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

Editor in Chief Dr. G R Patil HoD, E&TC	*Editor* Dr. Shraddha Oza Asst. Prof, E&TC	*Technical Support* Mrs. Rajashree Challamarad Ms. Pranoti Magdum	*Student Members* Divyangana Singh Saurav Raturi TE E&Tc

"Science can amuse and fascinate us all, but it is engineering that changes the world." —Isaac Asimov, American writer, Professor of biochemistry

MAGAZINE & NEWSLETTER

Jan - June 2022 Issue 2

Meetings

AAC Meeting : Jan 2022

Meeting of Academic Advisory Committee (AAC) was held on Saturday, 22nd Jan 2022, at 10.00 am in Online Mode on Microsoft Team platform.

AAC Members:
- Dr. Y. Ravinder, Prof, Dept. of Electronics Engg., PICT
- Mr. Abhijit Deogirikar, MD & Chairman CopperCloud IoTech Pune
- Mr. Baikunthnath Dwivedi, Alumni AIT

Internal Members:
Dr. B P Patil, Principal-AIT
Dr. G R Patil, HOD (E&TC)
Dr. Mrs. K S Surekha,
Prof. Dr. P. B. Karandikar

Student Members:
Mr. Arya Jha
Mr. Gaurav Mishra

Staff Co ordinators:
Ms. Snehal Marathe
Dr. Rajashree Suryawanshi
Ms. Dhanashri Patil

Agenda of the Meeting:
- Academic performance
- Industry -Institute Interaction
- Placement & Higher Studies
- Discussion on NBA & NAAC
- BE Syllabus Revision
- Online Teaching Learning
- Any other point with Permission of Chair

Staff Activities

- Faculty attended over 25 STTPs/FDPs/ Training program during the semester

Research 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. K. S. Surekha
- Dr. P B Karandikar
- Dr. Sharaddha Oza
- Dr. Renuka Bhandari
- Mrs. Preeti Warrier
- Mrs. Shilpa Pawar
- Ms. Dhanashri Patil
- Dr. Harjeet Kaur

Book Publication

Dr. G.R. Patil published book **Cellular Network** under Nirali Prakashan in Feb 2022.

Patents/ Copyrights

- **Patents**
  a. Mr. Girish Prabhu Kapse
  b. Ms. Shilpa Pawar

- Copyrights
  a. Dr. B P Patil

Faculty as Resource Persons

Faculties were invited as Session Chairman/Resource Experts -
- Dr. G.R.Patil
- Dr, K.S.Surekha
- Dr. P.B.Karandikar
- Dr. S.D.Oza
- Dr. Renuka Bhandari
- Dr. Sushma Patil
- Dr. R. Suryavanshi
- Mr. J. B. Jawale
- Dr. Avinash Patil
- Mr. G.P.Kapse
- Dr. Harjeet Kaur

Students Activities

- Amruta Patil (SE), Shubham Choubey, Harish, Akash Saxena, Akash Sharma & Banti Kumar (TE) were ranked 185 in the Scaler CodeX 2.0 at National Level Scaler and Interview Bit.

- Abhishek Chaudhary (SE) and Ankit Kumar (SE) were among the top 300 at "Hack The Crisis" hackathon, organized by Ministry of Electronics and Information Technology, Govt of India.
- Samik Choudhary (SE) participated in the Idea Contest by Lemon Ideas and was among top 750.

Department Activities

Workshops

Training of IOT kits under MODROB

Demo and Training of IOT kits under MODROB was conducted by Sensenuts, on 29th Oct 2021 & 1st Dec 2021. Total 7 faculties & 3 students attended the same.

Guest Lecture on "Springboard for the ways of Industry"

On 21st January 2022, Mr. Prashant Joshi, Founder & Director, Leap & Scale, Pune, conducted a lecture on "Springboard for the ways of Industry" for TE E&TC. Total 61 students attended the same. The lecture was organized by Dr. Shraddha Oza.

MATLAB Re-onboarding Session

On 8th February 2022, "MATLAB Re-onboarding" Session was conducted by Mathworks. The session was organised by Dr. Renuka Bhandari & Dr. Rajashree Suryawanshi.

Expert Session on "What is inside an IC"

An expert Session on "What is inside an IC" was conducted online on 8th April 2022.

Dr. Anuraag Mohan, Vice President –Engineering, Crocus Technology, USA, conducted the session for SE, TE & BE E&TC students.

Career Counselling Session

On 13th April 2022, Gunjan Choudhary, Made Easy Academy, conducted a session on "Career Counseling" for SE & TE students. The session was organized by Ms. Dhanshree Patil.

Industrial Visit to C4i4 Lab

- **Industry Name:** Centre for Industry 4.0 (C4i4) Lab
- Date: 13th April 2022
- **Resource Person:** Mr. Mukund Vaswani, Business and Operations
- **Organizer:** Dr. Harjeet Kaur
- **Attended by:** SE & TE E&TC
- **Number of Participants:** 18+1

Industrial Visit to ISTPL

- **Industry Name:** Institute of Satellite Telecom Pvt. Ltd (ISTPL). (Digisat Skill India Pvt.Ltd. kharadi)
- **Date:** 19th April 2022
- **Resource Person:** Mr. K.K. Mehkarkar (Director, ISTPL)

- **Organizers:** Dr. Avinash Patil, Mr. Sandeep Bidwai, Mrs. Shilpa Pawar
- **Attended by:** TE E&TC
- **Number of Participants:** 58

Workshop on "Internet of Things"

Workshop on Internet of Things was conducted from 29th April to 30th April & 1st May 2022.
Mr. Abhijeet Deogirikar, Founder & CEO, Copper Cloud IOT Tech Pvt. Ltd., Pune conducted the workshop for SE E&TC students. The workshop was organized by Prof Preeti Warrier & Dr. Harjeet Kaur.

Guest Lecture on Email & Web Security

On 5th May 2022, Mr. Amey Tambe, Director Soft Tech Data Security conducted a Lecture on Email & Web Security for TE E&TC. The lecture was organized by Prof Shilpa Pawar.

Expert Session on AI and AI Security

Expert Session on AI and AI Security was conducted on 6th May 2022. Mr. Nikhil Joshi, Data Scientist, Brillio Pvt. Ltd., California conducted the session for BE E&TC. The session was organized by Mr. Sandeep Bidwai.

Awards/ Honours

Mr. Ashok Katole, Technical Assistant, ETC Dept has been awarded : The **GoC in C, South**

Command Commendation card on the occasion of Army Day (2021-22)

Alumni Corner

Alumni Talks

Ayush Agrawal,
Alumni, E&Tc,
2011 batch
Director, Cars24

Former Co Founder, Seniority.in, an e-commerce for Senior Citizens. Seniority, in partnership with RPG Life Sciences, created SafeSeniors, the predictive analysis tool designed to primarily help in early identification of Covid-19 risk amongst the elderly, with its technology backed by Zensar.

The tool was developed in consultation with leading experts in the areas of infectious diseases, community medicine, clinical pharmacology and Covid-19 management.

The way the algorithm has been designed, the tool can preempt the risk by almost a day or two, provided the inputs are updated and the risk is tracked daily. One can create multiple profiles for the entire family and be able to view them together in one single dashboard. SafeSeniors is fairly simple to operate, it's pretty much a plug-and-play app. https://www.seniority.in/

Magazine Section

Poem

SHANTI-NIKETAN
ব্যথিত কারিগর
Byathita kārigara
By Divyangana Singh, SE E&Tc

It was a bright orange-red sky, so much like a painting by Hussien, Bangla music engulfed her senses while men in dhoti kurta sat with an ek-tara to entertain, Women passed by her, with steamed hair, spotless sarees, big bindis and bangles all red. The glimmering Payals, Paati Haar and Jhumkis divert her vision from the palms, alta-stained.
"Ē'i āṇṭira dāma kata?" a voice questioned, definitely not in her head.
Bagchi quoted the prices of the delicately designed rings to a face so very mundane. Lady tried to contain something profane, she fouly taunted "Do these rings have Swarna in-grained?"
The rings were hurled back to Bagchi's swollen hands, red, not from alta, tired eyes and art drained.
"Āmi kata kama ēṭā āpanāra kāchē bikri karā ucita?" she asked in disdain. The lady, now fain, continued to bargain. Bagchi's dissent stifled in the folds of her soiled saree, in restraint. She was swallowed by the scepticism of survival, again. Buried neck-deep in poverty, would she sustain this bane. In the dark, she sobs in pain and washes away the paint.
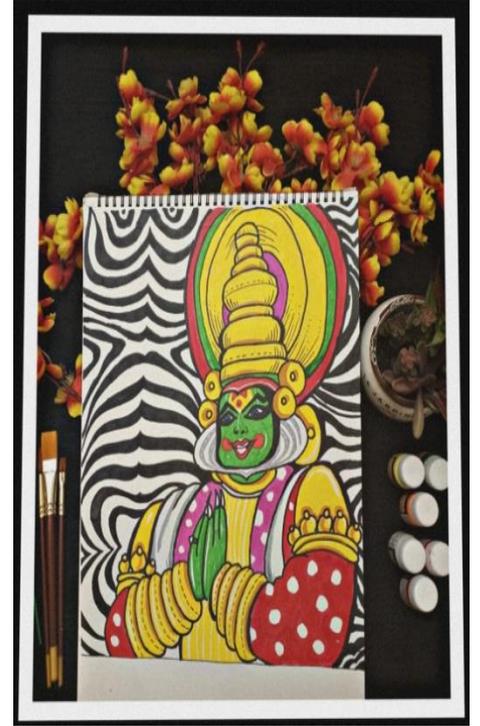The silk-saree-ed vain mistress neglected the black clouds swirling upon her, rain.
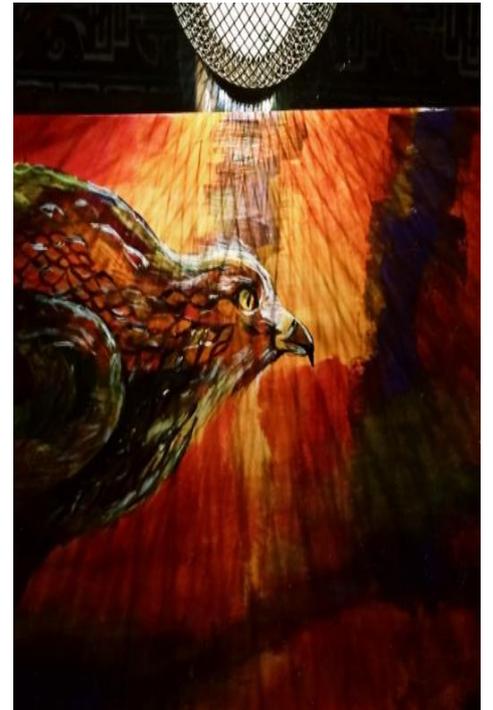সবাই দৌড়ে গেল বৃষ্টি থেকে আশ্রয় নিতে
Sabā'i dauṛē gēla br̥ṣṭi thēkē āśraẏa nitē
~~Durga Bagchi Cries.

Art

Himanni Singh
BE, E&Tc

Himanni Singh
BE, E&Tc

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. 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.