

EXTC- News Letter

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

July -December-2020

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 and Institute NAAC accredited from 2018-2023 .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 & Telecommunication 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

Dr. Shubhangi Kharche

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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

- IEEE SIESGST organized National level Poster making Competition “DesignIt” during 7/7/2020 to 8/7/2020.
- IEEE SIESGST Organized international live series titled “Live with Alumni: After Graduation” Under this : Ep:1 Cracking MS with Aditi Kulkarni was conducted on 18/7/2020.
- IEEE SIESGST organized Webinar on IEEE Xtreme Info-session students on 15/8/2020.
- Organized FDP on “Use of Games & Simulations in Teaching” on 10/9/2020 FDP was conducted by Mr Srikanth Shiralkar, Tata Consultancy Services.
- IEEE SIESGST conducted IEEE’s 24 hours international coding competition “IEEE Xtreme 14.0” on 24/10/2020.
- IEEE SIESGST Student Branch Released a weekly tech news bulletin **Enigma Tech Sundays**: Weekly Technical News on YouTube Channel on 11/10/2020, 18/10/2020 and 25/10/2020.
- IEEE day was celebrated on 10/10/2020
- SIESGST Student Branch conducted Day 1 of webinar series ML and DL on 31.10.2020
- IEEE SIESGST Student Branch conducted Day 2 of webinar series Cloud computing on 1.11.2020
- IEEE SIESGST Student Branch conducted Day 3 of webinar series LaTeX on 8.11.2020
- IEEE SIESGST organized a guest lecture on topic smart antennas and MIMO antennas by Dr. Ashwini Kotrashetti on 27/11/2020.
- IEEE SIESGST and CSI SIESGST organized a coding competition Inspect Element 1.0 for students during 26/11/2020 to 4/12/2020
- Organized and conducted FDP on "Internet of Things" under IQAC by senior expert Mr. Prasad

Ghag from Tata Consultancy Services on 6/11/2020.

Organized and conducted FDP on USE of Games and Simulations in teaching on 10/9/2020 ,session was conducted by Mr.Srikant Shiralkar, Tata Consultancy Services .

- IEEE SIESGST in collaboration with Literary Team of SIESGST organized a webinar on Technical paper writing by Anjali Deshpande on 1/12/2020.
- Organized a seminar on Virtualization and 5G on 19/12/2020. Session was conducted by Mr. Binay Singh from Teleman.

Academic/ Technical achievements of students:

- Sahil Pednekar, Swapnil Vishwakarma, Prathamesh Thakur, Sakshi Shetty, Poonam Bonde from third year won the national level video making competition organized by IEEE student branch, DBIT, Mumbai. during 1/7/2020 to 6/7/2020.
- Harsh Agrawal achieved “Runner UP” excellence performance certificate in IDEATE-business plan competition on 7/8/2020 organized by EDC SIESGST.
- Cibin Chandrasekhar, Jagjeet Singh, final year students and Kartik Iyer ,third year student from computer department got RUNNERS-UP certificate in Debate competition ,IEEE INTERNATIONAL CONGRESS organized by IEEE BANGLADESH during 9/8/2020 to 10/8/2020.
- Harsh Agrawal BE EXTC and Aditya Biradar PPT were the Winner of Poster presentation competition on COVID19-ROLE OF ICT by IEEE Computer Society, Hyderabad Section.
- Aditya Singh student of third year got runner up in Webpage Wonders organized by IEEE MBIT Computer Society on 3/10/2020.
- Cibin Chadrsekhar student of final year was the winner-of Spacecraft Service Website Exodus Front-End Web Dev Challenge organized by IEEE Manipal on 4/10/2020.
- Aditi Rao student of Third year was the winner-of Restaurant Website Exodus Front-End Web Dev Challenge organized by IEEE Manipal on 4/10/2020.
- Tanvi Joshi student of final year, Karthik Iyer third year student from computer branch and Abhishek Joshi third year student from computer branch got world wide 502nd position and in India 55th position and in Mumbai 3rd position in IEEE Xtreme 14.0.
- Cibin Chandrasekhar student of final year was the Winner of “National Debate Competition IGEN 2020” organized by IEEE Hyderabad on

10.10.2020.

- Mr.Cibin Chandrashekhhar final year student secured 3rd position in a Excursion by IEEE MBIT, Araria, Bihar National Level competition on 05.11.2020.

Quote from the Editor's Desk:

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

Swami Vivekananda

- Atharv Karnik and Diksha Adake ,Final year students received promising paper award to paper "Low cost compact theft detection system using MPU-6050 and Blynk IoT platform ,presented in IEEE Bombay Section Signature conference IBSSC-2020 "held between 4/12/2020 to 6/12/2020

Faculty Achievements :

- Dr.Preeti Hemnani Published a paper on title" Gas Leakage Detection System "in IJRAR a UGC approved journal ",
- Dr.Preeti Hemnani Published a paper on title" Design of Probe for NQR/NMR detection" in IJECE a scopus indexed journal.
- Dr. Shubhangi Kharche Published a paper titled "Optimizing network lifetime and QoS in 6LoWPANs using deep neural networks" in SCI Indexed Elsevier Journal July 2020.
- Dr.Shubhangi Kharche presented a paper on "Detection and correction of potholes using machine learning" in ICCCMMLA Springer conference 2020 .
- Prof.Priyanka Kadam Published a paper on title " Automated ration distribution system" in IJSREM ,a UGC approved journal.
- Prof.Vaishali Mangrulkar published a paper on Title "Smart Electric Meter Reading System" in IJRAR, a UGC approved journal.

Student Development Programs:

- Aditi Kulkarni interacted with current students in the session "Live with Alumni: After Graduation" on 18/7/2020.
- Shyam Arumugaswamy interacted with students through webinar by Alumni titled "Lets Play with Data"on 15/7/2020.
- Online interaction of students on topic Talking Tech with 2019 pass out alumni Nivedita Deshpande through Instagram was conducted on 10/10/2020 by IEEE SIES GST.
- Online interaction with students on topic Non Technical side with 2019 pass out alumni Aman Rajput through Instagram was conducted on 16/10/2020 by IEEE SIES GST