

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 8, ISSUE 1, (1 July 2024 – 31 December 2024)



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List of Faculty/Staff Members in the Department

Faculty Members

1. Prof. (Dr.) Sharada V. Chougule (Professor)
2. Dr. Suhasini S. Goilkar (Associate Professor)
3. Prof. Giri S. Kulkarni (Associate Professor)
4. Prof. Amol R. Sutar (Assistant Professor)
5. Prof. Mansi S. Kolwankar (Assistant Professor)
6. Prof. Sujay D. Mainkar (Assistant Professor)
7. Prof. Neha S. Sakhalkar (Assistant Professor)
8. Prof. Vinayak D. Chavan (Assistant Professor)
9. Dr. Vijay M. Galshetwar (Assistant Professor)
10. Prof. Madhura K. Zagade (Assistant Professor)
11. Prof. Gauri S. Bhosale (Assistant Professor)
12. Prof. Saurabh A. Athalye (Assistant Professor)

Staff Members

13. Mr. Bharat M. Biradar (Technical Assistant)
14. Mr. Sandip R. Pardule (Lab Technician)

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
- ❖ 09 well equipped Laboratories
- ❖ State of the art Equipment / instruments
- ❖ Plenty of electronic components and consumables
- ❖ Three Computer Labs with latest configuration
- ❖ Seminar Hall
- ❖ 03 ICT Classrooms
- ❖ Departmental Library with approximately 367 titles
- ❖ Regular conduction of workshops, Seminars, Training Programs and Competitions
- ❖ Honours and Minor program in Artificial Intelligence & Machine Learning
- ❖ Students placed in renowned companies like IBM, Infosys, Tech- mahindra, L&T-Infotech, Capgemini, Cognizant, TCS, Vodafone, Flex etc.

Programs organized by the Department

Summary

Sr. No.	Name of Program
1	Workshop on MATLAB
2	Expert Session on Importance of Networking and Linux
3	NPTEL Awareness Session
4	Poster Presentation Competition
5	Parichay - 2024
6	A Training Program on “Project Planning and Execution Practices”

1] Workshop on MATLAB

Electronics and Telecommunication Engineering department has arranged Two days' MATLAB workshop, Online session on 18/07/2024 and Offline session on 23/07/2024 .This workshop was organized for TE EXTC students.

Mr. Ankit Kumar, Application Engineer from MathWorks Design Tech System was resource person for this workshop.

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming environment. Furthermore, MATLAB is a modern programming language environment: it has sophisticated data structures, contains built-in editing and debugging tools, and supports object-oriented programming. These factors make MATLAB an excellent tool for learning and research. This workshop was conducted to provide hands-on experience using Matlab.

Objectives:

1. Understanding the MATLAB environment.
2. Able to do simple calculations using MATLAB,
3. MATLAB Tools and its Applications.
4. MATLAB Simulink for various applications.
5. Software and Hardware interfacing.

Dr. S. S. Goilkar, Faculty coordinator of this workshop welcomed the speaker and all participants. Dr. S. V. Chougule, HOD EXTC Department, delivered the address about Matlab workshop. Resource person Mr. Ankit Kumar explained various toolboxes useful in the domain of Electronics, Signal Processing, Communication, Control systems etc. A demo of interfacing Matlab to hardware devices was also given by resource person during the workshop.

The workshop was organized by Electronics and Telecommunication Engineering Department (EXTC), and coordinated by Dr. S. S. Goilkar of EXTC Department, under the guidance of HOD EXTC.

A total of 32 participants from TE EXTC successfully completed the workshop. Students actively participated in the workshop and shared their feedback of this workshop program.



Dr. Sharada V. Chougule HOD EXTC briefing the objectives of the workshop



Resource person Mr. Ankit Kumar conducting the workshop



The students participating in online session

2] Expert Session on Importance of Networking and Linux

Offline session on Introduction to MATLAB was conducted for SE EXTC students on 23/07/2024. Mr. Ankit Kumar, Application Engineer from MathWorks Design Tech System was the resource person for this session.

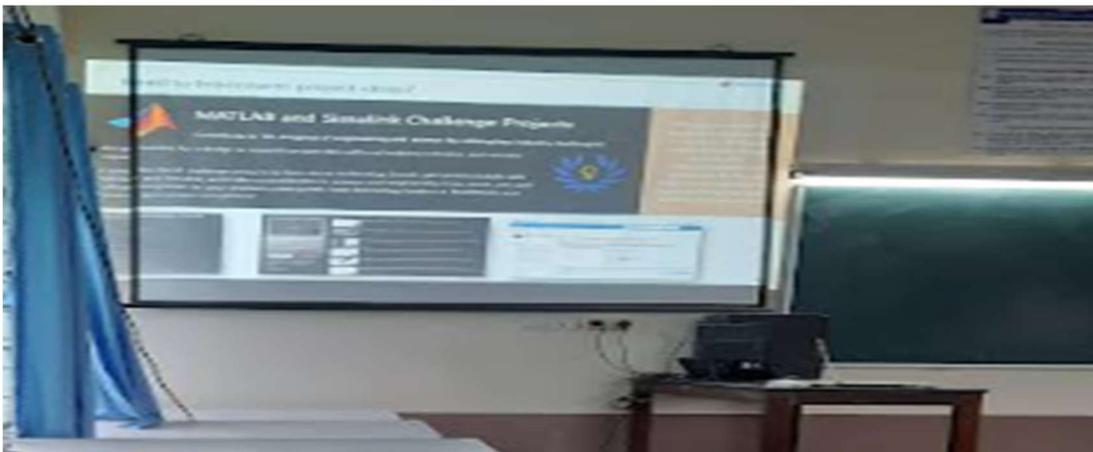
Objectives:

1. Gain a fundamental understanding of MATLAB Software.
2. Learn usefulness of MATLAB Software in various Domains/ fields Electronics and Telecommunication.

A basic introduction of MATLAB, its usefulness in domains like signal processing, image processing, control systems, electric machine drives, neural networks, fuzzy logic, wavelets, simulation, etc. were discussed during this session. Resource person also explained how to use Matlab online as well as various online courses available on MathWorks website.

Dr. S. S. Goilkar, Faculty coordinator of this session welcomed the speaker and all participants. The session was organized by Electronics and Telecommunication Engineering Department (EXTC) and coordinated by Dr. S. S. Goilkar of EXTC Department, under the guidance of Dr. S. V. Chougule HOD EXTC.

A total of 40 participants from SE successfully attended the Session. Students actively participated in the Session and shared their feedback of this session



Session on Introduction to MATLAB



Resource person Mr. Ankit Kumar conducting the session

3] NPTEL Awareness Session

National Programme on Technology Enhanced Learning (NPTEL) is a joint initiative by the IITs and IISc to offer online courses and certification in various engineering disciplines.

In order to create awareness about SWAYAM and NPTEL and its offerings to students, "NPTEL Awareness Session" was organized by Electronics and Telecommunication Engineering Department (EXTC) on 29th July 2024.

The session introduces students to NPTEL and its offerings. Resource persons have guided students on how to enroll in NPTEL courses and the benefits of NPTEL certification. Also, demonstrated the use of NPTEL resources for academic and professional growth.

Prof. Amol R. Sutar, Dr. Vijay M Galshetwar, Prof. Vinayak. D. Chavan, Prof. Saurabh S. Athalye and Prof. Madhura K. Zagade, Assistant Professors of EXTC department were the resource persons for this NPTEL awareness session. These faculty members given the detailed information of NPTEL and latest available courses, registration process to the students of SE, TE and BE EXTC. Registration process for few courses was done by students during the session.

Objectives of the Session:

1. To introduce students to NPTEL and its offerings.
2. To guide students on how to enroll in NPTEL courses.
3. To explain the benefits of NPTEL certification.
4. To demonstrate the use of NPTEL resources for academic and professional growth.

The NPTEL awareness session was organized by the Electronics and Telecommunication Engineering Department (EXTC) under the guidance of HOD EXTC Dr. S.V. Chougule.

This session was successfully attended by SE, TE and BE EXTC students.



Dr. Vijay M. Galshetwar and Prof. Madhura K. Zagade conducting the session for BE EXTC



Prof. Vinayak. D. Chavan and Prof. Saurabh S. Athalye conducting the session for TE EXTC



Prof. Amol R. Sutar conducting the session for SE EXTC

4] Poster Presentation Competition

Electronics and Telecommunication Engineering Department has organized Poster Presentation Competition as a part of Innovation and Entrepreneurship Development Cell (IEDC) activity for all the department students on 12th August 2024.

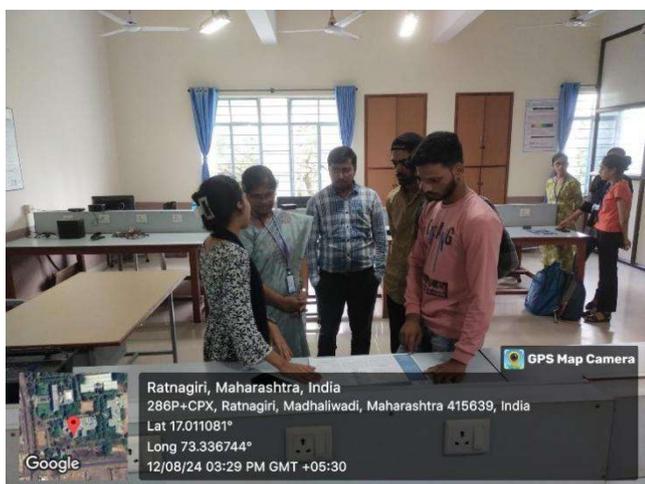
Students actively participated in the competition. They demonstrated their project ideas and explained working principles with the help of posters. Dr. Sharada V. Chougule, HOD EXTC judged their project ideas and guided them for further improvement in the projects.

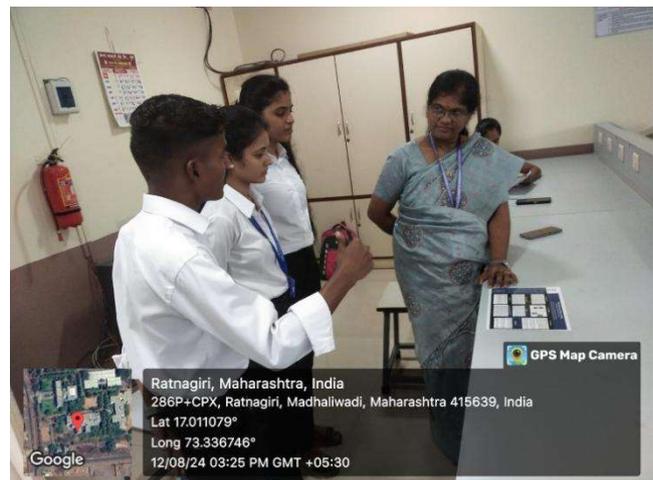
The objectives of this Poster Presentation Competition are:

- Equip students with poster writing skills for highlighting innovation.
- Enable students to improve presentation skills.
- Encourage students to educate others.

The competition was organized by the Electronics and Telecommunication Engineering Department (EXTC) as a part of Innovation and Entrepreneurship Development Cell (IEDC) activity and coordinated by Dr. Vijay M. Galshetwar, Assistant Professor of the EXTC Department, under the guidance of HOD EXTC Dr. Sharada V. Chougule.

A total of 19 participants from all the branches successfully presented their project idea through posters.





Presentations by student participants



Group photo of Dr. Sharada V. Chougule (HOD EXTC), Dr. Vijay M. Galshetwar (Coordinator) and participated students with their presented posters.

5] Parichay - 2024

The Department of Electronics & Telecommunication Engineering (EXTC) under the Association of Students of Electronics and Telecommunication (ASENT) has organized “Parichay - 2024” on 13th August 2024.

‘Parichay-2024’ is celebrated to welcome Second Year students in the department. The Inauguration ceremony was graced by the presence of respected /Dr. S. V. Chougule, HOD - EXTC Department, Prof. G. S. Kulkarni, /Prof. M. K. Zagade, ASENT Faculty In-charge, all the faculty, staff members and the students of EXTC Department. The program started with a brief introduction and lamp lightening and worship of goddess Saraswati who is symbol of knowledge and wisdom.

Dr Sharada V. Chougule HOD EXTC, welcomed all for the event and introduced the students to the EXTC branch. She first appreciated ASENT student’s coordinators for the efforts for systematic organization of the event. HOD talked about the Vision of the department and discussed the steps carried out by department to reach towards the Vision. HOD further gave valuable guidance to students about choosing their career path and starting to work on the same in the right direction.

Prof. G. S. Kulkarni congratulated students for selecting EXTC branch which is dynamic and rapidly evolving field of engineering that combines the Core Electronics, Communication and Information Technology. He emphasized that, apart from mastering technical skills, students should develop a sense of responsibility, ethics, and commitment.

BE and TE students shared their views related to journey in the department. Ms. Anushka Ghanekar, expressed her thoughts as representative from SE class.

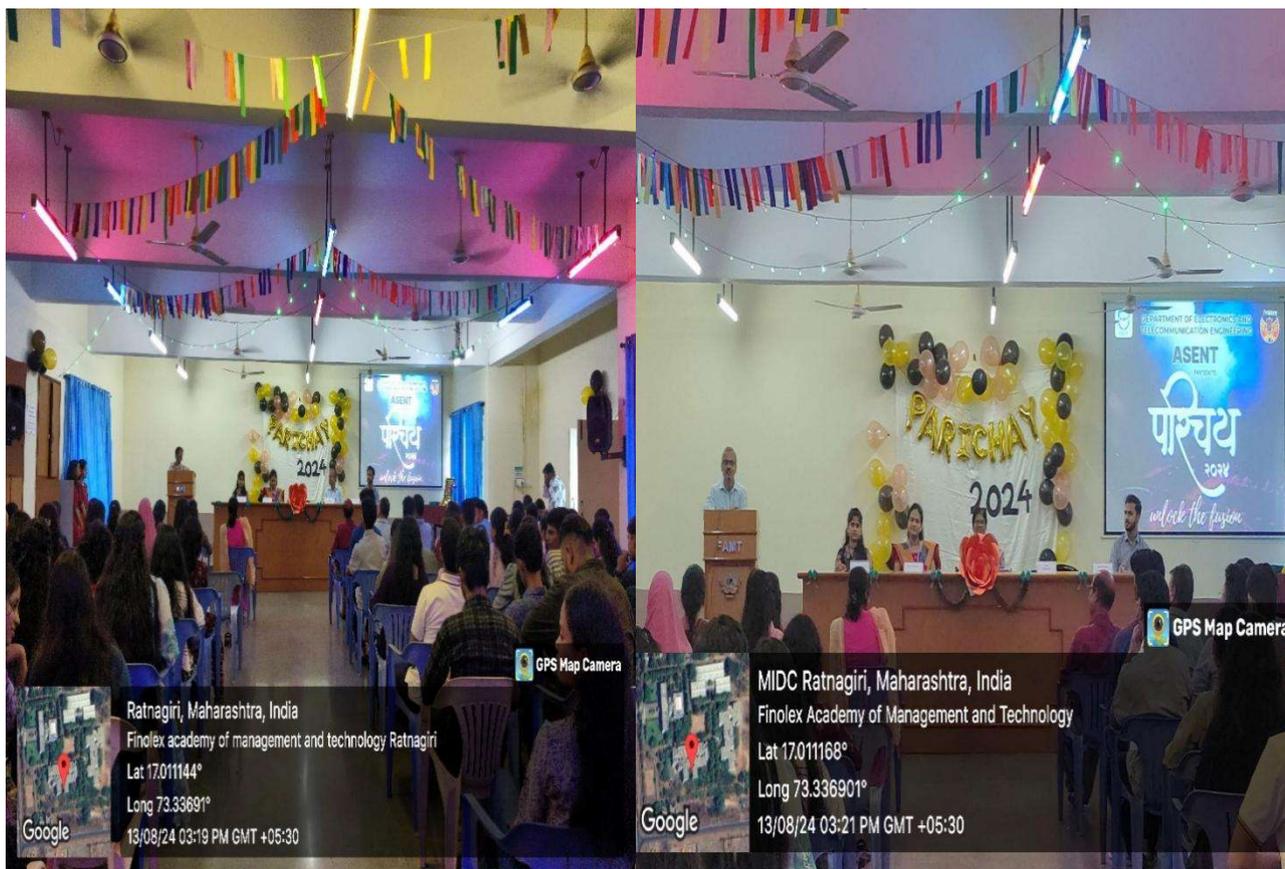
The event was successfully concluded with a vote of thanks by Mr. Rahul Mhapankar, Student Chief Coordinator- ASENT.

BE students arranged different fun games for SE students to boost their confidence, enable them to actively participate and interact with their seniors.

This program served the following objectives:

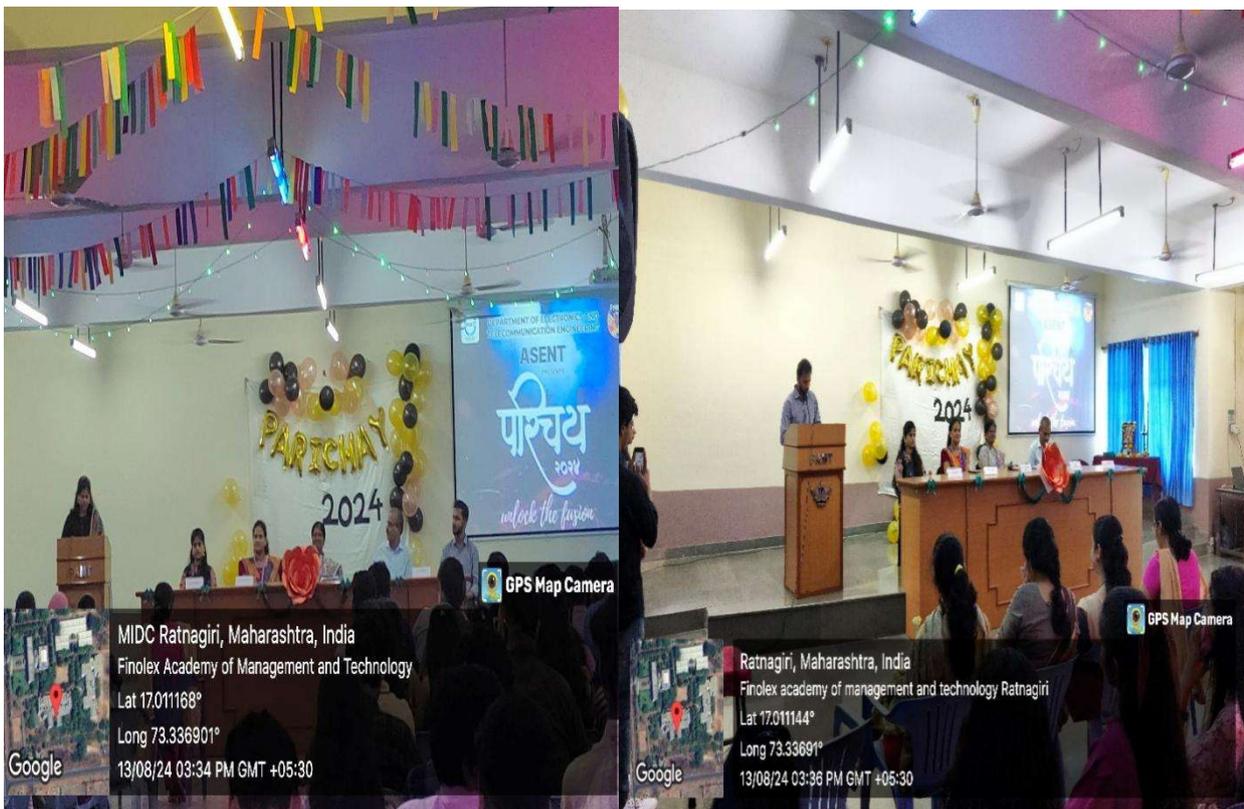
- 1.To participate in co-curricular and extra-curricular activities for balanced academics.
- 2.To improve communication skills, leadership and team skills and overall personality of the students.
- 3.To make the interaction between students of SE, TE and BE.

Mr. Rahul Mhapankar and Ms. Gayatri Suware were the coordinators of the program, Prof. M. K. Zagade was the faculty coordinator, and Ms. Girija Ambardekar and Ms. Shrawani Joshi hosted the program. The program was organized and successfully conducted under the guidance of Dr. Sharada V. Chougule, HOD EXTC.



/ Dr. S. V. Chougule, HOD EXTC, Prof. G. S. Kulkarni, expressing their views on occasion of Parichay – 2024





Students of BE, TE and SE EXTC sharing their views

6] A Training Program on “Project Planning and Execution Practices”

A 03 days training program on " Project Planning and Execution Practices", was organized by the Department of Electronics and Telecommunication Engineering, from 29th August to 31st August 2024. In this training program, final year students were given exposure to the importance of major projects from their career point of view, project topic selection, preparation and planning for the project and project execution practices.

The objectives of this training program were to:

1. Understand the problem statement for design and development of solution of real-life problems.
2. Equip final year engineering students with the knowledge and skills to plan and schedule their projects effectively.
3. Develop students' skills in team collaboration, communication, and leadership, essential for successful project execution and delivery,
4. Prepare them for the challenges of real-world project management in their future careers.

Dr. S. V. Chougule, HOD EXTC Department, graced the inaugural program, introduced and welcomed resource person. Resource Person Mr. Ajinkya D Dixit, Founder Aerobotix Techsolutions Pvt. Ltd, Kolhapur, conducted the training program. Team members Aditya Konnur and to the

successful contributed for successful completion of the training program.

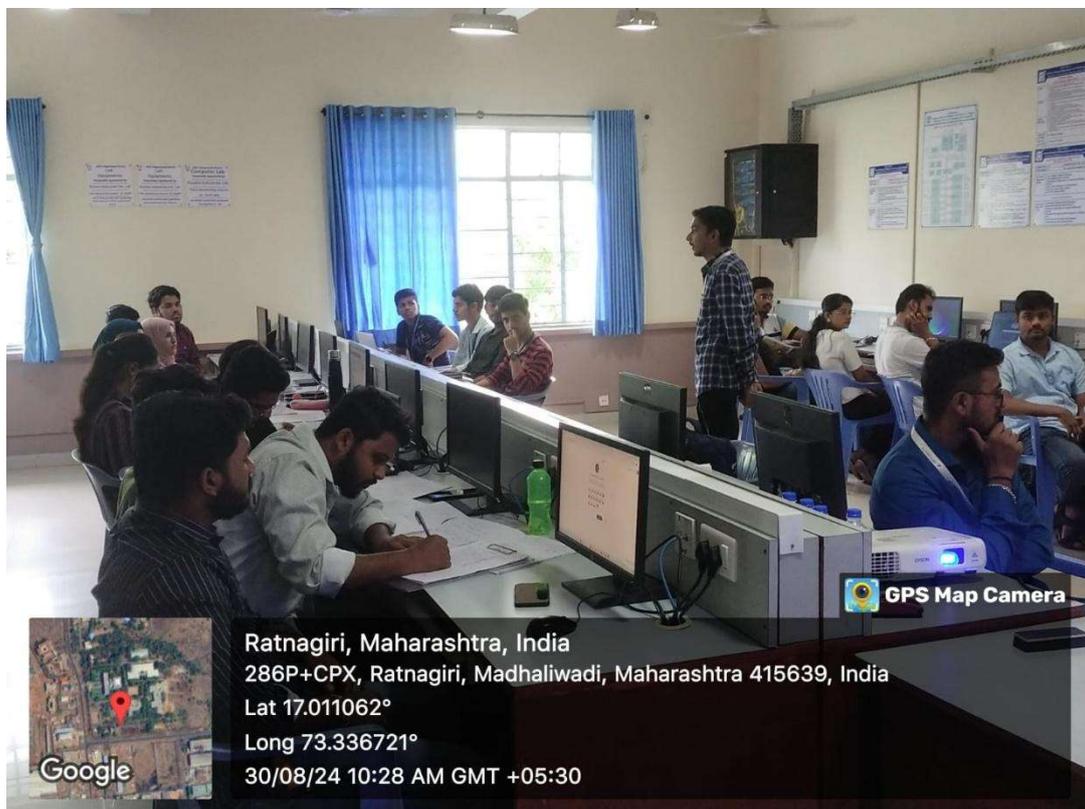
Prof. Amol R. Sutar and Dr. V. M. Galshetwar worked as Faculty Coordinator of the event under the guidance of HOD EXTC Dr. S V Chougule.

A total of 27 students (7 project groups) from BE EXTC actively participated in the training program and also shared their feedback at the end of this workshop.

Photos



Inauguration function: HoD Dr. S. V. Chougule addressing the gathering



Mr. Ajinkya Dixit explaining the importance of Projects



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 286P+CPX, Ratnagiri, Madhaliwadi, Maharashtra 415639, India
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 Long 73.336729°
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Student Group activity



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Student Group Activity



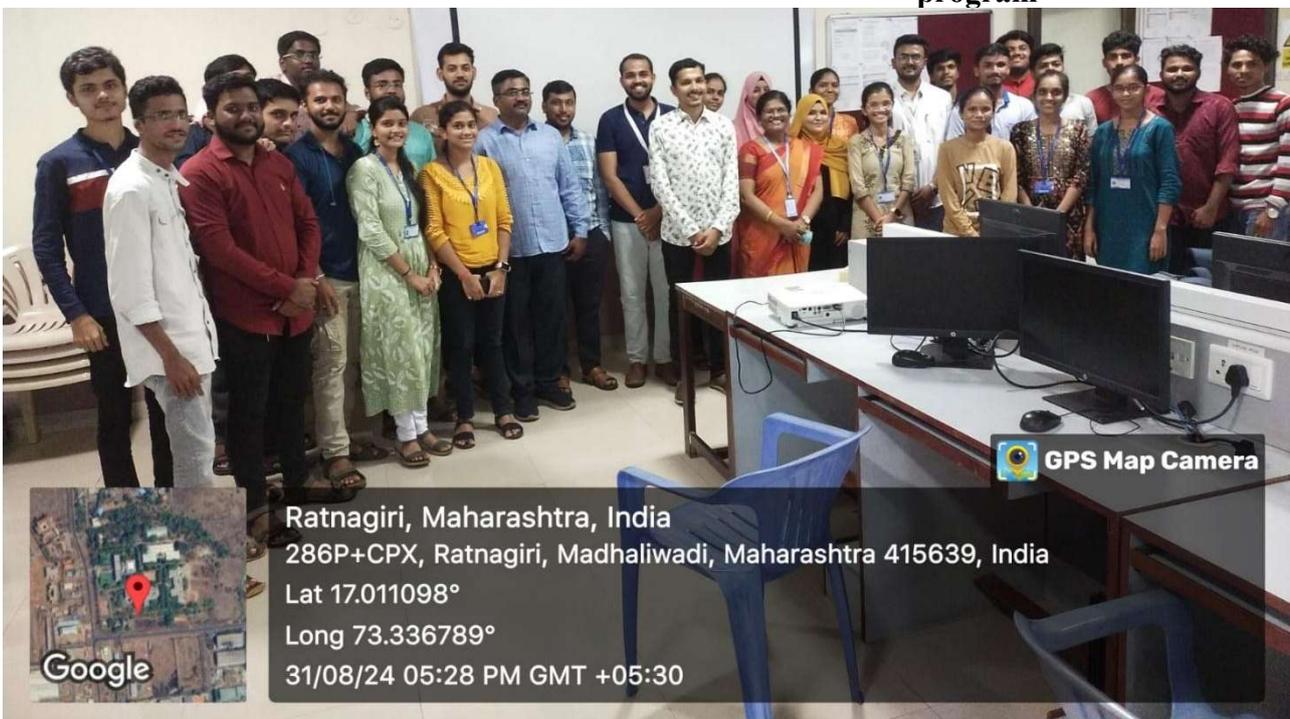
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Students presenting their project ideas



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Students giving feedback on training program



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Faculty Achievements

1. / Prof. Dr. Sharada V. Chougule is an Editorial Board Member of ARAI Pune.
2. / Prof. Dr. Sharada V. Chougule is an Editorial Board Member of International Journal of Electrical and Computer Engineering (IJECE).
3. Dr. Vijay M. Galshetwar Working as a Paper Reviewer of Scientific Reports Journal of Springer Nature.

Student's Achievements

1. Mukul Sagavekar received a certificate for being part of the “Honorary Mention Team” and demonstrating exceptional team work at start up weekend Gandhinagar organized by PDEU Innovation and Incubation Centre (PDEU IIC) 9-11 August 2024.
2. Denoising Using Deep Learning: Gargee Sadanand Gaikwad, Payal Amar Shivalkar, Nishant Suresh Kamble received 1st Prize in Institute Level Poster Presentation Competition Organized by the Department of Electronics and Telecommunication Engineering held at Finolex Academy of Management and Technology, Ratnagiri for students of 8th Semester on 12th August 2024.
3. Fake Review Detector: Bhakti Vishnu Sawant, Riya Ajay Afandkar, Reetu Arvind Satope received 3rd Prize in Institute Level Poster Presentation Competition Organized by the Department of Electronics and Telecommunication Engineering held at Finolex Academy of Management and Technology, Ratnagiri for students of 8th Semester on 12th August 2024.

Placements of the department

Sr.No	Name of the Student	Company
1	Khanolkar Ekata Dattaprasad	Capgemini Technology Services India Limited
2	Parab Sukanya Sham	Tata Consultancy Services Limited
3	Gawas Krutika Dayanand	Petrofac Engineering India Pvt Ltd
4	Terase Janhavi Milind	Replus Engitech Private Limited
5	Garate Sanil Shantaram	Replus Engitech Private Limited
6	Mapari Arsan Salim	Mahindra Solarize

Editorial Board for Academic Year: 2024-25

Sr. No.	Name of Person	Designation / Role
1	Dr. Sharada. V. Chougule	HOD EXTC
2	Dr. Vijay M. Galshetwar	Newsletter Editor
3	Mrs. Madhura K. Zagade	ASENT Faculty In charge
4	Ms. Urfa I. Bhattiwale	ASENT Student Co-ordinator
5	Mr. Yash Dhanavade	BE EXTC Students
6	Mr. M. Saad Hodekar	BE EXTC Students
7	Mr. Mukul Sagavekar	BE EXTC Students
8	Ms. Gayatri Suware	TE EXTC Students
9	Mr. Sahil Pankar	TE EXTC Students
10	Mr. Anuj Joshi	TE EXTC Students

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