



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

TELE-CONVERSE

Bi-annual Newsletter
OF

**ELECTRONICS AND TELECOMMUNICATION
ENGINEERING DEPARTMENT**

VOLUME 2, ISSUE 1, (1 JANUARY 2018 – 30 JUNE 2018)



Contents

1	Department Vision	2
2	Department Mission	2
3	Program Specific Objectives (PSOs)	2
4	Highlights of the Department	2
5	Programs organized by the Department	3
7	Social Activities organized by the department	15
8	Faculty Achievements	17
9	Student's Achievements	18

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. Ashwin B. Chettri (Assistant Professor)
12. Prof. Prajakta K. Kotwal (Assistant Professor)

Staff Members

13. 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

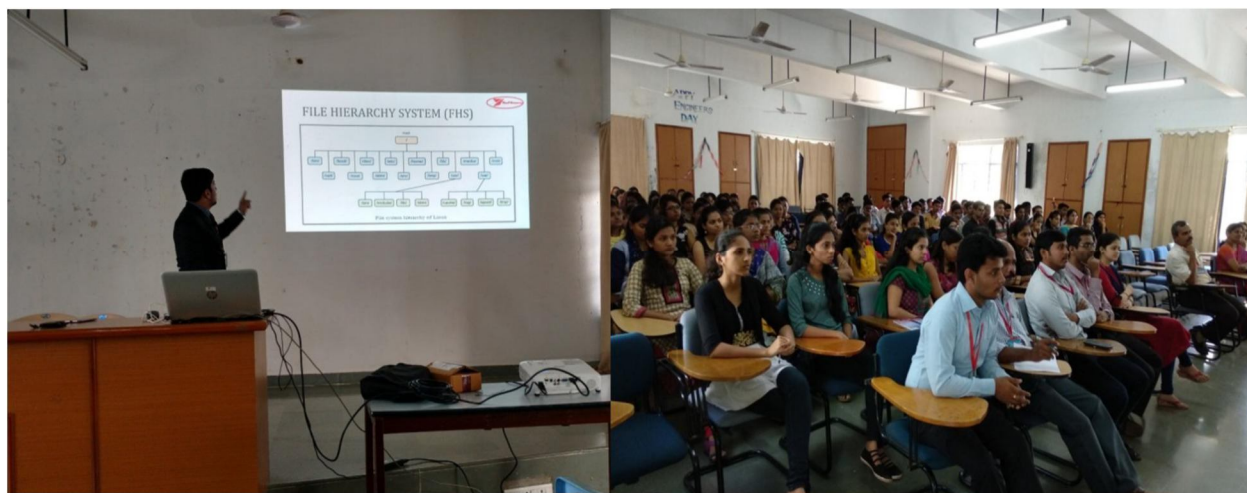
- ✚ Intake of 60 students
- ✚ Well qualified Teaching faculty and experienced Lab Assistant
- ✚ 08 Spacious Laboratories
- ✚ State of the art Equipment / instruments
- ✚ Plenty of electronic components and consumables
- ✚ 55 PCs with good configuration
- ✚ Well Equipped PCB Design Lab
- ✚ Seminar Hall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

Programs organized by the Department

1] Guest Lecture on “Importance of Open Source Software for Computer Communication”

Guest Lecture on “**Importance of Open Source Software for Computer Communication**” was conducted in Finolex Academy of Management and Technology, Ratnagiri by Department of Electronics & Telecommunication Engineering on 24th Jan, 2018. The guest lecture was organized by Prof. G. S. Kulkarni and conducted by Mr. Sumanyu Rao (Telenetworks Technologies, Mumbai).

Dr. S. V. Chougule (HOD, EXTC) welcomed and introduced resource person to all participants. This workshop covered various theoretical topics along with demonstrations which include importance of Red Hat Linux in networking field and career guidance for associated certifications in Telecom-Networking domain.



2] One Day Seminar on “An Introduction to Speech Technology: Automatic Speech Recognition and Text-to-Speech Synthesis”

A one day seminar on “An Introduction to Speech Technology: Automatic Speech Recognition and Text-to-Speech Synthesis” was conducted in Finolex Academy of Management and Technology, Ratnagiri by Department of Electronics & Telecommunication Engineering on 31st Jan, 2018.

The seminar was coordinated by Prof. V. D. Chavan and conducted by Mr. Pranaw Kumar (Senior Scientist, C-DAC, Mumbai) and Mr. Amol Bole (Project Engineer, C-DAC, Mumbai).

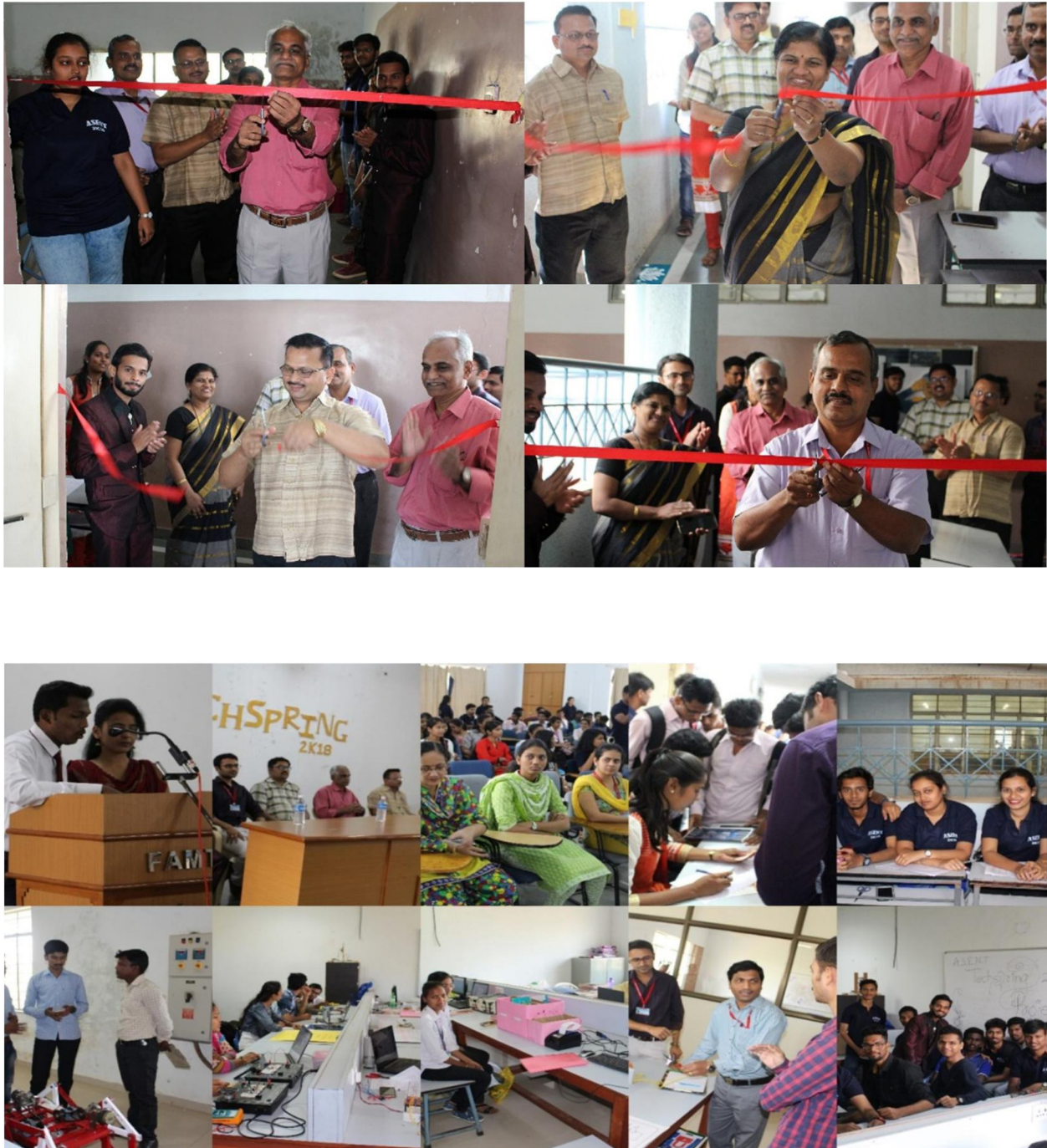
Dr. S. V. Chougule (HOD, EXTC) welcomed and introduced resource persons to all the participants. This seminar covered various fundamental concepts along with live demonstrations which include Automatic speech recognition (ASR) and text-to-speech synthesis (TTS).



3] TechSpring 2K18

Association for Students of Electronics and Telecommunication (ASENT) organized the signature technical event- TechSpring 2k18 on January 29th and 30th. The initiative was to encourage innovative ideas and technical excellence among students. Continuing the trend, this year also saw an overwhelming response and participation of the students from various degree and diploma engineering institutes of the Konkan belt.

Various events which included Project presentation, Circuit Building, Technical paper presentation, Spell-Bee, Tech-Photo, LAN gaming, Big Boss and Robosoccer, Tech Quiz was held as a part of the tech fest. Around 700 students enthusiastically participated in different events. It has certainly facilitated the hidden talents to showcase their technical expertise and has also helped in bringing out and implementing the innovative tech-ideas.



4] Industrial Visit to ISRO, JVS Electronics & Digital Circuits, Bangalore

Industrial visit was organized for the third year students of EXTC department on 01/03/2018 to 07/03/2018. Students visited three companies/organizations: ISRO, JVS electronics and Digital Circuits respectively.

The purpose of the visit was to provide industrial exposure to the students. Forty-nine students from T.E along with 2 faculty members, Ms Prajakta K Kotwal and Mr. Ashwin B Chettri of EXTC department visited these industries. The visit was successfully arranged by EXTC third year students with special effort from Mr. Anuj Oswal, Mr. Saurabh Dandekar and Miss. Shriya Gokhale (student coordinators) under the guidance of Dr. Mrs. S.V. Chougule (HOD EXTC), Ms Prajakta K Kotwal (Asst. Professor) and Mr. Ashwin B Chettri. (Asst. Professor).



5] Women's Day Celebration by "Elocution Competition"

8th March is internationally celebrated as the "International Women's Day". It is an important occasion for all of us to pause for a moment to reflect on ourselves, to appreciate how much has been done and what more needs to be done in the field of gender equality. It is the day to acknowledge all the men and women in the world for making this world a better place for everyone to live in.

As a part of celebration of **International Women's day** on 8 march 2018, department of Electronics and Telecommunication has organized **Elocution** competition for all students. Topics for Elocution were women centric. 15 boys and girls were participated in competition. Prof. P.K. Kotwal welcomed all dignitaries and participants. She read a poem which speaks about social, economic, cultural and political achievements of women. H.O.D Electronics and Telecommunication, Dr. Mrs. S.V. Chougule explained history of Women's day celebration and also advised women to scale new heights in all the aspects of life. H.O.D. Electronics, Prof. G.G. Bhide conveyed his best wishes on this occasion and he explored importance of

women at home and society. Many Participants of competition mentioned that woman is the life giver to the whole human race and it is the responsibility of everyone to give her a respectable status and honor in society. They asked women to empower themselves without waiting for any external agency to help them. In their speech they said, modern women are prospering equally well along with men and competing with men in all fields. Many girl participants said that thought process of women should change and each woman should respect other woman.



6] Case Study Exhibition 2K18

The event “Case Study Exhibition 2k18” was successfully organized by BE EXTC students for subject Telecomm Network Management. The purpose of the event was to demonstrate various theoretical concepts in networking through practical applications. The event was organized on 16th April 2018 under the guidance of HOD EXTC Dr. Mrs. S. V. Chougule and subject teacher Mrs. Prajakta Kotwal.

Students of TE EXTC as well as faculty members of EXTC and Electronics Engineering Department visited this case study exhibition. This event helped the students to explore their concepts of networking in real time applications. In this exhibition students had implemented and demonstrated case study on topics like OTP

generation by using Java for enhancement security, implementing smart home using Cisco Packet Tracer, ATM Machine code development, transfer of mail using SMTP, designing of Hospital Area Network etc.



7] ASENT Bids Farewell to BE Students

Association of Students of Electronics and Telecommunication (ASENT) organized Farewell to BE Students on Monday, April 16, 2018. The event was hosted by students of TE E&TC Mr. Anuj Oswal and Ms Harshada Parab and attended by the entire department. HOD E&TC appreciated the efforts taken by BE students for successful organization of various events under ASENT and expressed her best wishes for their career. The faculty members also shared their thoughts and best wishes for BE students. Many students of BE E&TC expressed their views regarding their involvement with the department and the institute. Mr Anuj Oswal (students of TEE&TC) presented a poem specially written for BE students. Prof. Ashwin Chettri (ASENT Faculty In-charge), Mr. S.R. Pardule, under the guidance of HOD EXTTC Dr. Mrs. S.V. Chougule coordinated this event.



Dr. Mrs. S.V.Chougule (HOD-EXTC) addressing final year students



B.E. batch-2017-18 group photo with faculty members

8] AICTE-ISTE approved One Week STTP on “Digital Image Processing – Issues, Challenges and Research venues”

The AICTE-ISTE Approved One Week STTP entitled “Digital Image Processing – Issues, Challenges and Research Avenues” was jointly organized by Department of Electronics & Telecommunication Engineering and Department of Electronics Engineering from 04 June 2018– 08 June 2018 at Finolex Academy of Management &

Technology, Ratnagiri. The STTP was organized as an attempt to bring academicians and researchers possessing image processing interests under one roof and thus creating a knowledge pool. The STTP was conducted over a span of five consecutive days and was divided into four sessions per day. The following were some of the important objectives of the STTP.

- To provide theoretical & practical knowledge from fundamentals to advanced level in the digital image processing domain.
- To explore the research potential in the field of digital image processing to the aspiring researchers.

There were total 25 participants constituting 09 faculty members from various disciplines of nearby engineering colleges along with 16 in-house FAMT faculties.



Felicitation of Principal



Inaugural speech by Dr. Mrs. S. V. Chougule

Dr. Terence Johnson- HOD MCA and
Associate Professor, FAMT Ratnagiri
Topic: Introduction to Image Processing and
basics of Image operations



Dr. Vinayak A. Bharadi- Associate
Professor, IT, FAMT Ratnagiri
Topic: Hardware interfacing for biometric.

Dr. S. D. Lokhande- Principal SCOE Vadgaon,
Pune

Topic: Inspirational talk highlighting need of
research in academics.



Dr. Mrs. S. S. Lokhande- Professor, E&TC,
SCOE, Vadgaon, Pune

Topic: Gabor Transform as a research tool in
image processing.

Dr. R. B. Dhumale- Assistant Professor,
E&TC, SCOE, Vadgaon, Pune

Topic: Artificial Neural Network and Fuzzy
logic in image processing



Dr. Terence Johnson- HOD MCA and
Associate Professor, FAMT Ratnagiri

Topic: Hands-on session on Image
processing using Java programming

Dr. Y. H. Dandawate -Professor, E&TC, VIIT
Pune

Topic: Computer Vision applications and
machine learning

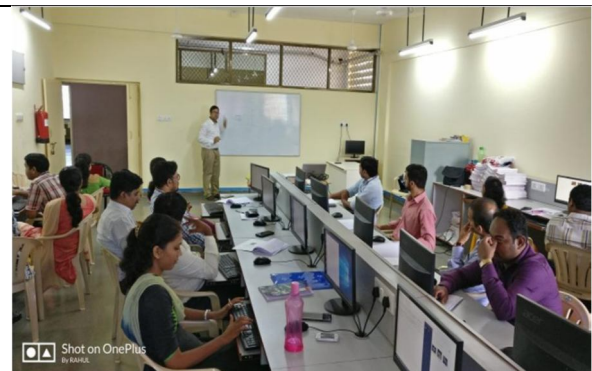


Dr. Terence Johnson- HOD MCA and
Associate Professor,FAMT Ratnagiri

Topic: Image morphology issues and
challenges

Dr. H. Y. Patil -Assistant Professor, E&TC, R.
H. Sapat College Of Engineering, Management
Studies And Research, Nashik

Topic: Hands-on session on introduction to
Python programming



Dr. H. Y. Patil -Assistant Professor, E&TC,
R. H. Sapat College Of Engineering,
Management

Studies And Research, Nashik
Topic: Hands-on session on image
processing using python and OpenCV

Dr. Terence Johnson- HOD MCA and
Associate Professor, FAMT Ratnagiri
Topic: Research avenues in digital image
processing



Dr. H. Y. Patil -Assistant Professor, E&TC,
R.H. Sapat College Of Engineering,
Management Studies And Research, Nashik
Topic: Demonstration on facial part
detection using OpenCV

The STTP was concluded with valedictory function on 8th June, 2018. In the valedictory function few participants expressed their views regarding STTP. The valedictory speech focusing on highlights of one week STTP was delivered by Dr. Mrs. S. V. Chougule. She congratulated the entire organizing team for successful coordination and conduction of STTP.

Finally, the Vote of thanks was delivered by Dr. Mrs. S. V. Chougule (Convener, STTP). She showed her gratitude towards management (Hope Foundation) for financial support and Dr. Kaushal Prasad (Principal, FAMT Ratnagiri) for motivation, mentoring and continuous support throughout the event. She highlighted the immense contribution by organizing team and conveyed thanks to all of them. Lastly, she gave wholehearted thanks to all participating candidates for making the STTP successful.

Social Events by the Department

1] “Donation Drive by Association for Students of Electronics and Telecommunication (ASENT)”

Association for Student of Electronics and Telecommunication (ASENT) had organized a donation drive to “ASHADEEP Matimand Mulancha PalakSangh” located at MIDC Mirjole, Ratnagiri on 24 February 2018.

Tiffin boxes and nonperishable food items were donated for to Aashadeep. Prof. Ashwin Chettri (ASENT Teacher In-charge), Mr. S.R. Pardule, Mr. Rajan Sawant (ASENT Student Head) and students of Electronics and Telecommunication Engineering coordinated the event excellently



2] ASENT organized Engineering and Digital India Programme

Association of Student of Electronics and Telecommunication (ASENT) organized Engineering and Digital India Programme for the students of Shri Mahalaxmi Madhyamik Vidyalaya located at Khedshi, Ratnagiri on March 17, 2018.

Miss Parinita Hadkar of B.E. E &TC, explained the importance of Engineering and the work carried out in various fields of engineering to the school students. Miss Shruti Karkare of B.E. E&TC, gave details about Digital India, a government of India initiative, to the students and teachers of the school. The students of B.E. and T.E. E&TC also demonstrated some projects.

Prof. Ashwin Chettri (ASENT Teacher In-charge), Mr. S.R. Pardule, Mr. Rajan Sawant (ASENT Student Head) and the students of Electronics and Telecommunication Engineering coordinated the event under the guidance of HOD E& TC Dr. S.V. Chougule.



Faculty Achievements

Journal/Conference Publications

1. Prof. Sujay Mainkar, "Fuzzy based routing mechanism for lifetime boosting in wireless sensor networks", IJSART, volume 4, issue 1, Jan, 2018.
2. Prof. Vinayak Chavan, "Audio Based Bird Species Recognition using Naïve Bays Algorithm",IJMTER, volume 5, issue 1, Jan, 2018.
3. Prof. Suhasini Goilkar, "Speaker recognition with various feature extraction and classification techniques: A review", IJCRT, volume 6, issue 2, April 2018.

Others

1. Prof. Giri Kulkarni secured position among top 5% in NPTEL exam for the subject
2. "Microprocessor and microcontrollers".
3. Prof. Asmita Chavan completed the NPTEL course for the subject "Basic Electronics" with ELITE grade.
4. Prof. Neha Sakhalkar completed the NPTEL course for the subject "Basic Electronics" with ELITE grade.
5. Prof. Vijay Galshetwar completed the NPTEL course for the subject "Principles of
6. communication Engineering" with ELITE grade.

Student's Achievements

1. Ms. Shruti Karkare awarded with Best Student for the AY 2017-18
2. Ms. Shruti Karkare awarded with Best Sports Person (female) for the AY 2017-18
3. Ms. Shruti Karkare secured 3rd position in 200 meter at the national level sports festival Skream 2018.
4. Ms. Shruti Karkare secured 2nd position in 100 meter at the national level sports festival Skream 2018.

Publications

1. Aashay Horambe, Sachin Kamble, Pranaya Keer, Sayali Gujar, "Our Own Satellite Network", IJSART, volume 4, issue 1, Jan, 2018
2. Suhela Wasta, Sneha Chavan, Puja Warekar, "Automated Human Machine Interfacing with Arduino", IJSART, volume 4, issue 1, Jan, 2018
3. Tejas Lingayat, Pragati Ramane, Revati Reddi, " Object Fabrication using 3d Printer: A systematic survey", IJSART, volume 4, issue 1, Jan, 2018.

PUBLISHER

Dr. Mrs. Sharada V. Chougule (HOD)

Email – hodextc@famt.ac.in

Editors

1. Prof. Prajakta K. Kotwal
2. Prof. Vinayak D. Chavan