


<h1 style="text-align: center;">ARMY INSTITUTE OF TECHNOLOGY, PUNE</h1> <h2 style="text-align: center;">DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING</h2>				 <h3 style="margin-top: 20px;">MAGAZINE & NEWSLETTER</h3>
Editor in Chief Dr. G R Patil HoD, E&TC	Editor Mahima Jain Komal Gill Nidhi Yadav Asst. Prof, E&TC	Technical Support Mrs. Deepali Apraj Mrs. Bhagyashri Pawar Ms. Namrata Pawshe	Student Members Paramjeet Singh Anusaya Muduli TE, E&TC	
<i>"Engineering is the art of directing the great sources of power in nature for the use and convenience of man." - Thomas Tredgold</i>				Jan-June 2025 Issue 2

Meetings

AAC Meeting

Meeting of Academic Advisory Committee (AAC) was held on Monday, 17th Mar 2025, at 09:30 am in Old Conference Hall.

AAC Members:

- Dr. Y. Ravinder, Prof & Head, Dept. of Electronics Engg., PICT
- Mr. Upendra Potdar-Director Business Development KNEO, Automation Pvt. Ltd.
- Mr. Baikunthnath Dwivedi, Alumni AIT

Internal Members:

Dr. B. P. Patil, Principal-AIT
 Dr. G. R. Patil, HOD (E&TC)
 And eight other faculties from the department

Student Members:

Mr. Subrat Kumar Behera
 Mr. AtharvaAnand
 Mr. Yasharth

Staff Co-ordinators:

Dr. PreetiWarrier
 Dr. SnehalMarathe

Agenda of the Meeting:

- Academic Performance Improvement
- Discussion on First Year Autonomy Syllabus
- NBA compliance preparation

Staff Activities

Training Programs

- Faculty attended over 77 STTPs/FDPs/ Training programs during the semester.

Publications

Following Faculty member's published/presented papers in various renowned journals and conferences during the semester.

- Dr. B. P. Patil
- Dr. .Shraddha Oza
- Dr. Renuka Bhandari
- Dr. Rajashree Suryawanshi
- Prof. Jitendra Jawale
- Prof. Girish Kapse
- Dr. Shilpa Pawar
- Dr. Snehal Marathe
- Prof. Pragati Rana
- Dr. Sandeep Bidwai
- Prof. Mahima Jain
- Prof. Supriya Kalamkar
- Prof. Pranita Tambe
- Prof. Monica Gunjal

Faculty as Resource Persons

The department faculties were invited as Session

Chairman/Resource Experts –

- Dr. P.B. Karandikar
- Dr. S.D.Oza
- Dr. Sushma Patil

- Dr. R. Suryavanshi
- Prof. Jitendra Jawale
- Dr. Avinash Patil
- Dr. Sandeep Bidwai
- Prof. Pranita Tambe
- Prof. Monica Gunjal

Ph.D Completed



Dr. Dhanashree Patil completed PhD from SPPU, Pune in June 2025.

Awards

On AIT day:

- Dr. Avinash Patil received Best Result award for the subject Project Management.



- Ms. Mohini Shendge received best Non-Teaching Staff award for the year 2024-25.



Students Activities

- Many E&TC students participated in various technical and sports events during this semester.

Remarkable Achievements by students

- Ayush Yadav from SE E&TC got the 1st position in BOROSA-Bosch Road Safety Hackathon.
- Ritish Kumar and Mukul Kumar were awarded 1st position and Abhijeet Rai with Runner Up position in Intelligence Fest 2K25 (Find the Error) organized by MIT Arts, Commerce & Science college.
- Akshat Shankhdhar stood in Top 50 in CaseQuest: A Case Study Hackathon organized by Mercer Mettl.
- Ashi Singh got 2nd position in Basketball organized by AIT.
- Punit Kumar and Tarun Kumar Basera got 573 and 1429 rank respectively in CodeFest'25 Prelims.

Internships

E&TC students did internship with reputed industries during the semester.

- Four students from TE, E&TC got internship at Citi

Corp Services with a stipend of Rs. 75000/-.

- ✓ Riya Joon from BE E&TC got the internship at Walmart Global Technologies Pvt. Ltd.
- ✓ Students received stipend for internships with the following industries in the semester-
 - ✓ ZS Associates Pvt. Ltd.
 - ✓ FPL Technologies Pvt. Ltd.
 - ✓ Tarana Wireless India Pvt. Ltd.
 - ✓ Aspect ratio Pvt. Ltd.
 - ✓ Master Card
 - ✓ MSD, Pune

Department Activities

Guest Lecture

Topic: "Career Opportunities in Core Electronics Industries: Navigating the Path to Success" organized under IETE Student Forum (ISF) along with IIC.

Date: 13th Feb 2025

Resource Person: Mr. Kishore Bhagat, Domain Expert (IoT and Embedded) at HCL Tech.

Organizers: Ms. Pragati Rana, Ms. Dhanashri Patil, Ms. Monica Gunjal

Attended by: Students, Faculty and Staff

Number of Participants: (194 Students, 4 Faculty and Staff)



Overview of the event: Students understood the evolution of

electronics in the automotive industry, career opportunities in core electronics, key domains in automotive electronics, emerging skills & qualifications required and challenges & future prospects.

Workshop

Topic: Demonstration by "Keysight Technologies"

Date: 21st Jan 2025

Resource Person: Mr. Sachin Koravi, Senior Sales Engineer, Keysight Technologies

Organizer: Ms. Supriya Kalamkar



Attended by: Faculty & Staff

Number of Participants: 16

Overview of the event: Faculty and staff understood the latest model in DSO and Signal Generator.

2) Topic: Hands-On Workshop on "The Intersection of AI, Electrification, and Control: A MATLAB Perspective" under IETE Student Forum (ISF)

Date: 5th & 6th Feb 2025

Resource Person: Mr. Ankit Kumar

Organizers: Ms. Pragati Rana, Ms. Dhanashri Patil



Attended by: Faculty & students

Number of Participants: 108 students and 10 Faculty.

Seminar

Topic: "QUANTUM TECH- Impact on future warfare & way ahead seminar"

Date: 26th March 2025

Venue: RSAMI Khadki, Pune

Resource Person: Dr. JBV Reddy, Dr. Anindita Banerjee, Mr. Jay Oberai, Dr. Anil Prabhakar, Dr. Bhaskar Kanseri, Mr. Rajat Sethi, Dr. Sunil Nair

Organizers: Dr. Sandeep Bidwai, Ms. Komal Gill



Attended by: Faculty & students
Number of Participants: 15 Students

Overview of the event: Students explore the military applications of quantum technology and its role in enhancing modern defense capabilities.

Industrial Visits

1) Topic: Indian Army, Southern Command organized ARMY Day 2025

Date: 4th & 5th Jan 2025



Resource Person: Southern Command Indian Army, at Turf club Pune City.

Organizer: Prof. S B Chougule

Attended by: SE & TE E&TC Students

Number of Participants: 40 Students

Overview of the event: Students watched the cutting-edge weapons and equipment displays and thrilling martial arts. Students closely observed demonstration of Radars, Missiles, Rifles and Army safety equipment.

2) Topic: CME Combat Engineer Demonstration

Date: 11th Jan 2025



Resource Person: College of Military Engineering (CME)

Organizer: Dr. Sandeep Bidwai

Attended by: 18 Students

Overview of the event: The demonstration aims to impart training to defence personnel and inspire youth towards a career in the armed forces.

3) Topic: Event 'ANWESHA' organized by ARAI AMTIF

Date: 31st Jan 2025

Resource Person: ARAI campus, Kothrud, PUNE



Organizers: Prof. S B Chougule, Mr. Ashish Dudhale

Attended by: Faculty & students

Number of Participants: 18 Students and 2 Faculty

Overview of the event: Students understood different operations, testing facilities and automobile certification process of ARAI. Attended the event 'ANWESHA' about journey of many Startups in cooperation with ARAI.

4) Topic: Exploring the World of Broadcasting: Educational Visit to Akashwani Hadapsar, Pune

Date: 10th & 11th Feb 2025

Resource Person: Prasar Bharti All India Radio, Pune

Organizer: Dr. Rajashree Suryawanshi and Dr. Renuka Bhandari

Attended by: Faculty & students

Number of Participants: 62 Students and 5 Faculty



Overview of the event: The excursion to Akashwani Hadapsar served as an invaluable opportunity for students and teachers to gain practical knowledge about broadcasting technologies.

5) Topic: Understand advanced technology in Army Telecommunication network

Date: 13th Feb 2025

Resource Person: SIGNAL REGIMENT at Southern Command Headquarters Pune.

Organizers: Mr. Sukumar Chougule, Dr. Sandeep Bidwai

Attended by: Faculty and students

Number of Participants: 84
Students and 4 Faculty



Overview of the event: Students understood the advanced technology in Army.

6) Topic: Art of Short Film Making

Date: 14th Feb 2025

Resource Person: Dr. Sandeep Shahare Dean (TV), FTII Pune, India

Organizers: Prof J B Jawale, Ms Pragati Rana, Ms Dhanashri Patil

Attended by: Faculty and students

Number of Participants: 20
Students and 2 Faculty



Overview of the event: Students were introduced to the aspects of cinematography such as filmmaking, including scriptwriting, directing and the nuances of visual storytelling. They learned about the technical and creative aspects of editing, including video cutting, sound mixing and special effects.

7) Topic: Jayashree Electron Pvt Ltd., Pune

Date: 18th Feb 2025

Resource Person: Mr. D G Dabke
Managing Director, Jayashree
Electron, Pune, India

Organizer: Prof J B Jawale

Attended by: Faculty & students

Number of Participants: 44

Students and 2 Faculty



Overview of the event: Students gained the practical insight about Power Electronics applications and manufacturing processes.

8) Topic: PUNE TECHTROL PVT. LTD., BHOSARI, PUNE

Date: 27th Feb 2025

Resource Person: Mr. D G Dabke
Managing Director, Jayashree
Electron, Pune, India

Organizers: Prof. J. B. Jawale Prof. Vijay kumar Karra and Dr. Snehal Marathe

Attended by: Faculty and students

Number of Participants: 62
Students and 5 Faculty



Overview of the event: Students gained practical understanding of level measurement and control instruments. It helped students relate their academic curriculum to real-world industrial applications.

Alumni Corner



Col. Pushpender Choudhary
1999 Batch
Director- Systems Acquisition
Wing, Ministry of Defence
Received the prestigious SENA
MEDAL in Jan 2025

The journey from an educational institution to a distinguished career is often marked by perseverance, dedication, and the pursuit of excellence. In an exclusive interview, we have connected with a proud alumnus of the Army Institute of Technology (AIT) ENTCT Dept., Col. Pushpender Choudhary, to discuss his professional milestones, experiences, and advice for aspiring officers.

Some Edited excerpts:

What were the major milestones in your career that led to this honor?

Hard work and perseverance have been the guiding principles in my career. Success and setbacks are part of every journey, but overcoming challenges and learning from experiences make all the difference.

Some key milestones include successfully completing various professional courses and tenures, earning the rare opportunity to study at Kimberley, United Kingdom, and serving as an observer in the United

Nations Mission in Côte d'Ivoire. Additionally, my staff tenure at Uri, where I was involved in the planning and execution of the Network for Spectrum project, was a significant professional achievement. In my current role, I oversee capital procurements of systems-related cases for the three services: the Indian Army, Indian Navy, and Indian Air Force, as well as the Coast Guard.

Your journey from AIT to where you are today.

At the outset, I am deeply honored and grateful for this opportunity to interact with you all. I extend my sincere thanks to Brig. Bhatt and Prof. Khadilkar for reaching out. Reconnecting with my Alma Mater is truly special.

Our institute is indeed unique. It is these friendships that we forge for life that keep us motivated, happy, and focused. The grooming and shaping we receive at AIT prepare us well for the challenges ahead. Each of us owes so much to our institute. Many AITians have excelled in their respective fields, and we take immense pride in their achievements. The immediate connection we share, even with those we may not have met during our college years, is remarkable. My journey has been an enriching one, filled with experiences, hard work, and cherished memories.

Many AIT students, especially NCC cadets, aspire to join the forces. Would you like to share any advice or words of motivation for them?

We all share a deep-rooted connection with AIT. Having grown up in a similar environment, we value camaraderie, friendships, and discipline. This foundation sets the stage for a successful career in the forces.

To those aspiring to join the armed forces, I would say: stay focused and motivated. Your journey is already

on the right path. Keep working hard toward your goal, and remember the old saying:

"When the going gets tough, the tough get going."

Believe in yourself, cut through the noise, and keep striving. Success will follow.

In conclusion, I extend my best wishes to each of you.

Magazine Section

The Childhood Cravings

The childhood I wanted to be loved,

In any sort but in the purest form.

But all I was forced to be an Independent one.

I wanted somebody to tell me stories, somebody to share memories,

Hold my hand, while I cross the road, Pick my bags while I strolled

I wanted my father to teach me sports,

But all I heard was the news of wars and my father couldn't make a call.

I know papa you wanted me to ride bikes and fire guns,

While mom wanted me to be the academic girl,

But all I wanted was you to hold my hands and tell me stories that you made,

Even if it was stupid I could have smiled

But days like these never came

I hate growing up papa,

Could I be the little princess?

-Poetry by
Garima
FE-E&TC A

BROWN

I was born in red but apparently, I was covered in brown

The brown my grandmother

wasn't very pleased about.

The same colour of mud when it rains loud

The same colour of chocolates that everyone likes without a doubt

But then doubt arises for the colour brown

When it covers my skin

Many questions surround.

She's not pretty, she's not fair

No one will marry someone so dark and dare.

But my mother says it's a lie

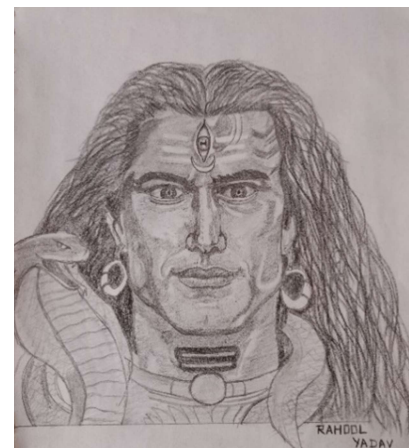
They are just trying to hide

The beauty which lies in the colour of ground

The harmony that my brown surrounds.

Cause I might have come from red but I was still covered in brown.

-Poetry by
Radhika Dodain
FE E&TC- A



-Sketch by
Rahool Yadav
SE-E&TC B

Vision of Department

To become "Internationally Recognized" center of excellence providing electronics & telecommunication engineering education & research facilities to the wards of defence personnel.

Mission of Department

M1. Provide state-of-art facility, modern infrastructure and learning environment to the students and faculty in the department to meet growing challenges of electronics & allied industry.

M2. Equip students with fundamental knowledge & practical skills in electronics, communication & allied areas to excel in professional career & lifelong learning.

M3. Foster research and innovation in electronics & telecommunication engineering by collaborating with industry and R&D organizations.

M4. Develop intellectuals, entrepreneurs and technology leaders committed to contribute to the development of society and welfare of humanity.

The Program Educational Objectives (PEOs)

PEO1: Graduates will excel in technical and professional career in E&TC engineering with entrepreneurial abilities exhibiting global competitiveness.

PEO2: Graduates will pursue lifelong learning to enhance and utilize their technical domain knowledge for sustainable development and their professional growth.

PEO3: Graduates will utilize their communication skills, teamwork, professional ethics and integrity in their assigned leadership roles.

PEO4: Graduates will have skills and abilities for transition into other professions such as management, defense, entrepreneurship, etc.