

# ARMY INSTITUTE OF TECHNOLOGY, PUNE DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

## **Editor in Chief**

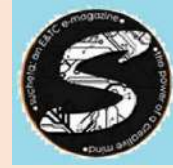
**Dr. G R Patil**  
HoD, E&TC

## **Editor**

**Komal Gill**  
**Mahima Jain**  
Asst. Prof, E&TC

## **Technical Support**

**Mrs. Deepali Apraj**  
**Mrs. Bhagyashri Pawar**  
**Ms. Namrata Pawshe**



**MAGAZINE  
&  
NEWSLETTER**

**If you think that you are too small to make a difference,  
try sleeping with a mosquito. —Dalai Lama**

**JAN-JUNE 2024 Issue 2**

## **Staff Activities**

### **Training Programs**

- Faculty attended over 66 STTPs/FDPs/ Training programs during the semester

### **Publications**

Following Faculty members published/presented papers in various renowned journals and conference during the semester.

- Dr. B. P. Patil
- Dr. G.R. Patil
- Dr. P. B. Karandikar
- Dr. Renuka Bhandari
- Dr. Preeti Warriar
- Dr. Shilpa Pawar
- Ms. Snehal Marathe
- Ms. Dhanashree Patil
- Ms. Pragati Rana
- Dr. Sandeep Bidwai
- Ms Mahima Jain

### **Patents/ Copyrights**

- Ms. Mahima Jain published national copyright on "Anartificial intelligence -based system for emotional Recognition" in March 2024

## **Faculty as Resource Persons**

The department faculties were invited as Session

Chairman/Resource Experts –

- Dr. S.D.Oza
- Dr. Sushma Patil
- Dr. Avinash Patil
- Mr. J.B.Jawale
- Dr. Shilpa Pawar
- Ms. Supriya Kalamkar
- Mrs. Pranita Tambe

## **Students Activities**

- Over 400 E&TC students participated in various Technical events this semester.

### **Remarkable Achievements-**

- Abhi Sirohi, SE E&TC stood 2nd in Off Road Bandit organized by IIIT, Pune.
- Nidhi Kumari got 3rd position in Hour of Code organized by ACM-W Manipal.
- Ankit Prasad got 7th position in Code Red, CODEFT 4.0 organised by AIT, Pune.

- Sobhit Raghav stood 11th in Retracer, CODEFT 4.0 organised by AIT, Pune.
- Students showed remarkable performance in various sports activities organized by AIT, Pune
- Internships**

About 138 E&TC students did internship with reputed industries during the semester.

- ✓ Aakrati Singh, BE E&TC student got internship at Deutsche India Pvt Ltd with stipend of Rs 75000/-.

Students received stipend for internships with the following industries in the semester-

- ✓ Deutsche India
- ✓ Better World Technology Pvt Ltd-ZETA
- ✓ Webble Studio
- ✓ Holaport Logistics Pvt Ltd
- ✓ Blue Bricks Ltd

- ✓ TransUnion Global Technology Center LLP
- ✓ Nutpam Technologies
- ✓ Blue Star Ltd
- ✓ iDesign.Market

## Department Activities

### Project Competition

The Project Competition is organized in association with IETE Students' Forum of Department of E & TC, Army Institute of Technology. The Project Competition aims to bring together Innovative Ideas from different areas viz. Communication, Embedded, IoT, Automation and Signal Processing of undergraduate students.

### Industrial Visit

**1. Industry Name:** Incubation Center, Pimpri Chinchwad Startup

**Date:** 5<sup>th</sup> April 2024

**Resource Person:** Mr. Vijay Wardhan Raju, founder member of AG Automate

**Organizers:** Ms. Pranita Tambe

**Attended by:** TE E&TC Students

**Number of Participants:** 6



**Overview of the event:** TE E&TC students visited the Incubation Center, Pimpri Chinchwad

The Students were introduced the working of incubation centre and potential avenues for collaboration.

They understood structure and functioning, emphasizing its role in nurturing startups.

**2. Industry Name:** All India radio station, Hadapsar.

**Date:** 15th & 16th April 2024

**Organizers:** Dr. Rajashree Suryawanshi

**Attended by:** SE E&TC Students

**Number of Participants:** 71



**Overview of the event:** Second year Students visited the All India radio station, Hadapsar, Pune.

The students were introduced to the equipment used in broadcasting, including transmitter receivers, and signal processing Units. They learned about the importance of maintaining optional conditions within the transmitter hall to ensure smooth operations.

**3. Industry Name:** Ador Powertron Limited

**Date:** 19th April 2024

**Resource Person:** Ms. Vidhya Vishwanath Chief Operating Officer – Quench Ador Powertron Limited

**Organizers:** Dr. Preeti Warriar

**Dr. Renuka Bhandari**

**Attended by:** TE E&TC Students

**Number of Participants:** 14



**Overview of the event:** TE E&TC Students visited Ador Powertron Limited for an educational industrial visit.

Students got the exposure to real-world applications of our academic learnings. Students got a first-hand look at various sectors like Quench and Digatron, and even saw the innovative EV chargers in action. Students were introduced to the fast DC chargers, high voltage rectifiers

## Alumni Corner

### Alumni Talks



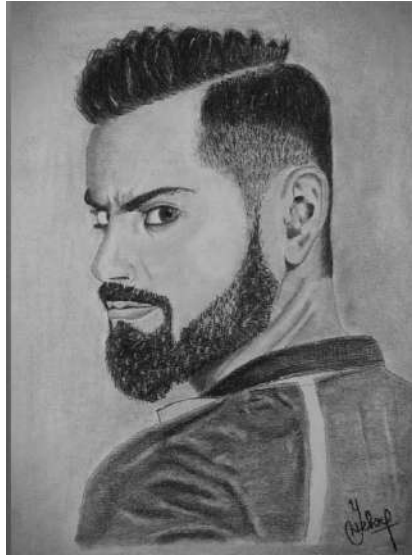
Mr. Nishant Pandey  
2001 Batch  
Director of Product Management at JLL Technologies

Mr. Nishant Pandey has been a Global Product Leader at JLL/T for last five years. Earlier he has worked in TransUnion as Senior Manager of Product Management. Additionally, he worked as a Client Engagement & Program Management Leader in Capgemini and in Kanbay.

As a lifelong learner, he holds MBA from the prestigious Northwestern University: Kellogg School of Management and has obtained various other professional certifications.

He is Dynamic Product Management leader who combines strategic vision with hands-on execution to deliver exceptional results. He has over 20 years of experience in product leadership, program management, and leading strategic digital transformation initiatives.

He believes bringing new ideas to life and creating innovative solutions that address real market problems, ultimately leading to revenue growth and cost efficiencies. He focuses on problem-solving skills that enable us to navigate complex challenges.



## A New Dawn

शुरू से ही इंजीनियरिंग की माला जपना था,  
मना भी नहीं कर सकी क्योंकि जपने वाला  
भी अपना था।  
आखिर थक हार आ ही गई AIT Pune,  
अब पूरा तो करना ही पड़ेगा क्योंकि माँ बाप  
का सपना था।

मेरे बारे में सब का अलग अलग विचार था,  
उनकी नज़रों में मेरी बुद्धिमत्ता का प्रचार था।  
कितनी भी Feeling बयां करूँ अपनी,  
लेकिन ये सब उनके लिए बेकार था।

घरवालों की मेरे लिए अपनी एक Theory  
थी,  
किसी के लिए मैं **Newton**, तो किसी के  
लिए **Madam Curie** थी।

पहुँची कॉलेज जहाँ देखा लड़कियाँ है बहुत  
कम,  
देखते ही निकलने वाला था दम  
पर किसी तरह संभाला खुद को,  
क्योंकि छोड़ने आये माँ-बाप की आँखें थी  
नम।

कहना है बहुत कुछ पर किससे कहूँ,  
है नहीं कोई खास यहाँ जिससे कहूँ।

किसी की आहट डूबते हुए मझदार में कशती  
सी लगती है,  
जिंदगी भी आज सस्ती सी लगती है।

सोचा, ना किसी से जान, ना पहचान है,  
सब यहाँ मेरे लिए अज्ञान है।  
आज अकेले ही दुनिया देखने जा रही हूँ,  
शायद यही मेरा सबसे बड़ा इम्तिहान है।

शायद खुदा ने मुझे इसलिए बनाया है,  
कि पूरा करूँ उन सपनों को जो माँ बाप ने  
दिखाया है।  
तहे दिल से शुक्रिया करती हूँ आप सभी का,  
जो मुझे दिल से अपनाया है।

वादा किया खुद से कुछ कर गुज़रने का,  
वक्त गया घबराने का डरने का।  
तैयार हो जाओ मेरे ऐ दोस्तों,  
समय आ गया आगे बढ़ने का।

-Poetry by  
**Ms Kajal Singh**  
FE E&TC- B

## Magazine Section

-Sketches by  
**Mr. Yogesh Nehra**  
SE E&TC A



## Vision of Department

To become "Internationally Recognized" center of excellence providing Electronics & Telecommunication Engineering education & research facilities to the wards of defense 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.** To prepare students to excel in technical and professional career with a solid foundation of electronics & telecommunication engineering.

**PEO2.** To equip students with core competency to solve real life engineering problems, design and develop innovative products and solutions.

**PEO3.** To develop students to become successful team member or team leader who can exhibit professional ethics and integrity in their work.

**PEO4.** To equip students with modern tools, communication skills, entrepreneurial abilities & lifelong learning in order to address societal challenges.

## Revised PEOs applicable from July 2024

**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.