

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

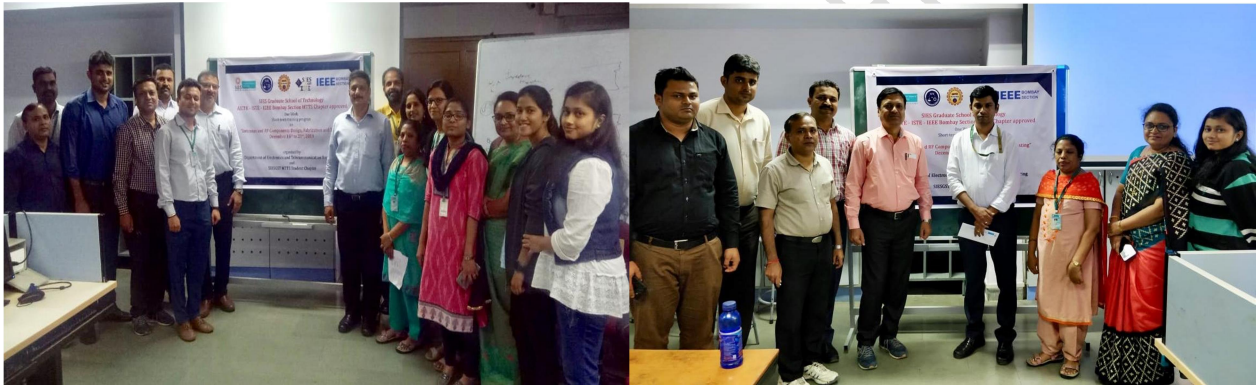
Annual Report 2019-20

1. Academic achievements:

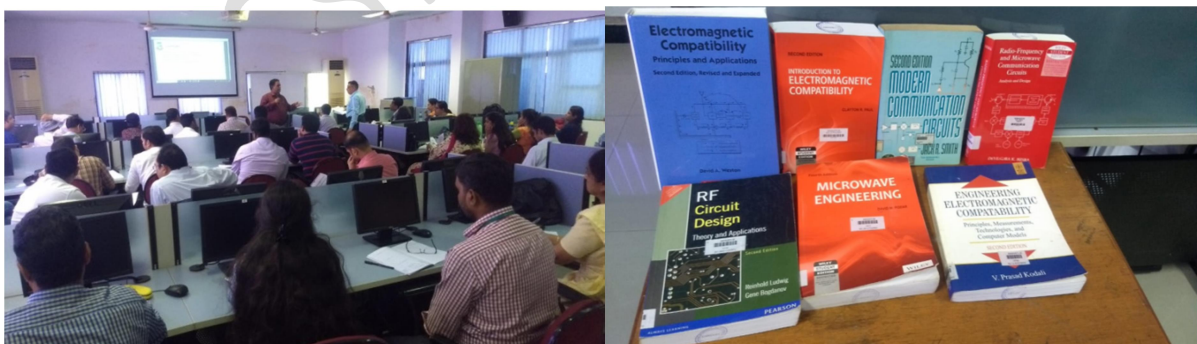
- Dr. Shishir Jagtap completed his Ph.D.
- Prof. Sonal Hutke enrolled for Ph.D
- Prof. Pushkar Sathe enrolled for Ph.D
- Prof. Hema Raut enrolled for Ph.D

2. Department Initiatives:

- Organised and conducted one week STTP on antennas and RF components design, fabrication and testing during 16/12/2019 to 21/12/2019



- Conducted orientation Program on Sem VIII Subject " RF Design" of EXT Engineering, is Organized at SIES GST, for faculties of Mumbai University on behalf of Mumbai University on 8th of January, 2020



3. Academic / technical achievements of students:

- Mr. Navin Subbu, Mr. Anuraag Iyengar, Mr. Sivasubramanian Velmurugan and Mr. Vignesh Iyer final year students got first runner up cash prize 20K in VLSI Design conference 2020 held at Bangalore on 6-8 Jan 2020



- Harsh Agarwal and Aditya Biradar won Digital Poster “Covid-19” Making competition held at MGM Navi Mumbai during 29th April 2020 TO 6th May 2020

4. Cultural / sports achievements:

- Arunkumar Nadar, Priyadarshan and team won the excelsior inter collegiate volleyball tournament held at KEM college during 1st and 2nd February 2020.

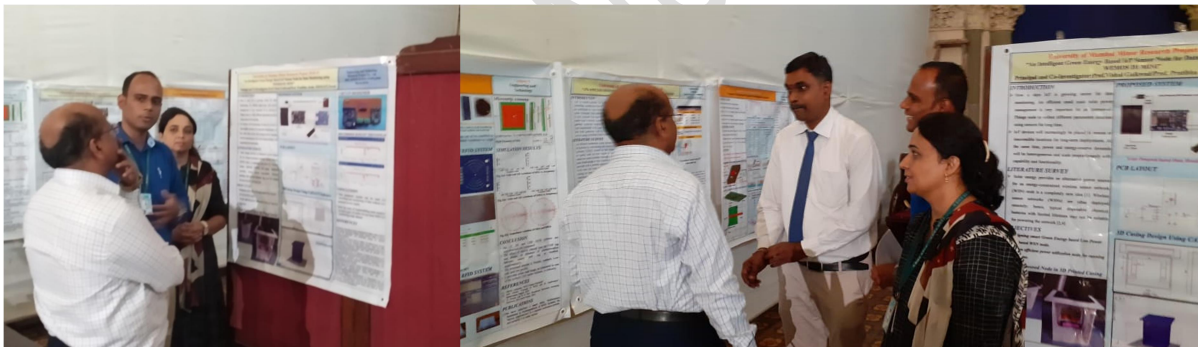


- Varun Shetty got man of the match for Football tournament in Reliance foundation youth sports and university college football tournament.



5. Faculty achievements/Research grants:

- Prof.SwatiRane, presented paper on "Adaptive mean filter technique for removal of high density salt and pepper (impulse) noise", in 5th International Conference on Computing in Engineering and Technology, MGMCE, Nanded, on 9-11 Jan, 2020.
- Prof.BijuBalkrishnan published paper on("Design ,analysis , simulation and implementation of 3D polar FSK modulator in IEEE Explorer
- Prof.D.Senthilkumar,Prof.PratibhaJoshi,Prof.Kintu Patel and Prof.VishalGaikwad presented poster on 16 th December 2019 at Mumbai University for Minor Research Grant received ,



- Dr.Priti Hemnani and Pranavi Mhatre received Rs.20,000 as Minor Research Grant from UOM for the project titled "Real Time litter detection using ML".
- Ms.Sonal Hutke received Rs.20,000 as Minor Research Grant from UOM for project titled "Planar textile antenna for WBAN operating in ISM band" .

6.Seminars/workshops organised by departments:

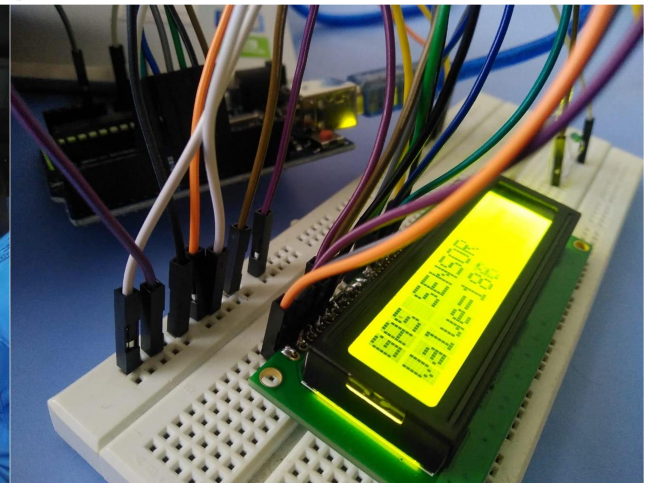
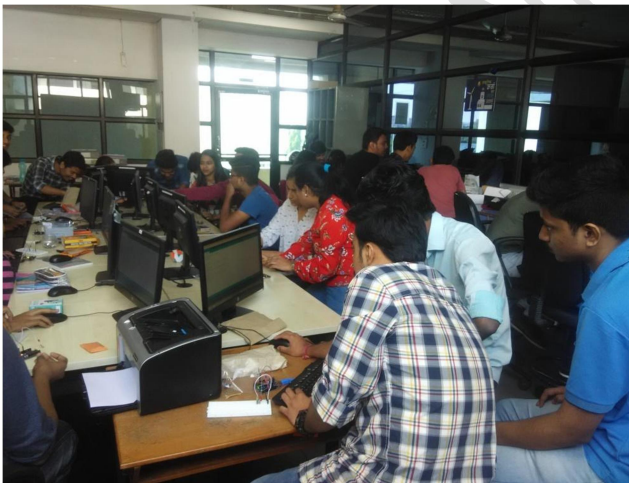
- Internship program on FPGA DESIGN USING VHDL for second year students conducted by Dr,PreetiHemnani,PranaviMhatre during 10/12/2019 to 27/12/2019



- Internship program on Embedded system-Arm Mbed and Node MCU for second year students conducted by prof.PushkarSathe and prof.VaishaliMangrulkar during 6/12/2019 to 20/12/2019



- Internship program on Embedded System Design Using Arduino" for second year students conducted by Prof.VishalGaikwad,Pratibha Joshi and MadhuriKulkarni.during 17/12/2019 to 31/12/2019



- 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.



- Internship program on "Machine Learning & Image Processing" ,organized and conducted by Prof. Swati Rane, Prof. Pushkar Sathe, Prof. Shyamla Mathi and Prof. Kintu Patel during 15/6/2020 To 27 /6/2020.
- Internship program on "Introduction to Arduino, IoT and Interfacing using Simulator software" , conducted by Prof .Vaishali Mangrulkar , Prof. Pratibha Joshi and Prof. Vishal Gaikwad during 15/6/2020 To 26/6/2020.
- Internship program on" C, C++ and Java coding skills", conducted by Prof. Sonal Hutke, Prof. Madhuri Kulkarni and Prof. Priyanka Kadam during 15/6/2020 To 26/6/2020
- Prof.MadhuriKulkarni and PriyankaKadam 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 R. and Prof.Sonal H.



- Interaction with Alumni was conducted on January 04, 2020. Five Alumni Mr.RohanPillai, Mr.Aman Rajput, Mr. Vishal Raj, Ms.NiveditaDeshpande, Ms.PoojaVenkat interacted with faculties and students .

7.IEEE Events:

- 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.BijuBalakrishnan (IEEE SIESGST Branch Counselor and MTTS Chapter Advisor).



- IEEE student branch conducted seminar on women in engineering on 1/8/2019.



- DIGITAL MARKETING workshop conducted by IEEE student chapter on 10/8/2019.
- IEEE student chapter conducted Python workshop-1 on 7/8/2019
- IEEE student chapter conducted on Python workshop-2 on 9/8/2019
- IEEE student chapter conducted. Python workshop-3 on 13/8/2019
- IEEE student chapter conducted Python workshop-4 on 14/8/2019

- IEEE student chapter conducted Amazon Alexa workshop on 31/8/2019



- IEEE Student Branch, SIES GST has organized Line Robotics Workshop on 14/9/2019 for EXTC students.
- IEEE Student Branch, SIES GST has organized soft skill workshop Titled Communication and its Implications on 16/9/2019 for third year and final year students
- IEEE Student Branch, SIES GST organized Seminar on higher Studies Abroad and other competitive Exams on 23/9/2019 for third year and final year students



- IEEE Student Branch, SIES GST organized IEEE Quiz Competition for third year students on 9/10/2019. Quiz was conducted by Prof. Biju Balakrishnan.
- 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.



- IEEE Student Branch, SIES GST. Organized and celebrated IEEE day on 14/10/2019. Chief guest was Dr. Vinit Kotak, Vice Chairperson of IEEE Bombay Section



- The WIE affinity group under IEEE SIESGST Student Chapter in collaboration with the Women's Development Cell at SIESGST celebrated Women's Day on 9th March 2020. On this occasion, a panel discussion on "**Challenges faced by women in today's Social, Cultural and Work Setting**" was arranged. Dr.AnuBinny (HR Technology Practitioner), Mrs.NehaPasoria (Lawyer), Mrs.RachnaSabu (Psychologist & Special Educator), Dr.Manisha S Abhyankar (HOD, Computer Science, KBP College) and Dr.PoojaVyasBansal (Obstetrics and Gynecology) were the panelists for the day from various fields.



- On 12th of February 2020, the IEEE SIESGST student chapter revealed annual magazine of the year 2018-19. The magazine named **Technozine** is a compilation of the multiple events, workshops, and the annual fest Techopedia of IEEE SIESGST conducted in working tenure 2018-2019.

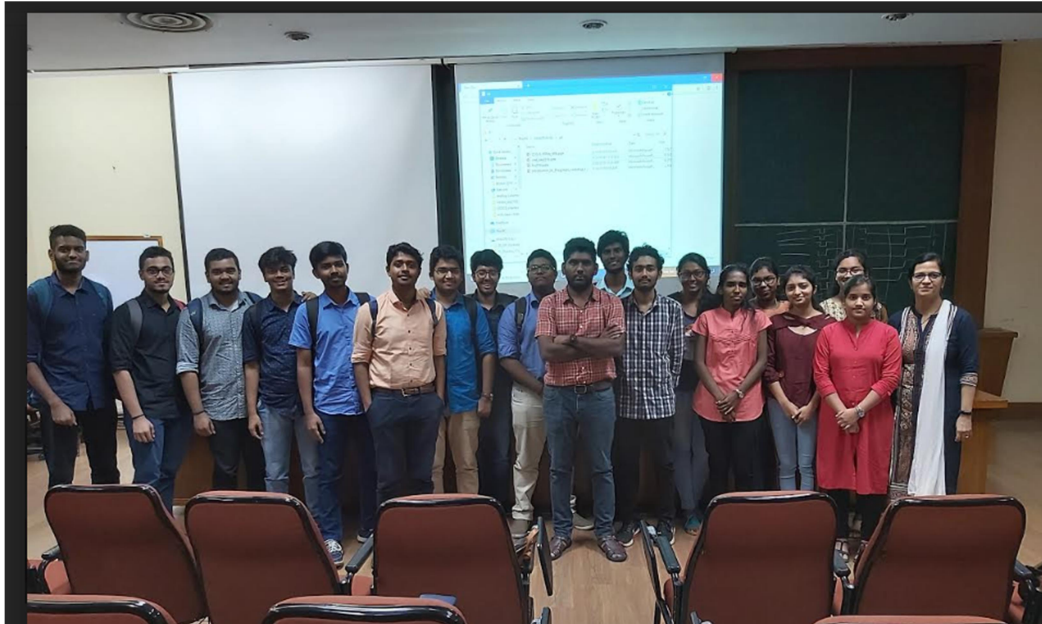


- On 26th February 2020, the IEEE SIESGST student council under the WIE affinity group conducted STEM lectures for students in the 6th standard as a mean to inculcate a sense of curiosity and eagerness to learn and discover more about the fields.



7.Industrial Visits

1. Industrial visit to TIFR ,Colaba is organized by Dr.PreetiHemnani on 21/9/2019 for final year students



2.Industrial visit at IIT SAMEER was organized on 28/2/2020 for third year students.



3.Industrial visit to TIKONA, Ghanasoli,was organized by Mr.BijuBalkrishnan on 5/9/2019 for third year students



1. Industrial visit to JIO Reliance ,Ghansoli, was organized by Mr.BijuBalkrishnan on 5/9/2019 for third year students



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