

# EXTC- News Letter

## DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

July -December-2019

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. Vaishali Mangrulkar

### **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**

- Organized and conducted one week STTP on antennas and RF components design, fabrication and testing during 16/12/2019 to 21/12/2019.
- Successfully completed "Innovation Challenge for Disaster Risk Reduction (DRR)" NMMC project. The project is nominated in DRR-student innovation and prototype competition in disaster management 2019-20.
- IEEE conducted Amazon Alexa workshop on 31/8/2019
- IEEE Student Branch, SIES GST organized 24 hour programming competition "IEEE Xtreme 13.0" on 19/10/2019 5.30AM to 20/10/2019 5.30AM.

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

- Cibin Chandrashekhar, Sidhhant Meshram and .Namit Naik from TE EXTC has secured sponsorship from IEEE Bombay section for attending MTTs conference 2019, Siberia.

### **Sports achievements:**

- Varun Shetty got man of the match for the Football tournament in Reliance foundation youth sports and university college football tournament.

### **Faculty achievements :**

- Prof. Biju Balakrishnan had been invited by K J. Somaiya Institute of Engineering and Technology as a guest speaker on ERROR CONTROL SYSTEMS: ARQ and FEC on 29/8/2019.
- Microwave Theory and Techniques Society (MTT-S) of IEEE SIES GST Student Chapter has received a gift worth Rs 50,000 from IEEE. The trainer kit was received by Prof. Biju. Balakrishnan (IEEE SIESGST Branch Counselor and MTTs Chapter Advisor).
- Prof. Biju Balkrishnan published paper on ("Design ,analysis , simulation and implementation of 3D polar FSK modulator in IEEE Explorer.
- Prof. Shubhangi Kharche successfully completed NPTEL course on Introduction to Learning Analytics with Elite certificate in October 2019.
- Prof Shubhangi Kharche judged IEEE Techopedia event held under cognition at SIESGST on September, 2019.
- Prof. D.Senthilkumar, Prof. Pratibha Joshi, Prof. Kintu Patel and Prof. Vishal Gaikwad presented poster on 16/12/ 2019 at Mumbai University for Minor Research Grant received.
- Prof..Shishir Jagtap completed his Ph.D.for the topic Performance Enhancement of Linearly and Circularly Polarized Microstrip Antenna.
- Prof. D.Senthilkumar has successfully completed NPTEL online certification course on "Basic Electric Circuits" with Elite in December 2019.

### **Student Development Programs:**

- Internship program on FPGA DESIGN USING VHDL for second year students conducted by Dr, Preeti Hemnani and Prof. Pranavi Mhatre during 10/12/2019 to 27/12/2019.
- Internship program on Embedded system-Arm Mbed and Node MCU for second year students conducted by Prof. Pushkar Sathe and Prof. Vaishali Mangrulkar during 6/12/2019 to 20/12/2019.
- Workshop on Linux for second year students was conducted by Prof. Shuhangi Kharche
- Internship program on Embedded System Design Using Arduino" for second year students conducted by Prof.Vishal Gaikwad, Prof. Pratibha Joshi and Prof. Madhuri Kulkarni during 17/12/2019 to 31/12/20219
- Internship program on Web Development Technologies for second year students conducted by Prof. Kranti Bade and Prof. Namrata Patel during 4/12/2019 to 9/12/2019.
- Prof. Madhuri Kulkarni and Priyanka Kadam conducted workshop on Report writing in Latex on 22/10/2019.

- Expert lecture by Alumni A. Shyam of EXTC deptt. on Data Analytics & Machine Learning on 19 September 2019 organized by Prof. Swati Rane and Prof. Sonal Hutke.
- IEEE student branch conducted seminar on women in engineering on 1/8/2019.
- Industrial visit to TIFR ,Colaba was organized by Dr. Preeti Hemnani on 21/9/2019 for final year students.
- Industrial visit to JIO Reliance, Ghansoli, was organized by Prof.Biju Balkrishnan on 5/9/2019 for third year students.
- Industrial visit to TIKONA, Ghanasoli,was organized by Prof..Biju Balkrishnan on 5/9/2019 for third year students.

**Seminar / Workshop / Orientation attended by EXTC Department:**

- Prof. D. Senthilkumar attended STTP on Recent trends and development in modern antennas ,RF and microwave systems dated 1/7/2019 to 6/7/2019 at K.J.Somaiya engineering collage, Sion .
- Prof. Sonal Hutke attended STTP on Recent trends and development in modern antennas ,RF and microwave systems dated 1/7/2019 to 6/7/2019 at K.J.Somaiya engineering collage, Sion .
- Prof. Biju Balkrishnan attended one week STTP on antennas and RF components design, fabrication and testing during 16/12/2020 to 21/12/2019.at SIES GST.
- Prof Vandana Sawant attended one week STTP on antennas and RF components design, fabrication and testing during 16/12/2020 to 21/12/2019.at SIES GST.
- Prof .Shamala Mathi attended one week STTP on antennas and RF components design, fabrication and testing during 16/12/2020 to 21/12/2019.at SIES GST
- Prof Sonal Hutke attended one week STTP on antennas and RF components design, fabrication and testing during 16/12/2020 to 21/12/2019.at SIES GST.
- Prof Hema Raut attended one week STTP on antennas and RF components design, fabrication and testing during 16/12/2020 to 21/12/2019.at SIES GST.

Quote from the Editor's Desk:

“Arise! , Awake! And stop not until your goal is reached.”

SWAMI VIVEKANANDA