

# EXTC- News Letter

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Jan-July-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 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 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.

Editors

Prof. Swati Rane

Prof. Vaishali Mangrulkar

## **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**

- Received NBA accreditation for three years 2021-24.
- Organized ISTE approved one-week STTP on "Recent Trends in Wireless Technologies" during 18/12/2021 to 23/1/2021.
- Organized faculty development program on "Augmented reality: Applications and Development platforms". Session was conducted by Dr. Jonathan Joshi, C.E.O. at Eduvance, on 29/5/2021.
- Organized Seminar on "Free Space Optic". This session was conducted by Mr. R. S. Saklikar and Mr. Nitin Bavaskar, Sub Divisional Engineer, RTTC, BSNL Pune. On 20/4/2021.
- Signed MoU with BSNL, Pune on 26/1/2020.
- Signed MoU with AutoNxt Mumbai on 25/2/2021
- Signed MoU with Mega-Tech on 18/3/2021.
- IEEE SIESGST organized BrainHertz- Podcast Series in the month of March and April 2021.
- IEEE SIESGST organized SIGHT's Competition for Budding Innovators- Proposal Writing and Presentation Competition on 21/2/2021.
- IEEE SIESGST organized EPSILON 2021: 3-day International level Symposium with 3 tracks( ML, Cloud Computing and Quantum Computing), Project, Workshops, Quizzes and 22 speakers during 2/4/2021 to 4/4/2021.
- IEEE SIESGST organized Bridge the Gap- Instagram Live with Alumni Interview Series conducted during

March to June 2021.

- IEEE SIESGST organized Enigma Tech Sundays Seasons: Weekly Technical News on YouTube Channel conducted during March to May 2021.

## **Academic/ Technical achievements of students**

- Mr. Cibiin Chandrashekar got first prize in TECHBATE : An inter-collegiate Technical Debate Competition for Tech Enthusiasts, Organized by K C College of Engineering, Thane on 13/4/2021.
- Mr. Aaryan kumbhar, winner of Dot Your Design: Graphic Design Poster competition at Don Bosco College of Engineering, Goa held on 22/5/2021.
- Mr. Tushar Ninawe, secured second prize in Dot Your Design: Graphic Design Poster competition at Don Bosco College of Engineering, Goa held on 22/5/2021.
- Ms. Diksha Adke, Mr. Atharva Karnik, Mr. Honey Burman and Dheeraj, runner up in IEEE SIGHT's Competition for Budding Innovators- Proposal Writing and Presentation Competition.

## **Faculty achievements**

- Ms. Pranavi Mhatre received copyrights (GOV of India) on title "H shape Hybrid ring Power Divider in March 2021.
- Dr. Shubhangi Kharche delivered a talk on "Introduction to 6G" in the STTP on recent trends in wireless technologies at SIESGST in Jan 2021.
- Mr. Biju Balakrishnan delivered a talk on "Error Control Systems" in the STTP on Recent Trends in Wireless Technologies at SIESGST in Jan 2021.
- Mr. Biju B. worked as a judge for pre evaluation phase-1, proposal writing and presentation competition for budding innovators organized by IEEE Bombay section on 20/2/2021.
- Ms. Vandana Sawant worked as a Reviewer for 4th International Conference on "Advances in Science & Technology 2021" on 7/4/2021.

## **Student Development Programs:**

- Value Added Course on "Embedded system and IoT" was conducted by EXTC department from 28/6/2021 to 3/7/2021. The speakers were Mr. Abhay Phansikar from Past chairman of IEEE Bombay Section, Mr. Hannan Satopay from IEEE Bombay Section and Ms. Vaishali Mangrulkar, Ms. Pratibha Joshi, Ms. Kintu Patel from SIES GST.
- Internship program on "Machine Learning and Image

Processing using Python” was conducted by EXTC department for 21/6/2021 to 10/7/2021. The speakers were Mr. Abhay Phansikar, Past chairman of IEEE Bombay Section, Mr. Prasanna Biswas from Machine learning engineer, Qualcomm Corporate R&D and Mr. Pushkar Sathe, Ms. Swati Rane, MS. Shyamala Mathi from SIES GST..

- Value Added Course on “Advanced Antenna Design” was conducted by EXTC department from 28/6/2021 to 3/7/2021. The speakers were Dr. K.P. Ray, Professor, Dean & Head, Electronics Engineering and CSE Dept., Defence Institute of Advanced Technology Pune, Mr. Swapnil Gaul, Founder of Numergion (TaraNG) and Ms. Vandana Sawant ,Dr.Shubhangi Kharche , Ms. Kintu Patel from SIES GST.
- Webinar on "Career talk on summer Internships" by Prof. Hema Raut conducted on 20/5/2021 .

#### **Seminars/workshops attended by department faculty:**

- Mr. Biju B., Ms. Pratibha Joshi and Ms. Sonal Hutke attended three days FDP on Research Funding Projects and IPR (Part II) by KC College of Engineering , Thane during 7/6/2021 to 9/7/2021.
- Ms. Sonal Hutke completed course of LaTeX for Students Engineers and Scientists on 31st May 2021 from IITB.
- Ms. Vaishali Mangrulkar completed five days AICTE ATAL FDP on Augmented reality and Virtual reality during 7/6/2021 to 11/6/2021.
- Mr. Biju B. and Ms. Pratibha Joshi attended AICTE approved six days STTP on Next Generation Communications and Networks, organized By Thakur College of Engineering during 14-06-2021 to 19-06-2021.
- Ms. Kalyani Salvi and Ms. Rekha Gupta attended three days FDP program on "Next generation 5G Technologies” by Lokmanya Tilak College of Engineering during 17/06/2021 to 19/06/21.
- Sixteen faculties attended five days FDP on UHV organized by AICTE in the month of May 2021.
- All faculties attended Faculty Development Program on "Augmented reality: Applications and Development platforms” on 29/5/2021.
- Ms. Pranavi Mhatre completed Coursera course titled " Introduction to Business Analysis Using Spreadsheets: Basics" on 18/5/2021 and UDEMY course " Digital design using Verilog HDL Programming with Practical " on 24/5/2021.
- Nine faculties attended SIESCTD webinar on Decoding online E-filing IT returns on 24/4/2021.
- Mr. Biju B. Attended a workshop on RANGE- SAR: Remote Sensing Technology by IEEE MTTS on 18/4/2021.

- All faculties completed ISTE approved one-week STTP on "Recent Trends in Wireless Technologies", during 18/1/2021 to 23/1/2021, Organized by Department of Electronics and Telecommunication and Department of Information Technology.
- Ms. Pranavi Mhatre and completed one month distance learning course on " Essentials of Patent “organized by WIPO during 11/12/2020 to 11/1/2021.
- Ms. Priyanka Kadam completed four-week FDP on Pedagogy Workshop on How to teach Programming Basics organized by IIT Bombay during 16/12/2020 to 6/1/2021.

**“None can destroy iron, but its own rust can! Likewise, none can destroy a person, but its own mindset can!”**

**----- By Ratan Tata**