIES, IEEE Bombay TPAC Secretary.
- IEEE SIESGST organized a workshop on Data Analytics-Microsoft Power bi on 1/8/2021.
- IEEE SIESGST organized orientation program on IEEE Xtreme 15.0 international programming competition (24 hours) on 29/8/2021.
- IEEE SIESGST organized a IEEE Awareness program for SE students on 7/9/2021 , 8/9/2021, 20/9/2021 and 21/9/2021.
- IEEE SIESGST organized BrainHertz- Podcast Series Part1 Robots and Drones: The unmanned journey on 5/9/2021.
- IEEE SIESGST organized Enigma Tech Sundays Season 3 Episode1:Weekly Technical News on YouTube Channel on 12/9/2021.
- IEEE SIESGST organized BrainHertz- Podcast Series Part2 Robots and Drones: A World of Automations on 19/9/2021.

- IEEE SIESGST organized ROBONETICS- 15 days workshop on Robotics during 24/9/2021 to 8/10/2021.
- IEEE SIESGST organized Enigma Tech Sundays Season 3 Episode2:Weekly Technical News on YouTube Channel on 26/9/2021.
- IEEE SIESGST received IEEE's "The Darrel Chong Student Activity Award 2021- Bronze Medal" for the event Techopedia 9.0 on 12/10/2021.
- IEEE SIES GST received IEEE Day 2021 celebration poster and report competition on 22/10/2021.
- IEEE SIESGST organized Webinar on LoRa WAN on 3/10/2021.
- IEEE SIESGST organized IEEE Xtreme 15.0 Programming Competition on 23/10/2021.
- IEEE SIESGST organized BrainHertz- Podcast Series Part3 Cryptocurrency: From Euros to Ethereum on 3/10/2021.
- IEEE SIESGST organized Technical Lecture Series-2 Data Structures and Algorithms by Mr. Saptarshi Mukherjee on 6/10/2021.
- IEEE SIESGST celebrated IEEE Day 2021 on 9/10/2021 and 13/10/2021.
- IEEE SIESGST organized and conducted Enigma Tech Sundays Season 3 Episode3:Weekly Technical News on YouTube Channel on 10/10/2021
- IEEE SIESGST organized Technical Lecture Series-3 Data Structures and Algorithms by Mr. Saptarshi Mukherjee on 13/10/2021.
- IEEE SIESGST organized and conducted BrainHertz-Podcast Series Part4 Cryptocurrency: An expert's PoV on 17/10/2021.

Faculty Achievements:

- Prof. Biju Balakrishnan appointed as a Member of NIDHI-PRAYAS (Promoting and Accelerating Young and Aspiring Technology Entrepreneurs) Faculty Monitoring and Mentoring Committee (FMC) by Sardar Patel Technology Business Incubator(SP-TBI) , Mumbai.
- Ms. Sonal Hutke filed a patent on a MACHINE LEARNING BASED SYSTEM FOR ENHANCING COMPUTER NETWORK SECURITY at Australian Government in October 2021.
- Dr.Shubhangi Kharche published paper titled "Eye Disease Detection Using Machine Learning" in IEEE Explorer in November 2021.
- Priyanka Kadam Presented paper on "Fungus Detection and Identification by CVT and CNN" in 2021 International Conference on Smart Generation Computing, Communication and Networking (SMARTGEN), Pune, India on 1st Nov 2021 organizing IEEE Bombay Section.
- Dr.Shubhangi Kharche received Women Researcher Award from VGood Technology Factory, Coimbatore, India on 10/9/2021.

- IEEE Student branch received “The Darrel Chong Student Activity Award 2021- Bronze Medal “for the event Techopedia 9.0 on 10/12/2021.

Academic/ Technical achievements of students:

- Shubham Mishra IEEE Outstanding Student Volunteer: Shubham Mishra IEEE India Council Awards – 2021
- IEEE has appointed Mr. Prathamesh Thakur as the Ambassador of IEEE Xtreme 15.0
- Anagha Upparna (TE EXTC) First place in AISYWLC GOT TALENT competition held at Kochi, Kerala on 19-12-2021.
- Fifty students completed training on VLSI SoC Design using Verilog HDL Course" by Maven Silicon, conducted by Maven silicon.

Student Development Programs :

Organized student development program on Natural Language Processing during 20/12/2021 to 24/12/2021.

Seminars/workshops attended by department faculty:

- Ms. Sonal Hutke successfully completed NPTEL course on Programming in Java in November 2021.
- Ms.Swati Rane ,Ms.Nita Patil and Ms.Priyanka Kadam attended FDP on Fundamentals of Deep Learning on 27/11/2021.
- Ms.Priyanka Kadam Completed CISCO Certification course on "Introduction to Cybersecurity" in November 2021.
- All faculty attended Faculty Development Program on "IOT :Our Connected World" on 30/11/2021,The session was conducted by an expert Mr.Hannan Satopay .Founder: ALHANSAT TECHNOLOGIES, IEEE Bombay TPAC Secretary.
- All faculty attended Webinar on "Insights into Industry 4.0" on 23/10/2021.The session was conducted by an expert Mr. G Venkata Ganesan, Senior Manager, Siemens Ltd.
- Ms. Madhuri Kulkarni attended guest lecture on Insights for industry 4.0 in October 2021.
- Ms.Vandana Sawant attended webinar “Cyber Crime” on 25/9/2021.Seminar conducted by Adv. Nandini G. Menon.

Verilog HDL Course" by Maven Silicon 28/8/2021.

- All faculties attended ISTE Approved One Week STTP on " Data Science and Visualization Tools " during 6/12/2021 to 11/12/2021.
- Dr. Shubhangi Kharche attended ATAL FDP on "Design Thinking" at NITTR Chandigarh from 31/12/2021 to 4/1/2022.
- Ms. Madhuri Kulkarni attended ATAL FDP on AI-Natural Language Processing from 29/11/2021 to 3/12/2021
- Ms.Pranavi Nikam Attended ATAL FDP on 6G Communication from 20/12/2021 to 24/12/2021.
- Ms.Pranavi Nikam completed 5 days workshop on " RTL design using Verilog HDL using SKy 130 Technology " From VSD Bangalore.
- Ms.Shyamala Mathi successfully completed NPTEL course on Pattern Recognition and Applications in November 2021.
- Seventeen faculties attended Session on "Procedural Aspects of IPR" by SIES GST .Session was conducted by Mrs. Rashmi Hingmire, Patent Agent, GREAT MISSION GROUP CONSULTANCY, INDIA.
- Ms.Priyanka Kadam attended FDP on "FOUNDATIONS OF CYBER SECURITY & DIGITAL FORENSICS" on ATAL Portal during 26/7/2021 to 29/7/2021.
- Ms.Vandana Sawant organized Seminar/Alumni interaction Telecommunication &RF engineering on 18/10/2021.Session was conducted by our Alumni Mr. Pranesh Mokashi.
- Ms.Pranavi Nikam organized Expert talk on "Digital electronics : Beyond the books !" for second year students on 30/11/2021
- .Ms. Pratibha Joshi organized Faculty Development Program on "IOT :Our Connected World" on 30/11/2021,The session was conducted by an expert Mr.Hannan Satopay .Founder: ALHANSAT TECHNOLOGIES, IEEE Bombay TPAC Secretary.
- Ms. Swati Rane and Ms.Pranavi Nikam organized Seminar/Alumni interaction Roadmap to VLSI

- Dr.Preeti Hemnani and Ms.Sonal Hutke Completed One month training on " VLSI SoC Design using
- Ms. Vandana Sawant FDP on "Android app development using Kotlin"during 5/7/2021 to 10/7/2021.
- Dr.Preeti Hemnani Attended "Blended Teaching Learning" by Dr.Deepak Pathak ,IIT B on 17/7/2021.
- Dr.Shubhangi Kharche attended MHRD-IA Online Training Sessions Basic Level during 30/6/2021 to 30/7/2021.
- Vaishali M. successfully completed NPTEL course on problem solving through programming in C in November 2021.

domain on 30/7/2021 .Session conducted by our Alu

Quote from the Editor's Desk:

“All power is within you, you can do anything and everything”“ .

Swami Vivekananda