

# EXTC-News Letter

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION**

**January –June 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. 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 Telecommunication 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 the 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. Priti Hemnani

Prof. Nita Patil

**Program Educational Outcomes (PEOs):**

- Identify, formulate and solve engineering problems in the Industry, complying with ethical standards and societal needs.
- Pursue higher studies and professional development courses leading to significant advancement in the field of specialization.
- Apply technical concepts to develop applications and design products.
- Exhibit leadership and entrepreneurial acumen in career.

**Program Specific Outcomes (PSOs):**

- Achieve eminence in domains like signal processing, VLSI, embedded IoT, RF & microwave.
- Become technocrats capable of working in multi-disciplinary fields.

**Department Activities:**

- Extc department has organized One week AICTE-ISTE approved STTP on "Neural Network and Deep Learning use Tensor Flow" from 1st Jan 2019 to 5th Jan 2019.
- Extc department has organized a Faculty Development Program on a blooming field of Geo-Informatics titled "Geo-Informatics and related open source software" by SIES Graduate school of Technology, Nerul Navi Mumbai and Graduate School of Engineering, OSAKA City University, Japan from 10-12 Jan'2019.
- Seminar by Alumni Mr. Ameya Kale on "Life after Engineering" dated 2nd April 2019.
- Industrial visit was arranged for third year students at MTNL, Pawai on 6/2/2019.
- Industrial visit was arranged for third year students at SAMEER IIT, Bombay on occasion of Science Day 28/2/2019.
- A very informative guest lecture was conducted by Prof. Aiyappan Pillai, an Excom member, IEEE Bombay Section.
- A workshop on IoT was conducted by Dr. Sourabh Mehta (IEEE Bombay Section).
- Under IEEE, Expert lecture of Prof Aiyappan Pillai was arranged on 18/4/2019 for final year students
- Arduino workshop, 16-2-19 "Embedded System/IoT/Arduino Programming " by Dr. Saurabh Mehta and Mr. Hannan Satopay

**Department Initiatives:**

- Inauguration of a MTTTS (Microwave Theory & Technique Society) chapter under IEEE SIES GST.
- Initiatives towards new COE.
- Soft submission of software related practicals.

**Academic/ Technical Achievements of Students:**

- Nivedita Lokhande of TE A EXTC successfully completed NPTEL course on soft skills.
- Jiten Kunder of BE A EXTC won GST FERIA 2.0
- Aditya Shanbhag and Yuvaraj Mudaliyar of BE-B EXTC conducted workshop for SIES GST students.
- Cibin Chandrashekhar from TE EXTC has secured sponsorship from IEEE Bombay section for attending MTTTS conference 2019,Siberia,
- Sidhhant Meshram from TE EXTC has secured sponsorship from IEEE Bombay section for attending IMaRC 2019,MTTS conference 2019,IIT,Bombay
- Namit Naik from TE EXTC has secured sponsorship from IEEE Bombay section for attending MTTTS conference 2019,Siberia,
- Nineteen groups from final year participated in project competition held in various colleges. Out of which one group is the winner of project competition held at SIESGST and one got consolation prize in project competition held at DMCE, Airoli.
- Fourteen groups from final year published papers in various journals and conference proceedings.

**Student Sports Achievements:**

- Harsh Agarwal of SE A EXTC was among top 4 in TML tug of war.
- Pratik Hegde of BE B won prize in Marshall Arts.

**Cultural Achievements:**

- Pooja Iyer of SE A EXTC won 2nd place in duet singing competition in TML-2018.
- Diksha Adke of SE A EXTC has successfully completed her Praveshika Purna of Classical music Madhyama Pratham.
- Vibha Rawan won 1st prize in intercollegiate folk dance competition in Pillai's COET Panvel.
- Sanchita Hole won prize in solo singing competition.

and Prof. Hema Raut on 16th and 27th March 2019

#### **Faculty Achievements:**

- Dr. Atul Kemkar and Dr. Preethi Hemnani reviewed papers of the 3rd Biennial International Conference on Nascent Technologies in Engineering organized by Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, (India) in its premises in association with IEEE on January 4-5, 2019.
- Prof. Vandana Sawant completed NPTEL course on “Effective Engineering Teaching Practices”.
- Prof. Biju Balkrishnan completed NPTEL course on “Principles of Digital Communications”.
- Prof. Pratibha Joshi, Prof. Vaishali Mangrulkar, Prof. Nita Patil, Prof. Madhuri Kulkarni, Prof. Sonal Jatkar and Prof. Pranavi Mhatre completed NPTEL course on “Roadmap for patent creation”.

#### **Student Development Programs:**

- “Embedded system – ARM Mbed and Node MCU workshop “ organized by Prof. Pushkar Sathe

- “Embedded system – ARM Mbed and Node MCU workshop “ for second year students was organized and conducted by Pushkar Sathe, Vaishali Mangrulkar during 24/6/2019 To 28/6/2019.
- SDP on Arduino organised by department/CoE-IoT

#### **Seminars /workshops/Orientation attended by Electronics & Telecommunication Department:**

- FPGA workshop organized by Biju Balakrishnan
- ML workshop organized by Biju Balakrishnan
- Poster presentation of minor research project by Ms. Pratibha Joshi
- STTP on Industrial IoT System Design from Sensing to Mitigation at K J Somaiya College of Engineering Vidyavihar attended by Pratibha Joshi and Vishal Gaikwad
- FDP “Hands on Mendeleev” was conducted on 30/5/2019 by Dr. Kaustubh Chavan
- Prof. Vishal Gaikwad & Prof. Pratibha Joshi attended STTP on Industrial IoT System Design from Sensing to Mitigation at K J Somaiya COE Vidyavihar.