



Graduate School of  
Technology  
RISE WITH EDUCATION

# *EXTC- News Letter*

## **DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION**

**January-June-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

Prof..Preeti Hemnani

Prof. Vishal Gaikwad

## 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

- ✓ Organised 2 days Hands on workshop for “Internet of Things (IOT)” Mr. Niraj Kapase from 29/07/2017 to 30/07/2017 for the faculty to enhance technical skills.
- ✓ IEEE SIES GST organized Inquisitive (National level Quiz), Circuit Maniacs Under Techopedia 2017 on 15th & 16th Sept. 2017
- ✓ IEEE SIES GST organized Sqabble (Debate) Under Techopedia-6 -- Judge by Guest of honor Mr. Jayamohan R. Nair Deputy Manager from ONGC.
- ✓ 4 weeks, R and Python programming by Sahaj S. and chaitanya MDO (IEEE student council) for the students of SE & TE EXTC.
- ✓ More than 25 various events were organized under IEEE SIES GST Student chapter.

## Academic/ Technical achievements of students:

- ✓ Vishal raj and his team received 50000 research grant by NMMC.
- ✓ Sanjeeb Bharali and Team have been selected for finals of Smart India Hackathon conducted by AICTE.
- ✓ Sanjeeb Bharali and Team published paper in IEEE conference ICECA held during 29-31 March 2018, Coimbatore, Tamilnadu. They also won Third prize in nation level project competition “Electrowiz”.
- ✓ Aamir Khan of SE EXTC won 2nd prize in Inquisitive-(National level Quiz) Under Techopedia 2017 Organized by IEEE SIES GST 15/09/2017 to 16/09/2017.
- ✓ Krishnanand Jha of SE EXTC won First prize in circuit-Mania Under Techopedia 2017 Organized by IEEE SIES GST 15/09/2017 to 16/09/2017

- ✓ Sharath Chandra of BE EXTC has successfully completed NPTEL course on -Marketing Research & Analysis with ELITE certificate.
- ✓ Errumsetty Bhavya Priya of BE EXTC has successfully completed NPTEL course on Fundamentals of Database Systems with ELITE certificate.

## Student Sports achievements:

- ✓ Mr. Edison Durai, Mr. Rahul Nadar & Mr. Anurag Shenoy of TE EXTC secured First place in intra-collegiate football tournament.
- ✓ Mr. Tamil Arasan of TE EXTC secured second place in intra box cricket tournament.
- ✓ Mr. Vivek Kadian of TE EXTC won Silver Medal in intra collegiate volleyball tournament.

## Faculty achievements :

### Minor research grants:

Following faculties got minor research grants from Mumbai University

Sr.No	Principal Investigator	Topic	Grant (Rs.)
1	Vandana Sawant	Human Skin As Touch Sensor	15000

- ✓ Prof. Preeti Hemnani published paper in Int. J. Instrumentation Technology, Vol. 2, No. 1, pp.34–49(IJIT), Inderscience, published paper in Lecture Notes on Data Engineering and Communications Technologies, Springer, published paper in International Journal of Electronics and Computer Engineering, Scopus Indexed.
- ✓ Prof. Shubhangi Kharche published paper on “ Effect of radio link and network layer parameters on performance of Zolertia Z1 motes based 6LoWPAN” July 3-5, 2017, 8th ICCNT, IIT Delhi, published paper in International Journal of Pure and Applied Mathematics, published paper in Helix, The Scientific Explorer.
- ✓ Prof. Biju Balakrishnan published paper in IEEE Explore Digital Library, Feb 15, 2018, pp 018-022 and in IEEE Explore Digital Library, Feb 15, 2018, pp 049-052.
- ✓ Prof. Vandana S. published paper in Journal of Emerging Technologies and Innovative Research (JETIR) 2018 JETIR May 2018, Volume 5, Issue 5.
- ✓ Prof. Priyanka Kadam published paper on “ Bandwidth Comparison for SIP and IAX Protocol through Asterisk”, IJIACS ISSN 2347 – 8616, Volume 6, Issue 10, October 2017.
- ✓ Prof. Siva E. secured All India Rank 1 in NPTEL course on "Analog Circuits & Systems through spice simulation"
- ✓ Prof. Preetee Khuperkar secured ELITE with GOLD medal in NPTEL course on “Introduction to research”.

### **Student Development Programs:**

- ✓ Value Added Course on “Embedded System & IOT” was conducted by EXTC department for two weeks from 19 June to 10 July 2017. The speakers were Dr. Jonathan Joshi and Mr. Ganesh Gore, C.E.O and C.T.O of Eduvance. Total 69 students has successfully completed the course.
- ✓ Three days Hands on Training on FPGA Design using VHDL from December 20-22, 2017, by Prof. Preeti H, Prof. Preetee K., Prof. Sonal J, Prof. Pranavi M.
- ✓ Three days Hands on Training on Embedded system from December 20-22, 2017, by Prof. Pushkar Sathe.
- ✓ Three days workshop on Arduino based Embedded system design & introduction to IOT from December 26-28, 2017, by Prof. Vishal Gaikwad.
- ✓ Prof. Shishir J. and Prof. Vandana S. conducted workshop on Antenna design using IE3D on 3, 17 and 19th Feb 2018.
- ✓ Three days workshop on C & C++ from December 26-28, 2017, by Prof. Vivek Ramakrishnan.
- ✓ Prof. Shishir J. and Prof. Vandana S. conducted workshop on Antenna design using IE3D on 20 to 22nd June 2018.
- ✓ Prof. Pushkar Sathe, Vaishali Mangrulkar, Pranjali Thakre, Leena Ladge, Pratibha Joshi, Kintu Patel, Vishal Gaikwad conducted workshop on Internet of Things from 18 to 22nd June 2018.
- ✓ Prof. Vishal G. conducted workshop on Arduino based Embedded system design from 20 to 23rd June 2018.

### **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 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 /Dr. Ajit Rajwade at IITB from July-Nov 2018
- ✓ Prof. Prashant L. Ahire attended FDP on Computer Vision and Machine Learning by Prof. Aparajita Ojha, IIIT DM, Jabalpur

- ✓ 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 complited NPTEL course on Computer Networks and Internet Protocol, NPTEL (IIT Kharagpur) (online) in top 2%.
- ✓ Dr. Preeti Hemnani complited successfully completed NPTEL course on Hardware Modeling using Verilog with Elite.
- ✓ Prof. Vishal Gaikwad successfully completed NPTEL course on Introcuotion to Indusrty 4.0 and Industrial internet of things with Elite.