EXTC- News Letter

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION   **Jan-June-2022**

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. Vaishali Mangrulkar

Prof. Pushkar Sathe

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 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 seven day National technical festival Techopedia-X by IEEE students branch during 14/2/2022 to 20/2/2022.Six events Sqabble, Inquisitive ,Technopreneur ,Quantum Break ,Nexus and Labyrinth conducted during technical festival.

➢ IEEE SIESGST organized one week Technical festival Techopedia-X in January 2022.

➢ IEEE SIESGST Organized and conducted STEM lectures at Municipal School, Nerul on 23/3/2022 and 25/3/2022.

➢ IEEE SIESGST organized SELENIUM: MTTS WEBINAR-Power Beaming and Space Solar on 11/4/2022.

➢ IEEE SIESGST organized SELENIUM:CS WORKSHOP- Unboxing the Web on 11/4/2022.

➢ Dr. Preeti Hemnani organized Webinar on "Follow your path-Career advice" with our Alumni Dr.Anchan Mohan on 28/2/2022.

➢ Dr. Shubhangi Kharche organized Webinar_"5G-IOT-Cloud Technologies with our Alumni Dada suryawanshi on 11/2/2022.

➢ Webinar on "Follow your path-Career advice" with our Alumni Dr.Anchan Mohan on 28/2/2022.

➢ Webinar on"5G-IOT-Cloud Technologies "with our Alumni Dada Suryawanshi on 11/2/2022.

Academic/ Technical achievements of students

5. Ms.Shruti Tiwari, Ms. Shruti Gope ,Ms.Shravya sai , Mr. Vatsal Kore and Mr.Kunal Tamhane received prize of Rs.5000 per student during their Industry Internship Project in Efficient Innovations , Mumbai.
6. · Mr. Vyom Pandey, Pradyumn Joshi, Mr.Deepanshu Singh and Mr. Swapnendu Mukharji received prize of Rs.2500 during their Industry Internship Project in Efficient Innovations , Mumbai.

Faculty achievements

- Dr. Preeti Hemnani and Pranavi Nikam registered copyright for Litter detetction using Machine Learning on 28/3/2022.
- Dr. Shubhangi Kharche registered copyright for CONCEPTUAL FRAMEWORK OF WEBCRAWLER on 27/6/2022.
- Dr. Shubhangi Kharche registered copyright for Analogy between 6G communication network and animal kingdom on 2/3/2022.
- Dr. Shubhangi Kharche registered copyright for CONCEPTUAL FRAMEWORK FOR 6G INTELLIGENT HEALTHCARE on 22/4/2022.
- Ms. Pratibha Joshi Presented paper at 4th International Conference on Intelligent Circuits and Systems (ICICS 2022) April 9, 2022 at Lovely Professional Univ.Punjab.
- Dr. Shubhangi Kharche published a paper titled Interoperability Issues and Challenges in 6G Networks in Journal of mobile multimedia on 4/4/2022.
- Ms. Swati Rane published a paper titled "Effective strategies for detection of abnormal activities in surveillance video streams" in Springer .
- Ms.Priyanka Kadam and Ms. Madhuri Kulkarni published a paper tited " Bandwidth Management for VoIP Calling Through Asterisk" in IEEE Explore.

- Ms. Pratibha Joshi presesnted paper titled ''Review on Pre-processing algorithms for Breast Density Classification using Digital Mammograms'' at "International Conference on Innovations in Computer Science, Electronics and Electrical Engineering (ICICEEE-2022) held at ADCET Ashta, Dist. Sangli,

Student Development Programs:

- Mr. Vishal G., Ms. Vaishali M and Ms.Nita Patil conducted SDP Workshop on Raspberry-Pi during 27/6/2022 to 15/7/2022.
- Ms. Vandana Sawant, Ms. Sonal Hutke and Ms. Hema Raut conducted SDP on Advanced Antenna Design during 27/6/2022 to 4/7/2022.
- Ms. Swati Rane, Mr. Pshkar Sathe and Ms. Shyamala M. conducted SDP on Image Processiong and Machine Learning using python during 27/6/2022 to 15/7/2022.

Seminars/workshops attended by department faculty:

- Ms. Vandana Sawant , Ms. Sonal Hute and Ms. Hema Raut attended HFSS training during 1/6/2022 to 2/6/2022.
- Ms. Vandana Sawant attended STTP on Digital forensic for cybersecurity during 18/6/2022 to 24/6/2022 , organized by D. Y. Patil college of engineering.
- Mr. Biju B.attended FDP of IEEE Sponsored FDP on Education 4.0: Tools for effective NEP2020 implementation during 27/6/2022 to 2/7/2022.
- Dr. Shubhangi Kharche completed certificate course of AWS solutions architect associate on 20/6/2022.
- Mr.Pushkar Sathe and Mr. Vishal Gaikwad attended IEEE's teachers congress during 25/3/2022 to 27/3/2022.

- Ms. Nita Patil successfully completed course on Cybersecurity and the Internet of Things by Corsera in March 2022.
- Ms. Pratibhs Joshi , Ms. Vaishali M., Pranavi Nikam and Ms. Madhuri Kulkarni attended Online Workshop on Do's and Don'ts in Research and Technical Publication during weekends of Feb 2022.
- Ms. Pratibha Joshi and MS. Pranavi Nikam participated in IP Awareness/Training program under NIPAM on 18/2/2022.
- Dr. Shubhangi Kharche attended ATAL FDP on "Design Thinking" at NITTR Chandigarh from 31/12/2021 to 4/1/2022.
- Ms.Vaishali Mangrulkar and Ms. Sonal Hutke attended FDP on "IoT: A Journey from Sensor to Server" from 04/01/2022 to 08/01/2022 organized by A. P. Shah Institute of Technology.
- Dr. Preeti Hemnani attended Resourse Person for Orientation on Miniproject 2B-FPGA and Artificial Neural Networks and Fuzzy Logic on 15/1/2022.

- Ms. Sonal Hutke and Ms. Hema Raut attended orientation on " Electromagnetics and Antenna" by VESIT, Chembur. On 18/1/2022.
- Dr. Shubhangi Kharche and Ms. Pratibha Joshi attended orientation of Linux Skill Lab Orientation Program on 15/1/2022.
- Ms. Priyanka Kadam Attended Digital Forensics Orientation Program on 15/1/2022.
- Mr. Pushkar Sathe attended orientation on Artificial Neural Networks and Fuzzy Logic on 15/1/2022.
- Ms. Swati Rane and Ms. Shyamala M. Attended orientation on Image Processing and Machine vision.
- Mr. Pushkar Sathe completed Coursera course on "Data data everywhere".

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

By Ratan Tata