

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**

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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. Madhura K. Zagade (Assistant Professor)

Staff Members

12. Mr. Sandip R. Pardule
13. Mr. Paresh Sambare

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 Educational Objectives (PEOs)

PEO 1	Integration of knowledge	Integrate fundamental knowledge in mathematics & basic engineering sciences to solve real life technical problems.
PEO 2	Implementation and testing	Train students to understand the concepts of simulation, synthesis, implementation and testing to create and analyze different projects in the various fields of Electronics & Telecommunication engineering.
PEO3	Ethics and Human values	Nurture students for effective communication, cultured mannerism, ethical values, and teamwork and entrepreneurship skills.
PEO4	Professional development	Encourage professional development including higher education to produce graduates who will pursue lifelong learning.

Program Specific Outcomes (PSOs)

PSO1	Utilization of Domain specific knowledge	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.
PSO2	Awareness and adaptability to recent trends	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
- ❖ Three Computer Labs with latest configuration
- ❖ Well Equipped PCB Design Lab
- ❖ Seminar Hall
- ❖ ICT Classroom
- ❖ Departmental Library with approximately 327 titles
- ❖ Regular conduction of workshops, Seminars, Training Programs and Competitions
- ❖ Artificial Intelligence & Machine Learning--> Introduced Honours and Minor degree program in Academics to facilitate the students to choose additionally the specialized courses in the emerging areas.
- ❖ Alumni placed worldwide in renowned companies like IBM, Infosys, Tech-mahindra, L&T-Infotech, Capgemini, Cognizant, TCS, Vodafone, Flex etc. Alumni working as Entrepreneurs

Programs organized by the Department

1] Alumni Interaction Session on Career Guidance

An Alumni Interaction Session on 'Career Guidance' was organized by the Electronics and Telecommunication Engineering department on 20 July 2022. Dr Gaurang Prabhudesai (FAMT,EXTC alumni) Postdoctoral Researcher in Nanotechnology. He has completed PhD from Shizuoka University, Japan.

This session was attended by TE EXTC students. The session helped students to know about different career opportunities and role of semiconductors. Dr. Gaurang Prabhudesai interacted with the students regarding different higher studies opportunities in countries like Japan and Germany.

The session was superintended by the Head of Electronics and Telecommunication Engineering Department, /Dr. S. V. Chougule along with Prof. Mansi Kolwankar as the coordinator. The participants showed intense interest in attending such sessions in future too.



Dr S.V.Chougule, HOD EXTC explaining the objectives of Alumni interaction at the beginning of the session



Dr. Gaurang Prabhudesai interacting with TE EXTC Students

2] Five Days Online Training Programme on Cloud Computing

The Department of Electronics and Telecommunication Engineering, Finolex Academy of Management & Technology, Ratnagiri signed a Memorandum of Understanding (MoU) with Gustovalley Technovations, Hosur, Tamil Nadu. Under this MoU, the department organized a '05 Days Online Training Programme on Cloud Computing' from 1st August to 5th August 2022, Time: 09.15 a.m. to 11.15 a.m. for the Final year students. The resource person for the online training programme was Mr Paul Abraham, Industry Expert Trainer, Gustovalley Technovations, Tamil Nadu.

The main objective of the online training programme was to enhance practical knowledge and to develop interest among students in the cutting-edge field of cloud computing. The course contents mainly covered in these 05 days training programme include:

1. **Cloud computing** ▪ Introduction to cloud ▪ Virtualization ▪ Cloud applications ▪ Cloud services ▪ What is Microsoft Azure ▪ Azure portal touring
2. **Virtual Machine** ▪ Virtual machine ▪ VNets ▪ App services ▪ Storage Account
3. **PowerShell** ▪ Introduction to PowerShell with Azure ▪ Virtual machine using PowerShell ▪ VNets using PowerShell ▪ App services using PowerShell ▪ Storage account using PowerShell
4. **DevOps** ▪ Introduction to DevOps ▪ Portal touring with Azure DevOps ▪ Agile Methodology overview ▪ Azure Boards ▪ Azure DevOps Repositories
5. **Azure DevOps** ▪ Introduction to CI/CD with Azure DevOps ▪ Role-based access to azure DevOps ▪ Deployment groups ▪ Cloud careers

Dr Sharada V. Chougule (HOD, EXTC) explained briefly the objectives of organizing the training programme. Final year EXTC students took the advantage of this online training programme.

Prof. S. D. Mainkar and Prof. V. D. Chavan coordinated the training programme under the guidance of Dr Sharada V. Chougule, Head of the Electronics and Telecommunication Engineering Department and the encouragement of Honorable Principal Dr Kaushal Prasad. The participants showed intense interest in attending such sessions in future too.



Dr S.V. Chougule, HOD EXTC explained the objectives of the Training Programme at the beginning



BE EXTC Students during Hands -on Training Session

3] EXTC Department Advisory Board(DAB) Meeting

The meeting of the DAB Committee of Electronics and Telecommunication Engineering Department was held on 20 August 2022 under the chairmanship of Dr S V Chougule, Head of Electronics and Telecommunication department, FAMT, Ratnagiri on Google meet.

Sr. No	Name	Representation
1	Dr S.V.Chougule	HOD, EXTC, FAMT.
2	Dr. M.S.Chavan.	Academician
3	Prof. Samarjeet Chavan	Industry Representative
4	Prof. Yogesh Hudale	Industry Representative
5	Prof. M.S. Kolwankar	Faculty member
6	Prof. R. R. Kulkarni	Faculty member
7	Ms. Riddhi Wasurkar	Student-BE EXTC
8	Mr. Avadhoot Joshi	Student-TE EXTC
9	Mr.Mukul Sagvekar	Student-SE EXTC
10	Ms. Dhanashree Patole	Parent

Prof. M S Kolwankar welcomed the members and read the minutes of the last DAB meeting held on 12-03-2022 and stated the compliance of the various points of the minutes of the meeting by the department. Dr S. V. Chougule, the Head, presented the following points on the academic year 2021-22.

1. Systematic efforts of the department to reach the Vision of the department
2. Academic activities from July 2021 to June 2022
3. Industry- Institute interaction and MoU signed by Department
4. Faculty training, Workshop and Value-added courses conducted
5. Parents meet and induction programs

DAB members expressed their appreciation for the work done by the department in the area of academics, placement and various activities carried out by the department for the students and faculty

members. Dr. Chougule requested all the DAB members to share their viewpoints on the betterment of the department. The suggestions given by DAB members were noted. The meeting ended with a vote of thanks by Prof. M S Kolwankar.

4] Parent Meet

The department of Electronics and Telecommunication Engineering conducted a Parents Meet for S.E. and T.E. Electronics and Telecommunication Engineering Students (2022-23 batch) on 21 August 2022 at the institute.

A common meeting at the institute level was conducted in the presence of the principal - Dr. Kaushal Prasad, all Deans, Heads of departments and class teachers. Principal Dr Kaushal Prasad, emphasized various points like the Purpose of parent meetings, Training activities, Placements and Higher Education details, Institute Recognitions, and Expectations from Parents. Later, a separate meeting was conducted at the department in the seminar hall.

Prof. N. A. Marathe welcomed all the parents. The Head of the department Dr Sharada. V. Chougule addressed all parents on the E&TC department, the Vision-Mission, the Honors and Minors program, the Teaching Learning process, Co-curricular and extracurricular activities, Mentoring system in the department, Alumni interaction and achievements of faculty and students. Many valuable suggestions from the parents were duly noted down. Parents appreciated many activities of the department and suggested continuing the same. Feedback forms were also circulated amongst parents. The meeting was concluded with a vote of thanks by Prof. N. A. Marathe.



Dr S.V. Chougule, HOD EXTC interacting with parents

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

5] Project Exhibition

The Department of Electronics & Telecommunication Engineering (EXTC) and Association for Students of Electronics and Telecommunication (ASENT) has organized “**Project Exhibition**” on 8th September, 2022 at R. B. Shirke High school in Sanmitra Nagar, Ratnagiri.

Prof. Madhura K. Zagade (Faculty member EXTC and Incharge ASENT)

This program is specially designed for 11th and 12th Science students. In this program, The third and final year EXTC student explained the use of different recent programming languages along with its practical examples. After that, EXTC students had given demo of their projects like Automatic Room Lights Control, Digital Door Lock Systems, Automatic Floor Cleaner Robot etc.

11th and 12th Science students of R. B. Shirke High school shown a keen interest in understanding the projects.

This program helped 11th and 12th Science students of R B Shirke High school, Ratnagiri to get insight into the field of latest programming languages, Electronics Hardware components and Circuits and served following objectives:

- 1) To get knowledge of different programming languages and differences between their syntax using execution of basic programs.
- 2) To Understand the features of different electronic components.
- 3) To get ideas about how to use programming languages for developing the Hardware System.



Mr. Pratik Karande (ASENT Committee Member) explaining the recent Programming Languages to students of R. B. Shirke High School



ASENT Co-coordinators explaining projects to 11th and 12th Science student of R. B. Shirke High School



Faculty members and students at R. B. Shirke High School for Project Exhibition Event

6] Engineers Day Celebration

The Department of Electronics & Telecommunication Engineering (EXTC) and Association for Students of Electronics and Telecommunication (ASENT) has organized **“Engineers Day”** on 15th September, 2022.

‘Engineers Day’ is celebrated to show gratitude towards legendary engineer Sir Dr. Mokshagundam Visvesvaraya. Also, recalled his huge contribution towards the nation.

Dr. Kaushal Prasad, Principal of Finolex Academy of Management & Technology addressed students discussing what are qualities of a good engineers and what Engineers can do to build a strong nation.

/Dr. S. V. Chougule, HOD EXTC Department shared her views about roles and responsibilities of students as an Engineers in current era.

All faculty and staff members along with EXTC students were present for this event.



Prof. G. S. Kulkarni motivated students to participate in co-curricular and extra-curricular activities for balanced academics. Prof. / M. K. Zagade, ASENT Faculty In-charge, congratulated students for arranging the event successfully. She motivated students to take part in different activities such as NTRO(National Technical Research Organization). All the speakers wished students on the occasion of ‘Engineer’s Day’.

TE student Mr. Adil Shaikh presented his power point presentation on History of Engineering. On the occasion of Engineer’s Day Celebrations many Technical events were organized in the Department which helps to inculcate the competitive spirit among the budding engineers.

- (1) Speech Competition
- (2) Coding Competition in C Programming Languages
- (3) Electronic Component Recognition

The event was successfully concluded with a vote of thanks by. Mr. Pradnyesh Dhapare, Student

Chief Coordinator- ASENT.

This program served the following objectives:

- (1) To motivate students for the great work done by Sir M. Visvesvaraya towards country and Society.
- (2) To inculcate the Teamwork and Communication Skills in students.
- (3) To create awareness of the responsibility of an Engineer towards Society.



Dr. K. K. Prasad, Principal, / Dr. S. V. Chougule, HOD EXTC expressing their views on occasion of Engineer's Day



Faculty members of EXTC Dept. and students on occasion of Engineer's day



Students participated in various events



Students participated in various events

7] Add-On Course on Major Project

Department of Electronics and Telecommunication Engineering organized an Add-on course on **Major Project** for final year E&TC students from **21/09/2022**. The course covered the following points:

- Plan of execution for BE project
- Literature survey
- How to write a review paper
- How to write a full-length paper
- Plagiarism checking

- Preparation of Major Project -I report
- How to prepare an effective PowerPoint presentation
- Announcement of 'Review paper writing competition

The Add-on course was attended by a total of 60 students. The program started with an outline of Add On course by /Dr. S. V. Chougule, Head of Electronics and Telecommunication Engineering Department.

Prof. R. R. Kulkarni guided the students about how to do a literature survey effectively and how to write a review paper, full-length paper and how to prepare an effective PowerPoint presentation. She also highlighted the procedure to publish their work in reputed journals and conferences.

In the same session, Prof. A. A. Chavan demonstrated plagiarism checking. Explained common mistakes which students make while writing project reports and how to avoid them. Also asked students to keep a record of activities of project work weekly in a logbook.

/Dr. S. V. Chougule, H.O.D, EXTC announced the 'Review paper writing ' competition and asked to submit review papers by 10 October 2022. Certificates will be distributed to all winners and participants.

The course ended with a vote of thanks.



Fig.1. /Dr. S. V. Chougule, H.O.D. EXTC, addressing the gathering



Fig.3 **Prof. R. R. Kulkarni** conducting session Fig. 4 **Prof. A. A. Chavan** conducting session

8] Parichay - 2K22

The Department of Electronics & Telecommunication Engineering (EXTC) under the Association for Students of Electronics and Telecommunication (ASENT) has organized “Parichay - 2k22” on 23rd September, 2022.

‘Parichay-2K22’ is celebrated to welcome Second Year students in the department. /Dr. S. V. Chougule, HOD - EXTC Department , / Prof. M. K. Zagade, ASENT Faculty In-charge, all the Faculty and staff members and the students of EXTC graced the function. The program started with Sarswativandana. The BE students welcomed faculty members to show respect and gratitude towards the teachers.

/Dr S.V. Chougule HOD EXTC, welcomed all for the event and introduced the students to the EXTC branch. She gave detailed information about the department and different events which are organized in the department. She motivated them to participate in co-curricular and extra-curricular activities for balanced academics. /Prof. M. K. Zagade, ASENT Faculty In-charge motivated students to focus on different things such as achieve good Academic score ,use technical knowledge for the betterment of society and work on communication skills which helps to build the personality.

After that one Power-point presentation played which presented all the information about EXTC Department such as Vision, Mission, details of all the faculty and staff members, Events, and Social activities. BE student shared their views related to online and offline journey in the department. TE students also shared the information about the EXTC branch and also they explain need of new subject Honor’s and Minor’s. Department also congratulated students who achieved exceptional grades in the Past Semester Exam by giving a token of appreciation to them.

The event was successfully concluded with a vote of thanks by. Mr. Pradnyesh Dhapare, Student Chief Coordinator- ASENT.ASENT committee arranged refreshment for all faculty members and

students.

BE students arranged different Skills representation ,Drama and Fun Games for SE students to boost their confidence, enable them to actively participate and interact with seniors.

This program served the following objectives:

1. To participate in co-curricular and extra-curricular activities for balanced academics.
2. To improve Communication Skills, leadership and team skills and overall personality of the students.
3. To make the interaction between students of SE, TE and BE.



Sarswativandana by /Dr. S. V. Chougule, HOD EXTC, Prof. G.S. Kulkarni, / Prof M. K. Zagade, Prof. V. D. Chavan, Prof. S. D. Mainkar



/ Dr. S. V. Chougule, HOD EXTC, / Prof M. K. Zagade, Faculty Incharge- ASENT expressing their views on occasion of Parichay - 2K22



Felicitation of students



Students of TE and BE EXTC sharing their views

9] Workshop on Circuit Simulation and PCB Design by IETE

The department of Electronics and Telecommunication Engineering organized a Workshop on **PCB Design** on 26 September 2022. Prof. N. A. Marathe was the resource person and she also coordinated the Workshop with the help of Prof. A. A. Chavan.

The workshop aimed at providing knowledge about simulating the circuit and designing PCB using Express PCB. The workshop was inaugurated by **Dr.S.V. Chougule** (HEAD – E&TC) with an informative talk on PCB Design.

Prof. N.A.Marathe explained the use of ExpressPCB software to simulate and design the PCB of the circuit. The students simulated Mini Project Circuits and prepared a PCB layouts.

A total of 50 students of the E&TC department participated in the workshop. **Mr S. R. Pardule** extended the support for smooth conduction of the workshop.

10] Session on Training and Placement Activities for Industry Readiness

The Electronics and Telecommunication Engineering Department organized a session on “Training and Placement activities for Industry Readiness” on 15/12/2022 for Direct Second Year (DSE) students AY2022-23 of the department. A total of 36 DSE students attended this session.

Prof. Kishore Bhosale, Head of FAMT Training and Placement Cell, FAMT Ratnagiri conducted this session coordinated by Prof. Pratik Kambale (Assistant TPO, FAMT) and Prof. Onkar Dike (Head IIC, FAMT).

Event Objectives:

1. To impart knowledge about Training and Placement Activities
2. To create awareness about Industry Readiness
3. To understand the importance of soft skills, communication and ethics

Dr Sharada V Chougule (HOD, EXTC) shared an introductory address explaining in brief, the objectives of organizing the session. **Prof. Kishore Bhosale** (Head TPO) interacted with students on the following points:

- ☐ Training events being arranged at FAMT
- ☐ Placement activities
- ☐ Industry expectations from fresh engineers
- ☐ Qualities and skills for interviews and placement
- ☐ Student contribution and involvement in industry readiness

Prof. Pratik Kamble (Assistant TPO, FAMT) discussed company-specific training and the process of campus drives.

Prof. Onkar Dike (Head IIIC, FAMT) interacted with students about alumni involvement in these activities, the importance of industry internships and industry visits.

Dr Sharada V. Chougule, Head of the Electronics and Telecommunication Engineering Department encouraged students for active involvement in training and placement activities and also proposed a vote of thanks for resource persons and team members.



Prof. Kishore Bhosale (Head TPO) explaining T and P activities at FAMT



Prof. Pratik Kamble (Assistant TPO, FAMT) discussing company-specific training



Prof. Onkar Dike (Head IIC, FAMT) interacting with students about the importance of industry internships and industry visits

Faculty Achievements

1. Prof. Sujay D. Mainkar has successfully participated in the “ISEA Virtual Presentation Conclave (IVPC - 2022)” conducted by IIT Guwahati, an initiative under ISEA Project Phase-II, Ministry of Electronics & Information Technology (Meity), Government of India on June 23rd, 2022.
2. / Prof. Dr. Sharada V. Chougule attended online Faculty Orientation Program for the subject ECCDLO 7024: Advanced Digital Signal Processing of revised syllabus of Semester VII of B. E. Electronics & Telecommunication Engineering, Rev – 2019 ‘C’ Scheme on 15th July 2022 organized by Department of Electronics & Telecommunication Engineering, Fr. C. Rodrigues Institute of Technology, Vashi on behalf of University of Mumbai.
3. / Prof. Dr. Sharada V. Chougule has successfully completed ISTE approved Online/SF-STTP/FDP Programme on “Next Generation Cloud Computing Tools and Technologies” held during 11th July 2022 to 16th July 2022 organized by Xavier Institute of Engineering, Mahim, Mumbai, Maharashtra.
4. / Prof. Dr. Sharada V. Chougule successfully completed the Five Days Faculty Development Program(FDP) on “Computer Vision in Machine Learning” organized by the Department of Computer Engineering from 17th October 2022 to 21st October 2022 at Datta Meghe College of Engineering, Navi Mumbai.
5. / Prof. Suhasini S. Goikar appreciated as a Reviewer for IEEE MYSURUCON 2022 - The 2nd Edition of the Mysore Subsection Flagship International Conference conducted from 16th to 17th October, 2022.

Student's Achievements

1. Ms. Gad Sakshi Raghoba participated in Indian Folk Dance competition at 55th Inter-Collegiate/Institute/Department Cultural Youth Festival (Selection Round): 2022-23 organized by University of Mumbai at Rajendra Mane College of Engineering and Technology, Ambav, Devrukh, Dist.-Ratnagiri on August 23, 2022 for Zone X (Ratnagiri South).
2. Mr. Manthan Mangesh Jadhav successfully participated in the Online Cyber Security Awareness Quiz held from 15th to 21th October, 2022 on the occasion of International Cyber Security Awareness Month.
3. Mr. Om Santosh Surve successfully completed Gustovalley Technovation's Online Internship on Industry 4.0 from 16th September 2022 to 17th October 2022.
4. Ms. Gargee Sadanand Gaikwad successfully completed Gustovalley Technovation's Online Internship on Industry 4.0 from 16th September 2022 to 17th October 2022.
5. Ms. Madhura Prashant Machkar participated in Poster Making competition at 55th Inter-Collegiate/Institute/Department Cultural Youth Festival (Final Round): 2022-23 organized by University of Mumbai at Vidyapeeth Vidyarthi Bhavan, Churchgate, Mumbai on September 28, 2022.
6. Ms. Machkar Madhura Prashant participated and secured CONSOLATION in Poster Making competition at 55th Inter-Collegiate / Institute / Department Cultural Youth Festival (Selection Round): 2022-23 organized by University of Mumbai at Rajendra Mane College of Engineering and Technology, Ambav, Devrukh, Dist.-Ratnagiri on August 23, 2022 for Zone X (Ratnagiri South).
7. Mr. Rahul Prasad Mhapankar participated and secured SECOND RANK in Skit Group A (Marathi) competition at 55th Inter-Collegiate / Institute / Department Cultural Youth Festival (Selection Round): 2022-23 organized by University of Mumbai at Rajendra Mane College of Engineering and Technology, Ambav, Devrukh, Dist.-Ratnagiri on August 23, 2022 for Zone X (Ratnagiri South).
8. Ms. Jahnavi Milind Terese secured 1st Rank in Speech Competition held at FAMT, Ratnagiri on the occasion of Enginners Day Celebration.

9. Ms. Alina Hasan Khatib secured 1st Rank in Component Recognition Competition held at FAMT, Ratnagiri on the occasion of Enginners Day Celebration.
10. Ms. Iram Ayaaz Pathan secured 2nd Rank in Component Recognition Competition held at FAMT, Ratnagiri on the occasion of Enginners Day Celebration.

Placements of the department

Sr.No	Name of the Student	Company
1	Diya Suhas Potdar	TCS Ninja
2	Pratik Suryakant Karande	TCS Ninja
3	Rina Pravin Patil	TCS Ninja
4	Suhana Shaikhahamad Shaikh	TCS Ninja
5	Siddhi Yogesh Pawaskar	Hexaware
6	Yash Sunil Sawant	Hexaware
7	Riddhi Ravindra Wasurkar	Infocenter
8	Pradnyesh Prashant Dhapare	Infocenter
9	Paresh Sharadchandra Joshi	Infocenter
10	Pratik Suryakant Karande	Infocenter

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