

**HOPE FOUNDATION'S
FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI**



(APPROVED BY AICTE, RECOGNIZED BY DTE AND AFFILIATED TO MUMBAI UNIVERSITY)

TELE-CONVERSE

Bi-annual Newsletter
OF

**ELECTRONICS AND TELECOMMUNICATION
ENGINEERING DEPARTMENT**

VOLUME 3, ISSUE 1, (1 JANUARY 2019 -30 JUNE 2019)



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List of Faculty/Staff Members in the Department

Faculty Members

1. Prof. (Dr.) Sharada V. Chougule (Associate Professor)
2. Prof. Giri S. Kulkarni (Associate Professor)
3. Prof. Mansi S. Kolwankar (Assistant Professor)
4. Prof. Sujay D. Mainkar (Assistant Professor)
5. Prof. Suhasini S. Goilkar (Assistant Professor)
6. Prof. Rashmi R. Kulkarni (Assistant Professor)
7. Prof. Neha S. Sakhalkar (Assistant Professor)
8. Prof. Vinayak D. Chavan (Assistant Professor)
9. Prof. Asmita A. Chavan (Assistant Professor)
10. Prof. Vijay M. Galshetwar (Assistant Professor)
11. Prof. saurabh S. Athalye (Assistant Professor)

Staff Members

12. Mr. Sandip R. Pardule

Vision

To develop competent professionals who will be able to contribute effectively to the advancing electronics & telecommunication technologies.

Mission

- ✚ To provide quality education through practical knowledge and technical skills.
- ✚ To strengthen industry interaction to meet current and future trends.
- ✚ To inculcate teamwork spirit, leadership qualities and human values.

Program Specific Outcomes (PSOs)

- ✚ Students will be able to showcase knowledge gained in the domains of communication engineering, signal processing, RF/microwave engineering, semiconductor technology, digital and embedded systems.
- ✚ Gain awareness regarding design skills, software packages and telecom standards.

Highlights of the Department

- ✚ Intake of 60 students
- ✚ Well qualified Teaching faculty and experienced Lab Assistant
- ✚ 08 Spacious Laboratories
- ✚ State of the art Equipment / instruments
- ✚ Plenty of electronic components and consumables
- ✚ 55 PCs with good configuration
- ✚ Well Equipped PCB Design Lab
- ✚ Seminar Hall
- ✚ LCD Projector
- ✚ Departmental Library with approximately 200 titles
- ✚ Regular conduction of workshops and Competitions
- ✚ Alumni placed worldwide in renowned companies like IBM, Infosys, Tech-mahindra, L&T-Infotech, Capgemini, Cognizant, TCS, Vodafone, Hengtong etc.
- ✚ Alumni working as Entrepreneurs

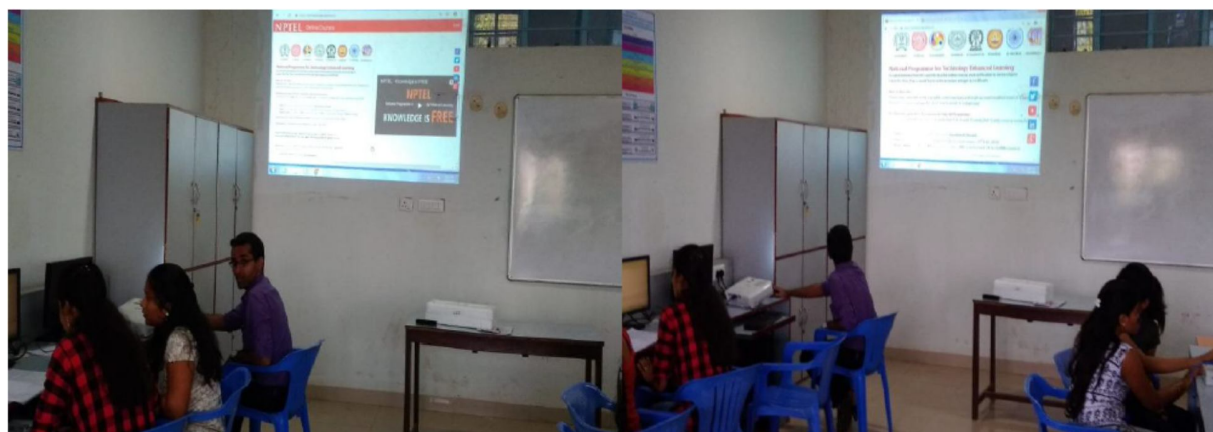
Programs organized by the Department

1] A Seminar on NPTEL

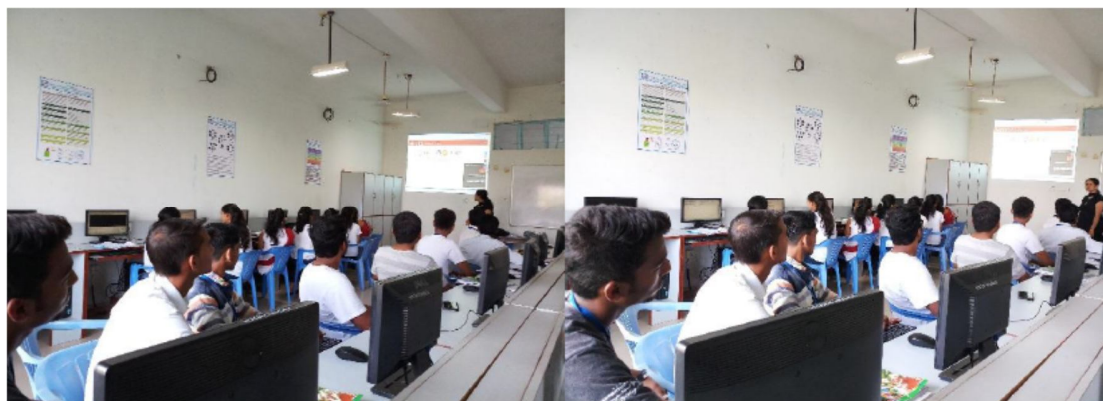
A Seminar on National Programme on Technology Enhanced Learning (NPTEL) was conducted by the department of Electronics & Telecommunication Engineering on 25th January, 2019 for E&TC students. This seminar was conducted by Prof. N. S. Sakhalkar and Prof. S.D. Mainkar respectively. They introduced NPTEL, its importance, structure and usefulness for enhanced learning. They also shared information on various ongoing NPTEL courses and demonstrated the registration process to NPTEL courses. The seminar helped the students to get insight into NPTEL Online Courses and served following objectives:

1. To understand structure of NPTEL
2. To understand the importance of NPTEL for enhancing the knowledge and learning new Concepts on their own.

The students of SE E&TC registered to a variety of NPTEL courses viz. Analog Electronics, Joy of Computing using Python, Principles of Signals and Systems, and Principles of Communication Systems. The students of TE E&TC registered for the courses such as Microprocessor and Microcontroller, CMOS Digital VLSI Design, and Problem solving through programming in C. The seminar was useful to acquaint the students with NPTEL and registering to NPTEL course.



Prof.S.D.Mainkar conducting the session



Prof. N. S. Sakhalkar conducting the session

2] An Awareness Programme on IETE Student Forum

An Informative lecture on Institution of Electronics and Telecommunication Engineers (IETE) & its' Student Forum was organized by the Department of Electronics & Telecommunication Engineering on 28th January 2019.

/Dr. S. V. Chougule, HOD, EXTC briefly explained the objectives of introducing IETE Student Forum in the department. Prof. S. S. Athalye delivered a lecture on Institution of Electronics and Telecommunication Engineers (IETE) - a professional society, its student forum, the procedure for establishment and benefits of the forum to the students. Total 97 students of S.E and T.E. classes attended this program. This program helped the students to get insight into IETE Student Forum and its activities, and served following objectives:

- 1) Motivate students to be part of the professional bodies like IETE.
- 2) Encourage students to enhance technical skills through activities.



Prof S. S. Athalye interacting with students

3] A Seminar on GATE Awareness

A Seminar on 'Graduate Aptitude Test for Engineering (GATE) Awareness' was arranged by the Department of Electronics & Telecommunication Engineering. It was conducted by Mr. Paresh Gugade, Imperial Institute of Excellence, Pune on 29th January, 2019.

Mr Paresh Gugade explained GATE exam, its syllabus, structure, and significance for Engineers to get job in the public sector and to pursue further studies. The seminar helped the students to get insight into the GATE exam and served following objectives:

- 1) To understand syllabus and structure of GATE exam
- 3) To understand the importance of GATE for Post-graduation studies and employment

The seminar was coordinated by Prof. N. S. Sakhalkar.



Mr Paresh Gugde conducting the session

4] A Seminar on 'Introduction to Python Programming and Raspberry PI'.

A Seminar on "Introduction to Python Programming and Raspberry PI" was organized by the Department of Electronics & Telecommunication Engineering on 31st January, 2019 for the E&Tc students. / Dr. S. V. Chougule, HOD, EXTC, welcomed and introduced the resource person Mr. Samrjeet P. Chavan, Business Head & Director, Jeet Fortuneline Pvt. Ltd., Sangli;. The seminar covered topics like introduction and importance of python programming, applications of Raspberry Pi etc.

Mr. Samrjeet P. Chavan briefly introduced Python-an interpreted object-oriented, high-level programming language with dynamic semantics. Its' high-level built-in data structures combined with dynamic typing and dynamic binding. He also explained the benefits of python programming and Raspberry Pi.

The students got insights into the latest technologies through this seminar which served following objectives:

- 1) To get acquainted with knowledge of python programming
- 2) To understand the industry scenario and job opportunities in python.

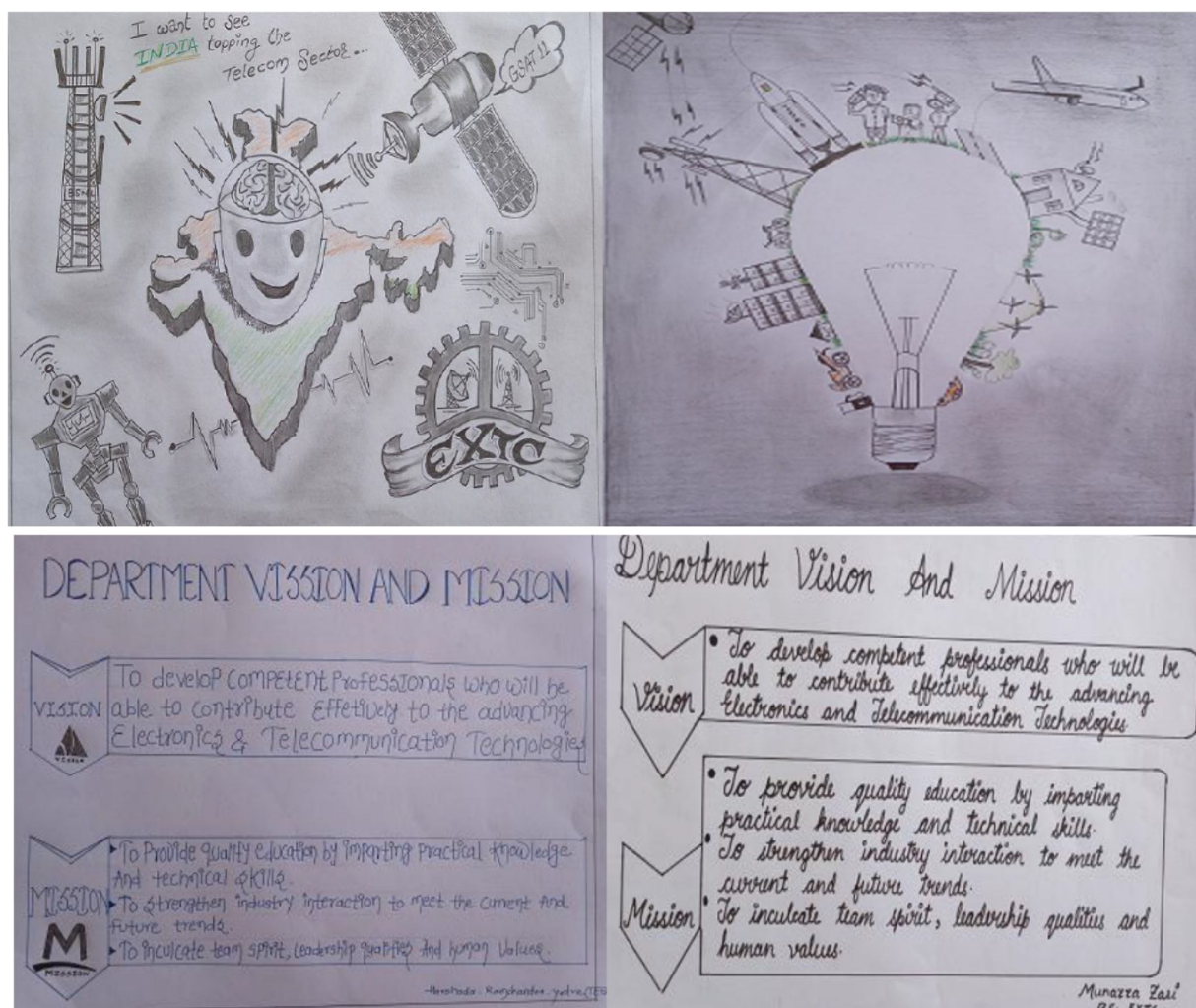


Mr. Samrjeet P. Chavan interacting with E&Tc students

5] Drawing and Hand Writing Competition on Vision and Mission Statements

Association for Students of Electronics and Telecommunication (ASENT) organized a Drawing and Hand Writing Competition on Vision and Mission Statements of the E&TC Department on 1st February, 2019 under the guidance of /Dr. S.V. Chougule (HOD-E&TC department).

/Prof. A. A. Chavan(ASENT Faculty Incharge) coordinated the event to disseminate and propagate vision and mission of the department among the students of E&TC. The students enthusiastically participated in these competitions.



Samples of drawing and hand writing sheets

6] TECHSPRING-2K19

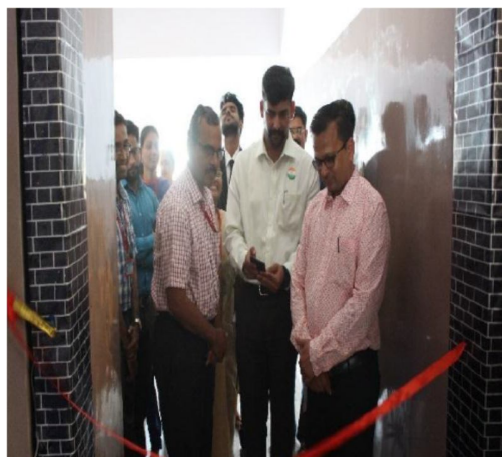
Association for Students of Electronics and Telecommunication (ASENT) organized a technical fest TechSpring- 2k19 with a motto 'SHOW YOUR SKILLS, EXPLORE YOUR TALENTS' from 31st January to 1st February 2019. The Chief Guest Mr. Samrjeet P. Chavan, Business Head & Director - Jeet Fortuneline Pvt. Ltd., Sangli, digitally inaugurated TechSpring 2019 in presence of Dr. Kaushal Prasad, Principal; /Dr. S. V. Chougule, HoD-E&TC Department; Prof. G.S.Kulkarni; Prof. /A. A. Chavan, Faculty Incharge - ASENT; Mr. Sahil Magdum and Mr. Omkar Mali, Student Chief Co-ordinator - ASENT.

The Chief Guest motivated & appreciated the students for systematic organization of the event in his inaugural talk. /Dr. S. V. Chougule, HoD E&TC, emphasized the importance of organizing such events for personal grooming of the students in her address. Dr. Kaushal Prasad,

Principal, focused on significance of the event in career building of students. The dignitaries congratulated the students for a very successful event and praised their teamwork, management skills and collaborative for making fantastic decoration highlighting latest telecom trends.

TechSpring-2k19 encouraged the students to showcase their innovative ideas and technical excellence. Continuing the trend in previous year, there was an overwhelming response from the students of various institutes across Konkan region. Models of satellite and mobile communication created by the students, grabbed the attention of all. The students enthusiastically participated & showcased their talent in Project Presentation, Circuit Building, Technical Powerpoint Presentation, Technical quiz, Spell-Bee, Tech-Photo, Blind fold, Box cricket, Logic master, Mehendi etc. during this techfest.

The programme was successfully concluded with a prize distribution ceremony and a vote of thanks by. Omkar Mali, Chief Coordinator ASENT.



Inauguration of Techspring 2k19



Participation of students in various events Prize Distribution



Prize Distribution Ceremony

7] Farewell – 2K19 to B.E. Students

Association of Students of Electronics and Telecommunication (ASENT) organized Farewell – 2K19 on April 17, 2019. The event was hosted by Mr. Adhiraj Nikam and Ms Jagruti Rane, students of TE E&TC. The program was attended by the entire department.

/Dr. S. V. Chougule, HOD E&TC appreciated the efforts of B.E. students for successfully organizing various events like Parichay, Techspring, and Women's Day celebration. She expressed her best wishes for them. Other faculty members also shared their thoughts and best wishes for B.E. students. Many students of BE E&TC expressed their views regarding their involvement with the department and the Institute.

/Prof. Asmita Chavan (ASENT Faculty In-charge) and /Prof. R.R. Kulkarni under the guidance of /Dr. S. V. Chougule, HOD E&TC coordinated this event.



/Dr. S V Chougule and Prof. G S Kulkarni offering the best wishes to BE students for their future



Students of BE E&TC sharing their experience about E&TC Department



BE E&TC at Farewell-2K19

8] A Four Days Add-on Course on 'Python Programming and Raspberry Pi'

The Department of Electronics & Telecommunication Engineering organized a four days Add-on Course on Python Programming and Raspberry Pi from 28th February to 3rd March, 2019 for E&TC students. Mr. Samarjeet Chavan, Director Jeet Fortuneline Pvt. Ltd, Sangali; was the resource person for this course.

Dr. Kaushal Prasad, Principal FAMT, inaugurated the session. /Dr. S. V. Chougule, HOD E&TC, welcomed and introduced the resource person. The course covered various theoretical topics including introduction to Python, Syntax and Functions in Python, G.U.I using Python, Raspberry pi, and project development using Raspberry pi with hands-on practice.

The course helped students to learn Python programming and to develop the projects using Raspberry Pi. The course was coordinated by Prof. V. D. Chavan & Prof. S. S. Athalye.



Principal Dr. Kaushal Prasad felicitating resource person Mr. Samarjeet Chavan



Principal Dr. Kaushal Prasad addressing students



Resource person Mr. Samajeet Chavan conducting the session



Certificate distribution

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

9] A Digital Awareness Program

The Department of Electronics & Telecommunication Engineering and Association for Students of Electronics and Telecommunication (ASENT) organized A Digital Awareness Program on the occasion of women's day on 8th March, 2019 at Mahila Bachat Gat, Grampanchayat Mirjole, Ratnagiri. /Prof. A A Chavan (Faculty Incharge ASENT) coordinated the program successfully under the guidance of /Dr. S V Chougule, HOD E&TC.

In this program, the students demonstrated online banking, money transfer, payment of bills, online booking etc. The E&Tc students explained the net banking and its importance in this digital era to women in groups. Further, they learnt creating datasheets through Excel and using formulas in Excel-sheet instead of manual computation or calculator.

This program helped members of Mahila Bachat Gat to get insight into the field of latest technologies and served following objectives:

- 1) To get acquainted with knowledge of different applications that can be use daily life and save time and efforts.
- 2) To understand how to use excel for organizing the information in a systematic way.



/Prof. A A Chavan (ASENT Faculty Incharge) & Mr. Omkar Mali (ASENT student coordinator)
interacting with members of Mahila Bachat Gat



ASENT Co-coordinators explaining use of net banking and excel sheet to members of MahilaBachat Gat



Faculty members and students at GrampanchayatMirjole on occasion of Women's Day

Faculty Achievements

1. Ms. Manasi. S. Kolwankar published a paper 'Object Replica using 3D Scanner', in International journal for science and advance research in technology (IJSART) , Volume: 05 Issue: 01, Jan 2019.
2. Mr. Vinayak D. Chavan published a paper 'Review paper on wheelchair control using eye movement', in International journal for science and advance research in technology (IJSART), Volume: 05 Issue: 01, Jan 2019.
3. Mr. Vinayak D. Chavan published a paper 'Portable Biometric Attendance System using Raspberry Pi', in International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 01, Jan 2019, Page 683-686.
4. Mr. Giri S. Kulkarni published a paper 'Biometric Voting Machine using Aadhar Authentication', in International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 02, Feb 2019, Page 256-259.
5. Mr. Saurabh Athalye published a paper 'Survey of Automatic Detection of Diabetic Retinopathy using digital image processing', in International Journal of Computer Sciences and Engineering, Vol.7, Issue.3, pp.352-355, 2019.
6. Ms. Neha S. Sakhalkar successfully completed NPTEL online course on 'Introduction to Research' with ELITE grade (78% score).

Student's Achievements

1. Ms. Anushka Kadam, Ms. Mahima Isware and Mr. Durwankur Mestri published a paper 'Object Replica using 3D Scanner', in International journal for science and advance research in technology (IJSART) , Volume: 05 Issue: 01, Jan 2019.
2. Ms. Renuka Sawant, Ms. Mayuri Talekar, Ms. Neha Salvi and Ms. Rutuja Shetye published a paper 'Portable Biometric Attendance System using Raspberry Pi', in International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 01, Jan 2019, Page 683-686.
3. Mr. Swapnil Chari, Ms. Pooja Dandekar Ms. Pritee Ghag and Ms. Gauri Kadam published a paper 'Biometric Voting Machine using Aadhar Authentication', in International

Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 02, Feb 2019, Page 256-259.

4. Ms.Dipali More, mr. Ankoo ghosh, Ms. Urmila Bodkhe and Ms. Muniza Fondoo secured first rank for their project 'Controller based thermo electric refrigerator' in Department Wise Best Project Award Competition 2018-19 Organized by Research, Development & Consultancy Committee (RDCC) of FAMT, Ratnagiri.
5. Ms. Renuka Sawant, Ms. Mayuri Talekar, Ms. Neha Salvi and Ms. Rutuja Shetye secured second rank for their project 'Portable Biometric Attendance System' in Department Wise Best Project Award Competition 2018-19 Organized by Research, Development & Consultancy Committee (RDCC) of FAMT, Ratnagiri.
6. Mr. Abhishek Bhatkar, Mr. Saurabh Dandekar, Ms. Shriya Gokhale and Ms. Ifrah Bhatkar secured third rank for their project 'Multi-Protocol Label Switching Based Virtual Private Network' in Department Wise Best Project Award Competition 2018-19 Organized by Research, Development & Consultancy Committee (RDCC) of FAMT, Ratnagiri.
7. Department's Girl's Kho-Kho team won first prize in the Annual Sports of the FAMT in year 2018-19.
8. Ms. Pooja Patekar won 'Best Attacker'(Kho-kho) award in the Annual Sports of the FAMT in year 2018-19.

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