

EXTC- News Letter

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

July -December-2018

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 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.

Editors

Dr. Preeti Hemnani

Prof. Priyanka kadam

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

- ✓ Prof. Biju Balakrishnan conducted FDP on Orientation on Course file, Handbook, Personal file and Mentor-Mentee scheme on 04-07-2018 at SIES GST with participation of 5 faculties.

Academic/ Technical achievements of students:

- ✓ Atharva Karnik of SE A EXTC successfully completed two NPTEL courses on Computer Architecture & Engineering thermodynamics. (Jul-Oct 2018).
- ✓ Diksha Adke of SE A EXTC successfully completed two NPTEL courses on Computer Architecture and engineering thermodynamics (Jul-Oct 2018).
- ✓ Vishal Raj of BE A EXTC successfully completed NPTEL course on hardware modelling using verilog.

Student Sports achievements:

- ✓ Diksha Adke of SE A EXTC has successfully completed her Praveshika Purna of Classical music Madhyama Pratham.

Faculty achievements :

- ✓ Prof. Preeti Hemnani completed her Ph.D.
- ✓ Prof. Kintu Patel enrolled for Ph.D.
- ✓ Prof. Shishir Jagtap got minor research grant of Rs. 25000 from Mumbai University for the topic "Compact Remote Controlled based

multipurpose frequency reconfigurable antenna for long distance communication".

- ✓ Prof. Kintu Patel got minor research grant of Rs. 25000 from Mumbai University for the topic "UAV based Structural flaw detection using ANN".
- ✓ Prof. Shishir Jagtap received minor research grant of Rs. 35000 from Mumbai University for the topic "Asset Monitoring and Tracking using RFID System".
- ✓ Prof. Pratibha Joshi got minor research grant of Rs. 2000 from Mumbai University for the topic "IOT based Wireless Sensor Network(WSN) for metropolitan cities to monitor air pollution level".
- ✓ Prof. Vishal Gaikwad got minor research grant of Rs. 20000 from Mumbai University for the topic "An Intelligent Green Energy Based IoT Sensor Node for Data Monitoring using WEMOS D1 MINI".
- ✓ Prof. Swati Rane published paper titled "A survey of Nonlocal means image denoising technique and its variants" in ICIETS-International conference on Innovations in Engineering, Technology science 20-21 Sept, 2018 by IEEE.
- ✓ Prof. Sonal Hutke and Prof. Hema Raut published paper titled "Design of RF Energy Harvesting System for Low-Power Electronic Devices" on 2018-10-22 in UGC approved IOSR Journal of Engineering.
- ✓ Prof. Priyanka Kadam, Prof. Prashnat L. Ahire published paper titled "Improving quality of service of WSN network by data Aggregation" in International conference Equinox 2018 on 26/09/2018.
- ✓ Prof. Pranavi M conducted Guest Lecture on EDC-I at Vasandada Patil College of Engineering, Sion on 19/10/2018
- ✓ Prof. Abhishek Kadam organized webinar on RTL Design & Functional Verification by Sivakumar P R CEO, Maven Silicon at SIES GST on 21st Aug 2018.

Student Development Programs:

- ✓ Dr. Preeti H, Prof. Pranavi M, Prof. Sonal J, Prof. Abhishek K conducted SDP on FPGA design using VHDL from July –September (3days) at SIES GST with participation of 14 students.
- ✓ Prof. Shubhangi K. organized SITIP 2018(Summer Industrial Training 2018) by Dr. Jonathan Joshi, CEO, Eduvance Technologies Ltd. from June 19, 2018 to July 19, 2018 for SE and TE EXTC 34 students.
- ✓ Prof. Pushkar Sathe, Prof. Hema Raut conducted SDP on Embedded systems- ARM

- ✓ Mbed workshop from 19-21 Dec. 2018 (3days) at SIES GST with participation of 12 students.
- ✓ Prof. Shishir Jagtap, Prof. Vandana Sawant conducted SDP on Advanced antenna design using IE3D on 1st July 2018 at SIES GST with participation of 18 students.
- ✓ Prof. Biju Balakrishnan and Prof. Madhuri Kulkarni conducted SDP on Analog and Digital Communication mini project competition on 29 sept. 2018 at SIES GST with participation of 40 teams (147 students).
- ✓ Prof. Biju Balakrishnan and Prof. Madhuri Kulkarni conducted SDP on Radiation, sources, hazards and solutions mini project competition on 06 Oct. 2018 at SIES GST with participation of 40 teams (147 students).

Seminars/workshops attended by department faculty:

- ✓ Dr. Preeti Hemnani attended seminar on "Elsevier Research Solutions" by Elsevier Connect At Elsevier on 20-12-2018.
- ✓ Dr. Preeti Hemnani, Prof. Abhishek Kadam, Prof. Pranavi Mhatre attended workshop on "Introduction to Mentor Graphics HEP" by Kamallesh Pansare at Trident Tech Labs on 23-24 Aug 2018.
- ✓ Prof. Vishal Gaikwad attended workshop on "IoT Application Design" by Mr. Rather Sajad at AP Shah Institute of Technology on 26/12/2018 to 28/12/2018
- ✓ Prof. Shubhangi Kharche, Prof. Swati Rane, Prof. Anuradha Pawar, Prof. Vaishali Mangrulkar, and Prof. Pratibha Joshi attended seminar on "Design thinking and data science" by Mr. Shreevastav at ISDI Lower Parel Mumbai on 25/09/2018.
- ✓ Prof. Abhishek Kadam attended workshop on "Advanced topics in embedded system and Robotics" at IITB Eyantra Team on 27/08/2018 to 31/08/2018.
- ✓ Prof. Swati Rane attended seminar on Digital Image Processing by Dr. Suyash Awate and Dr. Ajit Rajwade at IITB from July-Nov 2018.
- ✓ Prof. Prashant L. Ahire attended Faculty Development Program on "Computer Vision and Machine Learning" by Prof. Aparajita Ojha, IIIT DM, Jabalpur and Prof. K. M. Bhurchandi, VNIT, Nagpur at Shri Sant Gajanan Maharaj College of Engineering from 03/12/2018 to 07/12/ 2018.
- ✓ Prof. Anuradha Pawar attended Developer Weekend on AR/VR/MR, ML design thinking and Blockchain by Mr. Javed Khatri, Mr Nilay Chandra, Mr Abhilash Ashok at SIES GST Nerul on 07/09/2018 to 08/09/2018.
- ✓ Prof. Priyanka Kadam attended workshop on Ethical hacking by Kyrionix from 29/09/2018 to 30/09/2018.

- ✓ Prof. Priyanka Kadam, Prof. Anuradha Pawar, Prof. Vaishali Mangrulkar, Prof. Madhuri Kulkarni, Prof. Nita Patil attended STTP on Computer Network and Security by Prof. Lakshmisudha, at SIES GST on 15/11/2018 to 22/11/2018.
- ✓ Prof. Biju Balakrishnan attended seminar on Onscreen marking (OSM) and conduction of University Exams by Dr. Arjun. P. Ghatule at CK Thakur College, New Panvel Mumbai on 1/10/2018.
- ✓ Prof. Pranavi Mhatre attended webinar on RTL Design & Functional Verification by Sivakumar P R CEO, Maven Silicon on 21st Aug 2018.
- ✓ Prof. Pratibha Joshi, Prof. Nita Patil, Prof. Vaishali Mangrulkar Prof. Madhuri Kulkarni, Prof. Priyanka Kadam and Prof. Hema Raut successfully completed "Introduction to research NPTEL course".
- ✓ Prof. Pranavi Mhatre successfully completed NPTEL course on "Architectural Design of Digital Integrated Circuits".
- ✓ Prof. Shubhangi Kharche completed NPTEL course on "Computer Networks and Internet Protocol" in top 2%.
- ✓ Dr. Preeti Hemnani successfully completed NPTEL course on "Hardware Modeling using Verilog" with Elite.
- ✓ Prof. Vishal Gaikwad successfully completed NPTEL course on "Introduction to Industry 4.0 and Industrial internet of things" with Elite.