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TELE-CONVERSE

Bi-annual Newsletter
OF

**ELECTRONICS AND TELECOMMUNICATION
ENGINEERING DEPARTMENT**

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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. Prajakta K. Kotwal (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, etc.
- ✚ Alumni working as Entrepreneurs

Programs organized by the Department

1] One day seminar on 'Internet of Things (IOT)'

A Seminar on Internet of Things (IOT) was conducted by the department of Electronics & Telecommunication Engineering on 21st August, 2018. The seminar was coordinated by Prof. V. M. Galshetwar and conducted by Mr. Manish Singh, HEAD, Marketing, ATS INFOTECH PVT. LTD. Dr. S. V. Chougule, HoD, EXTC, welcomed and introduced the resource person. This seminar covered fundamental concepts of 'Internet of Things and Cyber Security'. A demonstration on Cyber Security was given to create awareness about network security issues. This program helped the students to get insights of latest technologies and served following objectives:

- 1) To be aware of increasing cyber-crimes.
- 2) To learn, understand and use of IOT and its applications worldwide.



Resource person with students and staff members

2] One Day Seminar on 'GATE'

A Seminar on Graduate Aptitude Test for Engineering (GATE) was organized by the department of Electronics & Telecommunication Engineering on 25th August, 2018. The

seminar was coordinated by Prof. N. S. Sakhalkar , introduced by Mr. Sanjeev Chavan, TIME and conducted by Mr. Supratim Chakraborty, HOD GATE, TIME.

Dr. S. V. Chougule, HOD, EXTC, welcomed and introduced the resource person. The seminar covered introduction to GATE exam, its syllabus and structure, significance for Engineers for placements in government sector and for further studies.

This program helped students to get insight of the field of latest technologies and served following objectives:

- 1) To acquaint with knowledge GATE exam
- 2) To understand syllabus and structure of GATE exam
- 3) To understand the importance of GATE for Post-Graduation and placement



Mr.Sanjeev Chavan introduced the purpose of Seminar



Resource person Mr. Supratim Chakraborty conducting the session

3] Network Associate Training Program

Department of Electronics & Telecommunication Engineering organized 30-Hours Network Associate Training Program from 29th August to 01st September, 2018 for BE E&Tc students. Mr. Yogesh Hudale (Director, TeleNetworks, Vashi, Mumbai & Alumnus of FAMT) imparted the training programme. It was coordinated by Prof. M. S. Kolwankar & Prof. A. A. Chavan.

Dr. S. V. Chougule (HOD, EXTC) welcomed Mr. Yogesh Hudale and Prof. G. S. Kulkarni introduced him. The training covered various theoretical topics which include Network fundamentals, LAN switching and routing technologies, Infrastructure services and security and hands-on practice on the same.

The training programme helped the students to get insight into networking – real world and career prospects. Dr. S. V. Chougule expressed the vote of thanks.



Prof. G. S. Kulkarni introducing the Mr. Yogesh Hudale (Resource Person)



Resource person interacting with Students during session

4] A Seminar on Importance of Computer Networking

A Seminar on Importance of Computer Networking was organized by the Department of Electronics & Telecommunication Engineering on 31st August, 2018.

Dr. S. V. Chougule, HOD, EXTC, welcomed and introduced Mr. Yogesh Hudale, the resource person. The seminar covered introduction of importance of Computer Networking, needs of Networking, steps of Hacking of Network etc. Mr. Yogesh briefly introduced the ways to find and select career opportunities in the field of networking and guided the students about planning their career in coming three years.

This program helped students to get insight into the field of latest technologies and served following objectives:

- 1) To get acquainted with knowledge of computer networking
- 2) To understand the industry scenario and job opportunities in networking domain



Resource person (Mr. Yogesh Hudale) interacting with students

5] Two days workshop on 'PCB Design'

The department of Electronics and Telecommunication Engineering organized a two days Workshop on "PCB Design" starting from 1st September, 2018. Prof. R. R. Kulkarni and Prof. A. A. Chavan were the resource persons for the workshop.

The workshop aimed at providing knowledge about simulation using Proteus, Layout making using Proteus and making physical PCB. The workshop was inaugurated by Dr. Mrs. S. V. Chougule (H.O.D. E&TC) with an informative and motivational talk on "PCB Designing".

Prof. A. A. Chavan explained the use of Proteus software. The students simulated manual Pulser Circuit and prepared layout of the same in Proteus. Prof. R. R. Kulkarni explained PCB making procedure and do's and don'ts of making PCB. She also explained various circuits which can be used often by the students and motivated them in designing such circuits. The students prepared PCB for Manual Pulser.

Total 52 students of E&TC department were participated with enthusiasm in the workshop. The students shared their feedbacks that they enjoyed learning to design PCB with hands on experience. Mr. S. R. Pardule extended the support for smooth conduction of the workshop.



Inaugural Speech by Dr. Mrs. S. V. Chougule (H.O.D. E&TC) and Interaction of participants with resource persons



Hands on Practice for PCB making

6] Parichay 2K18 and Teacher's Day

The students of Electronics and Telecommunication Engineering department organized and celebrated 'Teachers' Day' and 'Parichay 2K18' on September 08, 2018 under the Association of Students of Electronics and Telecommunication (ASENT). On occasion of **Teacher's Day celebration**, Students of BE conducted lectures on T.E class. This activity helped students to build their confidence and to improve explaining ability.

'**Parichay 2K18**' is celebrated to welcome Second Year students in the department. It started with Sarswativandana. The students welcomed and felicitated the faculty members to show respect and gratitude towards the teachers.

Dr. S V Chougule, HOD EXTC, addressed the students and motivated them to participate in co-curricular and extra-curricular activities for balanced academics. She also focused on 'Ho organizing and participating in such events improve managing skills, leadership and team skills and overall Personality of students'. Prof. G S Kulkarni, Prof. V V Nimbalkar and Prof. A A Chavan congratulated the students for arranging event nicely. ASENT student head, Mr. Omkar

Mali, thanked the entire faculty and the students for their co-operation in arranging the event successfully.

BE students shared information on the Department faculty, Labs and various events previously organized by ASENT through presentation.

The department felicitated Ruhi Ambelkar, Alumni 2017-18 Batch, for securing 20th rank in University of Mumbai. Ruhi shared her views and experiences. The department also felicitated Shruti Karkare for achieving Best Student Award 2017-18.

B.E. students arranged fun activities for S. E. students to enable them to actively participate and interact with seniors..



Students of BE conducting lectures on TE class



Dr. S V. Chougule, HOD EXTC, and Prof. G. S. Kulkarni addressing students



Prof. V. V. Nimbalkar and Prof. A. A. Chavan congratulating students



Dr. S V Chougule, HOD EXTC, felicitating Alumni from batch 2017-18 for their success in academics, co-curricular and extracurricular activities

Faculty Achievements

Journal/Conference Publications

1. Mrs.R.R.Kulkarni published a paper titled 'Convolution using Urdhva Tiryagbhyam' in International Journal for Science and Advanced Research in Technology(IJSART).
2. Ms.M.S.Kolwankar published a paper titled 'Speaking Hand using Raspberry Pi 3' in International Journal of Trend in Scientific Research and Development.
3. Mrs.S.S.Goilkar published a paper titled 'An Efficient Smart Garbage Disposal System-A Review' in International Journal of Trend in Scientific Research and Development(IJTSRD).
4. Mrs.S.S.Goilkar published a paper titled 'Smart Bag with Theft Prevention and Real Time Tracking' in International Journal of Trend in Scientific Research and Development(IJTSRD).
5. Dr. Mrs. Sharada V. Chougule presented a paper on 'Scope & Challenges in Automatic Speech Recognition' in 3rd National Conference on "Changing Technology and Rural Development (CTRD2K18)", held at Rajendra Mane College of Engineering & Technology, Ambav on 21st December 2018.
6. Mrs. S. S. Goilkar presented a paper on 'A comparative study of various image restoration techniques' in 3rd National Conference on "Changing Technology and Rural Development (CTRD2K18)", held at Rajendra Mane College of Engineering & Technology, Ambav on 21st December 2018.

Others

1. Mr. S.D.Mainkar was awarded God Medal for being National Topper with first rank (92% marks) in NPTEL online course conducted by IIT Bombay for subject 'Microwave Integrated Circuits'.
2. Ms. R.R.Kulkarni was awarded Gold Medal for being in Top 1% with 91% marks in NPTEL online course conducted by IIT Khargpur for subject 'Switching circuits and logic design'.
3. Dr. Mrs. Sharada V. Chougule successfully completed NPTEL online course on 'Digital Image Processing' with ELITE grade (82% score).

Student's Achievements

1. Ms. Swarupa Bagade, Ms. Samidha Bagve, Ms. Mitali Hulbatte and Ms. Nilam Bade presented a paper on 'Scope & Challenges in Automatic Speech Recognition' in 3rd National Conference on "Changing Technology and Rural Development (CTRD2K18)", held at Rajendra Mane College of Engineering & Technology, Ambav on 21st December 2018.
2. Ms. Ifrah Bhatkar, Ms. Shriya Gokhale, Mr. Saurabh Dandekar & Mr. Abhishek Bhatkar presented a paper on 'MPLS based virtual private network' in 3rd National Conference on "Changing Technology and Rural Development (CTRD2K18)", held at Rajendra Mane College of Engineering & Technology, Ambav on 21st December 2018.
3. Mr. Ankoo Ghosh, Ms. Dipali More, Ms. Muniza Fondoo & Ms. Urmila Bodke published a paper titled 'A Review Paper on Thermo Electric Refrigerator' in International Journal for Science & Advance research in Technology, Volume 4-Issue 10 in October 2018.

PUBLISHER

Dr. Mrs. Sharada V. Chougule (HOD)
Email – hodextc@famt.ac.in

Editor

Mr. Saurabh S. Athalye
Assistant Professor (EXTC)