

# ARMY INSTITUTE OF TECHNOLOGY, PUNE

## DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

**Editor in Chief**

Dr. G R Patil  
HoD, E&TC

**Editor**

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

**Technical Support**

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



## MAGAZINE & NEWSLETTER

JUL-DEC 2023 Issue 1

**The scientist discovers a new type of material or energy and the engineer discovers a new use for it. —Gordon Lindsay Glegg, British engineer and author**

## Meetings

### AAC Meeting: Mar 2023

Meeting of Academic Advisory Committee (AAC) was held on Wednesday, 7<sup>th</sup> Dec 2023, at 9.00 am in Hybrid Mode.

**AAC Members:**

- Dr. Y. Ravinder, Prof, Dept. of Electronics Engg., PICT
- Mr. Baikunthnath Dwivedi, Alumni AIT

**Internal Members:**

Dr. B P Patil, Principal-AIT  
Dr. G R Patil, HOD (E&TC)  
Dr. P. B. Karandikar  
Dr. Shraddha D Oza

**Student Members:**

Mr. Sanjeet  
Mr. Kaviarasan  
Mr. Yashrath  
Mr. Aditya Sharma

**Staff Co-ordinators:**

Dr. Preeti Warriar  
Ms. Snehal Marathe

**Agenda of the Meeting:**

- Review of Academic Activities and results 2022-23 Sem-II

- Placement & Internship of current Annual year
- Discussion & Suggestions on NEP-2020 implementation
- Revision of PEOs

## Staff Activities

### Training Programs

- Faculty attended over 53 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
- Ms. Dhanashree Patil
- Dr. Sandeep Bidwai
- Mr. Ashish Dudhale
- Ms. Pranita Tambe

### Patents/ Copyrights

- Mr. Ashish Dudhale published national patent on "Smart

Contract Automation in IOT" in November 2023

- Ms. Supriya Kalamkar published patent on "Intelligent Early Forecasting of Air Quality and Pollution Prediction Using Machine and Deep Learning Algorithms with an Advanced Alert System" in November 2023

### Faculty as Resource Persons

The department faculties were invited as Session Chairman/ Resource Experts –

- Dr. B. P. Patil
- Dr. P. B. Karandikar
- Dr. Avinash Patil

### Ph.D Completed



Dr. Shilpa Pawar completed PhD in E&TC branch from Shri Jagdishprasad Jhabarmal Tibrewala University, Rajasthan.

## Students Activities

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

### Remarkable Achievements-

- Hrishikesh R, TE E&TC was the finalist of 'Innovators Hive' organized by Google.
- Deepak Kumar and Hrishikesh R were in Top 300 in 'Hack The Crisis' by Government of India.
- Ayush Kumar and team were in Top 36 in 'HackRx 4.0' organized by Bajaj Finserve.
- S B Abrish Aaditya, TE E&TC and Swapnendu Chakrabarty, BE E&TC published IEEE papers in International Conference at Dubai.

### Internships

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

- ✓ Shristy Thakur, TE E&TC student got international internship at Barclays Execution Services Limited
- ✓ 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
- ✓ Neufo Technologies Pvt Ltd
- ✓ Tech Designworks Pvt Ltd
- ✓ TechMetix Solutions Pvt Ltd
- ✓ Blue Bricks Ltd

## Department Activities

Panel discussion is held at 13th Oct 2023 on the topic "Preparation for Good Placement: Perspective of

Placed Final Year E&TC Students" where final year students shares their perspective about good placement to third year students.

### Industrial Visit

#### 1. Industry Name: "GMRT"

**Date:** 25<sup>th</sup> August 2023

**Resource Person:** Mrs. N. S Deshmukh

**Organizers:** Ms Snehal Marathe

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

**Number of Participants:** 53



**Overview of the event:** TE E&TC students visited the GMRT situated at Narayangaon Junnar, Pune.

The visit was practical learning experience, students seen fully steerable parabolic radio telescopes and understood the radio technology. It is the largest and most sensitive radio telescope array in the world at low frequencies

#### 2. Industry Name: "Southern Command Signal Regiment, Pune"

**Date:** 10th Oct 2023

**Organizers:** Mr. S B Chougule

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

**Number of Participants:** 19



**Overview of the event:** Third year Students visited the Southern Command Signal Regiment, Pune.

Students understood the wired and wireless network which is spread across different army establishments and understood different parts of high secure defense network.

#### 3. Industry Name: "Avontec Automation Private Limited, Chakan"

**Date:** 17th Oct 2023

**Resource Person:** Mr. Ramakrishna, owner  
Mr Yugal Kumar, Senior Sales Executive

**Organizers:** Ms. Mahima Jain

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

**Number of Participants:** 41



**Overview of the event:** Second year Students visited to Avontec Automation Private Limited, located in Chakan, Maharashtra.

Students understood the working of P1 and P4 LED displays and gained detailed knowledge about LED technology.

lines and technology solutions to increase revenue footprint.

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

**Magazine Section**

**-Sketches by  
Mr. Rahoo Yadav  
FE E&TC B**

**Alumni  
Corner**



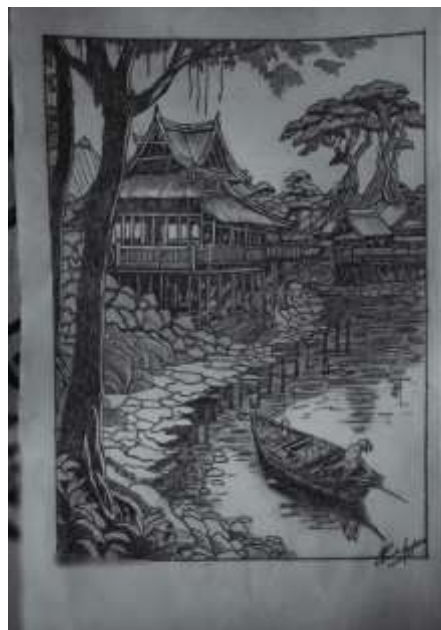
Ms. Namrata Sharma  
2001 Batch  
Head - Worldwide Partner  
mainframe modernization GTM  
Amazon Web Services (AWS)

Ms. Namrata Sharma has been Global head of GTM strategy and partnerships for the Semiconductor & HiTech segments at AWS. She addressed the full complexity of the semiconductor and HiTech value chain for AWS customers

She has also been a board member of SAAVETX EF with an aim to increase the civic engagement of Texas's South Asian American community through education, engagement, and empowerment.

She has also worked in the area of semiconductor product engineering, Semichip and critical communication in HCL technologies for 10 years.

She is a "Business Geek" driven with expertise in incubating new service



## 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.