

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

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**"The advance of technology is based on making it fit in so that you don't really even notice it, so it's part of everyday life."**

Bill Gates, Co-founder of Microsoft



**MAGAZINE  
&  
NEWSLETTER**

**Jan- Jun 2021 Issue 2**

## Staff Activities

### Ph.D Awarded

- Dr. Sushma Patil
- Dr. Rajashree Suryawanshi

### Research Publications

Following faculty members published presented and their research work in renowned National/International Journals & Conferences.

- Dr. B P Patil
- Dr. G.R. Patil,
- Dr. Surekha K S
- Dr. P B Karandikar
- Dr. Renuka Bhandari
- Ms. Preeti Warrior
- Dr. Rajashree Suryawanshi
- Ms. Shilpa Pawar,
- Ms. Snehal Marathe

### Book Publication

- Dr. G R Patil published book on "Principles Of Communication System"
- Ms. Dhanashree Patil published chapter in Springer.

### Patent / Copyright

- Dr. G. R. Patil was granted copyright on Laboratory

manual for "Data Structures & Algorithms"

- Mr. Avinash Patil, Dr. Sushma Patil were awarded patent for the invention entitled "Method, Apparatus And System For Finding A Square Root Of A Perfect Square Number"
- Mr. Avinash Patil & Dr. Sushma Patil filed patent on "Method and Apparatus for Cube Operation of Any Radix N-Bit Number"

### Faculty as Resource persons

Following staff members were invited as Guest speakers-

- Dr. G.R. Patil
- Dr. Surekha KS
- Dr. P.B. Karandikar
- Dr. Shraddha Oza
- Dr. Renuka Bhandari
- Mr. J. B. Jawale
- Dr. Sushma Patil
- Mr. Avinash Patil
- Mr. G.P. Kapse
- Dr. Rajashree Suryawanshi

## Students Activities

### Co-curricular and Extracurricular Activities

- Anjali Kushwah, BE E&TC attained the 1<sup>st</sup> Position in Code KBC-Army competition and secured 2<sup>nd</sup> position in the Bugg off organised by Coding Ninjas in Jan 2021.
- Arnab Singh Roy, BE E&TC was appraised with "Best Idea for Social Impact" for his Team Team- Leftover algorithms in the Inerve 5.0 National Hackathon.
- Soumer Singh Karki, BE E&TC was among the top 30 in the Coding Contest: Travel Transforms 2021
- Priya Pandey BE E&TC won the ZEAL (dance event)-AMETHYST'21
- Sarini Khasnavis, TE E&TC stood 2nd Ad making in Tech Aakriti 2021.
- Shubhangini Pandey, TE E&TC secured 1st position for the competition NandIT in 2021.

## Internships

About 55 E&TC students successfully completed their internship in 2021.

## Department Activities

### Workshops

#### Live Webinar on Overview of MATLAB & Simulink

A Live Webinar on Overview of MATLAB & Simulink was conducted on 16<sup>th</sup> December 2020 for faculties and students.

Mr. Pranav Lad & Mr. Deb Singdeo from MathWorks conducted the webinar. The webinar was organized by Dr. Surekha K S.

#### Guest Lecture on Electric Vehicles

On 2<sup>nd</sup> January 2021, Mr. Pradip Magar, Assistant Manager from Varroc Engineering Ltd., Pune conducted a lecture on "Electric Vehicles" for SE E&TC. Total 67 students attended the same. The lecture was organized by Mrs. Preeti Warriar.

#### Orientation Program on MATLAB & Simulink Campus Wide-License Orientation Session

An Orientation Program on MATLAB & Simulink Campus Wide-License was conducted by the department on 19<sup>th</sup> January 2021 for faculties and students. Total 388 faculties & Students attended the program.

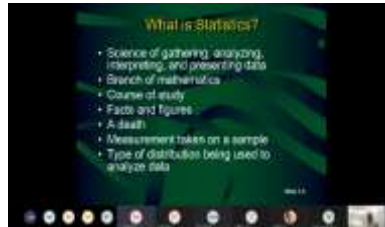
Mr. Satyaki Roy Singha, MathWorks India conducted the program. The Orientation Program was organized by Dr. G R Patil Head of Department.

#### Live Webinar on Motivational Talk

A Live Webinar on Motivational Talk was conducted on 20<sup>th</sup> January 2021 for faculties & students.

Lt. Col Ankush Goyal conducted the webinar. The webinar was organized by Dr. Surekha K S.

#### FDP on Data Analytics Lab



Faculty Orientation Workshop on Data Analytics Lab, SE E&TC Revised Syllabus 2019 was conducted on 21<sup>st</sup> & 22<sup>nd</sup> January 2021.

Dr. G R Patil & Dr. S D Oza from AIT, Dr. Harmeet Kaur Khanuja from MMCOE and Mrs. Rutuja Deshmukh from DYPCOE conducted the FDP. The FDP was organized by Dr. G R Patil Head of Department and Ms. Pragati Rana. Total 110 faculties from AIT & other Institutes attended the same.

#### Guest Lecture & Hands-on Workshop on Data Science and Machine Learning

On 13<sup>th</sup> March 2021, Mr. Manik Hendre, Globant India Pvt. Ltd., Pune conducted a lecture & hands-on workshop on "Data Science and Machine Learning" for SE E&TC. Total 40 students attended the same. The lecture was organized by Mrs. Dhanshree Patil & Mrs. Pragati Rana.

#### FDP on Project Management

FDP on Project Management was conducted from 19<sup>th</sup> to 23<sup>rd</sup> April 2021.

Mr. Abhijeet Deogirikar, Founder & CEO, CopperCloud IoTech, Pune conducted the FDP. The FDP was

organized by Dr. G R Patil Head of Department and Dr. Rajashree Suryawanshi, Ms. Dhanshree Patil, Ms. Pragati Rana. Total 25 faculties from AIT attended the same.

## Alumni Corner

### Know Your Alumni



**Dr. Anuraag Mohan, Ph.D.**  
2001 Batch

An illustrious alumnus of 2001 batch of the department, Dr. Anuraag Mohan is currently Vice president of Engineering at Crocus technology, Santa Clara, USA. Dr Anraag is a strategic technical leader with excellent communication and team building skills who establishes and drives the R&D agenda to deliver business results.

He has exceptional record in leading worldwide multi-disciplinary teams to innovate high-performance sensor solutions for consumer, energy/battery management, automotive, and industrial platforms.

He has led engineering and operations functions including product definition, ASIC design, packaging, thermal, reliability, and program management in matrixed organizations. He has previously worked with Texas Instruments.

He completed his MS and PhD in Electrical Engineering from Delaware University, SA. He has total 14 patents on his name and 8 research publications.

## Magazine Section

### Story

#### *A Promise*

The call of duty of my father who got posted to the border came at the time when I was learning the alphabets of English. Although I wasn't aware of the situation at the time and the work he was going for still my heart didn't want him to leave us. My mood turned gloomy right when he left to the border in the bus along with his troop but I felt safe and comfortable to be with my mother.

Soon the news of the matter was shown on the TV and I got to know about the actual situation, I hoped the matter to be eased off quickly and peacefully. I hoped for the return of my father. My friends at the school were of great support when I missed him.

It turned out, my prayers for peace weren't of much use as the situation worsened and went on for a month. My mother who acted normal in front of me was anxious and stressed about his safety and patiently waited for his call every day, but the Telephone never rang.

All the people in our life, but my mother never had anyone except me to support her and I had no one except my mother. The dreadful wait of a month brought in good news of the cease-fire agreement of both countries.

But still, there was no news of my father and his men. Days passed with hope until the time came when people started to lose hope bit by bit. On a murky evening when we were on the brink of losing it all, my father

appeared out of nowhere, at the front door.

The dim house lit up with zeal. I ran and hugged him tightly and thought of never letting go. My mother who never cried this whole time became numb with wet eyes.

A million feelings and words running through me but all that my voicebox could muster were - 'I missed you, dad, promise that you'll never go again. I love you'

'I love you son, but I can't promise-' was all I could hear.

**P Ali Altaf Khan**  
SE E&TC

### Artwork



**Shuvendu Maity**  
SE E&TC



**Ritu**  
SE E&TC