

# the insider

**MIT**

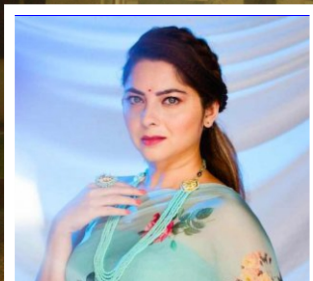
Academy of  
Engineering

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

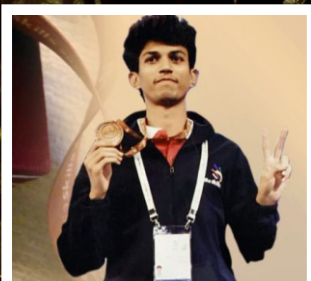
JANUARY  
**2022**  
EDITION



System on a chip



TEDx at MITAOE



Achievements

We would also like to show our gratitude to our faculty and staff members for all their inputs in this newsletter. Any suggestions, feedbacks that might help us improve are welcome.

Reach us at: [marketing@mitaoe.ac.in](mailto:marketing@mitaoe.ac.in)



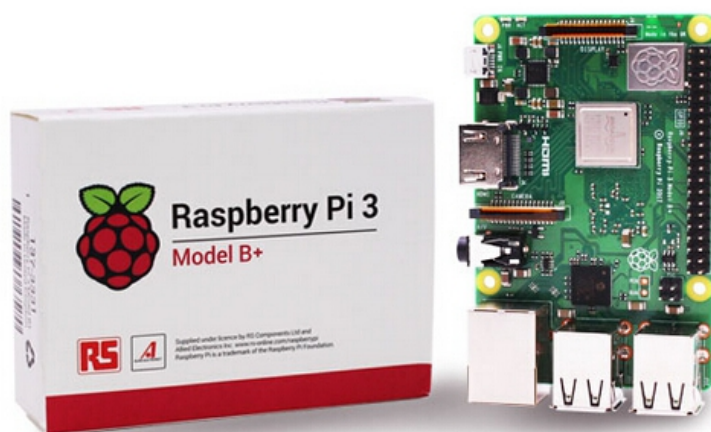


## System on a chip

In the era of smart technology everything is just a click away. Only Electronics and Telecommunication Engineering has enabled this smart combination of software and hardware which can impact the world and bring the “systems on the chip”.

The electronics department of engineering has influenced the quality of smart technology in many ways, with a curriculum that encompasses signal processing, communication, semiconductors, VLSI, power electronics, AI, and Machine learning.

Joyful learning, industry institute interaction, activity-based learning, industry-based



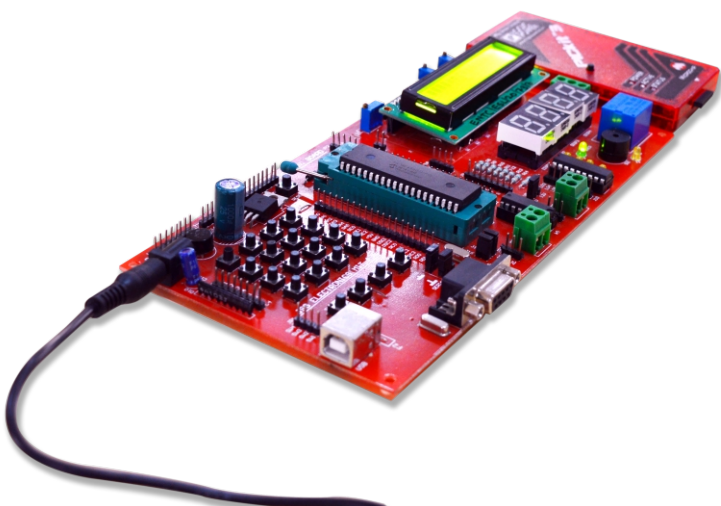
projects, extracurricular and co-curricular activities, and research are all at the highest level at MIT Academy of Engineering.

In addition, student clubs like Spark club, Aeroclub and Robotics club helps the students in activity-based growth in these demanding areas.

Over the course of four semesters, starting with T.Y.B.Tech, the School has added specialized verticals in Robotics and Automation, Internet of Things. The School of Electrical Engineering is dedicated to its students' overall development through pleasurable studying and club activities.

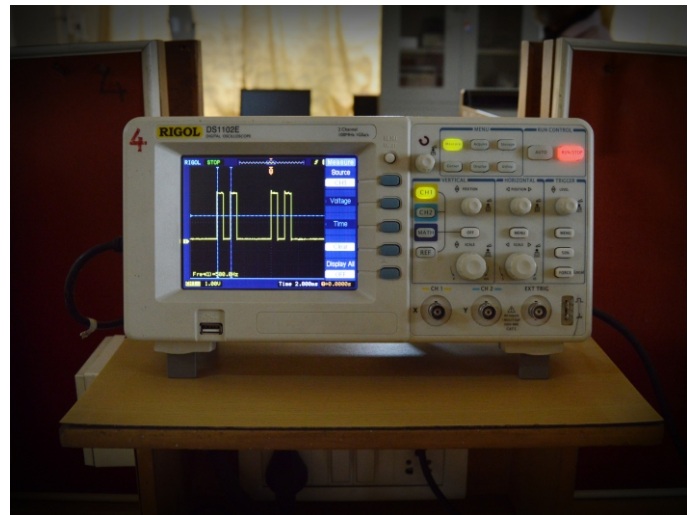


We welcome students to join us in our pursuit of knowledge and its application to society and business.



# E&TC Departments at MIT AOE

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**M**ITAOE established this department to offer telecommunications concentration to interested students. Faculty members' primary goal is to improve students' abilities in communication engineering fields such as satellite, wireless and optical communications, mobile communications, audio and video, and so on. The departments' faculties often organise and attend activities. Conferences, seminars, workshops, guest lectures, and industry visits are all regularly scheduled events. 'App Development' is a module with an add-on. Furthermore, the Savitribai Phule Pune University, AICTE, and the Department of Atomic Energy, Government of India subsidise some rigorous research work carried out by the department's faculty and students.

The department of electronics and telecommunication engineering has well-equipped laboratories with all of the modern equipment, such as Digital storage Oscilloscopes, Multi storage Oscilloscopes, PLCs, Spectrum Analyzers, Flow Measurement and Control systems, Microwave sources, and active, passive devices, to create a theoretical and practical learning environment. The department's goal is to combine co-curricular, research, and extracurricular-based education.



## TEDx at MITAOE

“अंतः अस्ति प्रारंभः” This means that every edge marks the start of a new horizon that can be explored. TEDxMITAOE is an independently organised TED event hosted by MIT Academy of Engineering students, with the goal of bringing ideas worth spreading from all around India to the stage. TEDxMITAOE speeches will contain ideas centred on our subject "MOMENTUM," presenting concepts, ideas, and accomplishments that will motivate, excite and light a flame within our community.

This year's event began with the subject of the second edition, "PRARAMBH." Motivated by the current situation and a desire to see fresh prospects, inventions, and ideals resurrected, we have chosen PRARAMBH as our subject for this year.

The speakers of this event were **Sonalee Kulkarni** who is a well-known actress and a wonderful dancer. After a period of traditional academics, she discovered her passion for acting and began her career as a model. Her contributions to the advancement of regional cinema are commendable since she has appeared in over 25 Marathi films. She has also appeared in various Hindi films and is well-known for her television work.



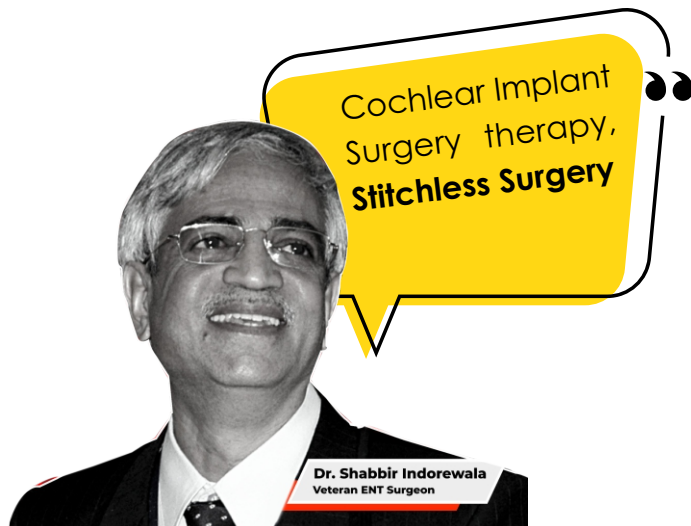
**TED<sup>x</sup> MITAOE**  
x = independently organized TED event



**Abhishek Kar** who is a reputed businessman, merchant, and consultant. He's a YouTuber, podcaster, and author, among other things. He writes for a number of business magazines. He is one of the most prominent bloggers on Quora when it comes to financing and stock markets. The youngest management coach, Abhishek Kar, assists highly motivated individuals in establishing their own empires. He's been putting in a lot of effort to show that nothing is truly impossible, inspired by the belief that "merely existing is not living."



**Harsh&Prachi** are full-time digital marketers and content creators for the travel industry. They are adventurers and global travellers on a mission to study about different cultures around the world. They started their journey across the world in January 2021 and visited two countries and 15 Indian states in just 11 months. Their lives have been spiced up by these college sweethearts. 'Go for your dreams, no matter how large they are, and grab every day's potential to the utmost,' they live by.



**Dr. Shabbir** is a seasoned medical professional who specialises in ENT and otolaryngology. He has almost 39 years of experience as an ENT doctor, with degrees in MS ENT, DORL, and MB BOM. From a clinical aspect, Dr. Shabbir is interested in Cochlear Implant Surgery therapy. The focus of the conversation will be on his 'Stitchless Surgery,' a ground-breaking ENT breakthrough for which he earned a patent.

**Abhay Jere** who is the Chief Innovation Officer at the Ministry of Education. He promotes innovation and entrepreneurship in educational institutions. He wants to create an educational environment free of restraints in the classroom, where kids can come up with truly disruptive or out-of-the-box ideas. Because of the rote learning process, we do not have a culture of appreciating or fostering new ideas. As a result, whether intentionally or unconsciously, we have strangled student creativity and their ability to think beyond the box. His talk is a start toward reinventing academia with creative minds and dismantling the four-wall barrier to allow for infinite out-of-the-box thinking.



# TEDxMITAOE

x = independently organized TED event

5th December, 2021

Autocluster Exhibition Center  
Chinchwad, Pune

## prarambh

BOOK NOW

Dr. Abhay Jere

Prachi and Harsh

Abhishek Kar

Sonalee Kulkarni

Vaishnavi Bhujbal

Dr. Shabbir Indorewala

**Vaishnavi Bhujbal** is a kickboxer, boxer, and wanderer. She rode around the Golden Quadrilateral when she was 18 years old (about 4500 kilometres). In 2019, she was declared World Champion after earning gold in a kickboxing tournament held in Russia. She's been playing the sport since she was eight years old, so she's suffered a lot of mental and physical injuries along the way. To recover from such injuries and become a World Champion needs a tremendous amount of courage and determination. In "Pedaling My Way to Freedom," she'll present her thoughts.

Pedaling My  
Way to Freedom

**Vaishnavi Bhujbal**  
World Champion 2019

## Editorial Section

It is always a pleasure to get positive responses from everyone who happened to go through our newsletter "The Insider". In this month's publication of MITAOE's "The Insider", we are looking forward to introducing our E&TC department. Further, we are looking forward to highlighting the various events, activities, and achievements bagged in by our students and faculty in the month of January 2021.

The intention of "The Insider" is to reach out to our readers to provide information about the institute, and we hope our readers find the same useful and informative. We would also like to show our gratitude to our faculty and staff members for all their input in this newsletter. Any suggestions, feedback that might help us improve are welcome.

Reach us at: [marketing@mitaoe.ac.in](mailto:marketing@mitaoe.ac.in)



## Placements At Kylas/Sell.do

### Congratulations

We are delighted to announce that

**Shivani Bagal** - B.Tech Computer  
**Amit Kumar** - B.Tech Computer  
**Sourabh Kalel** - B.Tech E&TC

has successfully been placed with "Kylas/Sell.do" with a package of **7.88LPA.**

MITAOE wishes them a great success and all the best for their future endeavors

### Congratulations

**Kunal Hole**  
**B.Tech Mechanical.**  
2020-2021

**Rushikesh Korde**  
**B.Tech Mechanical.**  
2020-2021

Job placement at "KION DEMATIC" with a package of **5.00LPA.**

We wishes them a great success and all the best for their future endeavors

### Congratulations



**Omkar Bhandare**  
**B.Tech E&TC.**

has successfully been placed with "HELLA INDIA AUTOMOTIVE PVT. LTD" with a package of **6.5 LPA.**

MITAOE wishes them a great success and all the best for their future endeavors

### Congratulations



**Nachiket Pusadkar**  
**B.Tech E&TC.**  
2021-2022



**Rohit Rajput**  
**B.Tech Computer.**  
2021-2022

Job placement at "Intellipaart" with a package of **5 LPA.**

We wishes them a great success and all the best for their future endeavors

### Congratulations



**Shubham Koshli**  
**B.Tech Mechanical.**  
2021-2022



**Jay Banbheru**  
**B.Tech Mechanical.**  
2021-2022

Job placement at "KION DEMATIC" with a package of **5.00LPA.**

We wishes them a great success and all the best for their future endeavors

# PLACEMENTS AT MIT

### Congratulations



**Aryan Vaisnav**  
**B.Tech Chemical**  
2021-2022



**Rushikesh Kale**  
**B.Tech Mechanical.**  
2021-2022



**Aditya Hedao**  
**B.Tech Electronics.**  
2021-2022

Job placement at "Rudder Analytics Pvt. Ltd" with a package of **4.20 LPA.**

We wishes them a great success and all the best for their future endeavors

### Congratulations



**Shruti Ghadage**  
**B.Tech Mechanical.**



**Suraj Rathod**  
**B.Tech Mechanical.**

has successfully been placed with "Intellipaart" with a package of **5 LPA.**

MITAOE wishes them a great success and all the best for their future endeavors

# Achievements

Third Year Mechanical Students **Shreyash Thorat** and **Vikrant Narad** won the national level SOFE 2022 competition that was held on January 16th 2022. They won prize money worth 300 and 200 euros respectively.



**Mr Aditya Barve** from the computer engineering department got an opportunity for an internship at the University of Zurich, Switzerland.



Third-year Computer Engineering student "**Mr Aditya Birangal**" won Silver and Bronze Medals in "Mobile Application Development" at the India Skills 2021 Regional Compilation held in Chandigarh.



B.Tech final year students from the mechanical department **Mr. Darshan Karanje** and **Mr. Pranav Shinde** won the inter-school debate competition organized by the school of electrical engineering.

Chemdist MOU is signed by School of Mechanical & Civil Engineering. (Mechanical Section)



# Events Organised



**Prof. Vaishali Katkar** and **Prof. Ashutosh Chavan** organized one day workshop on 'App Development using MATLAB' by Mr. Pranav Lad, Mathworks, Pune for Second Year B.Tech students on 19th November 2021.



**Mr. Manish Khandare** conducted an expert lecture on "Career Opportunities after B.Tech Civil" on 08th December 2021 from 9.00 am to 10.00 am.



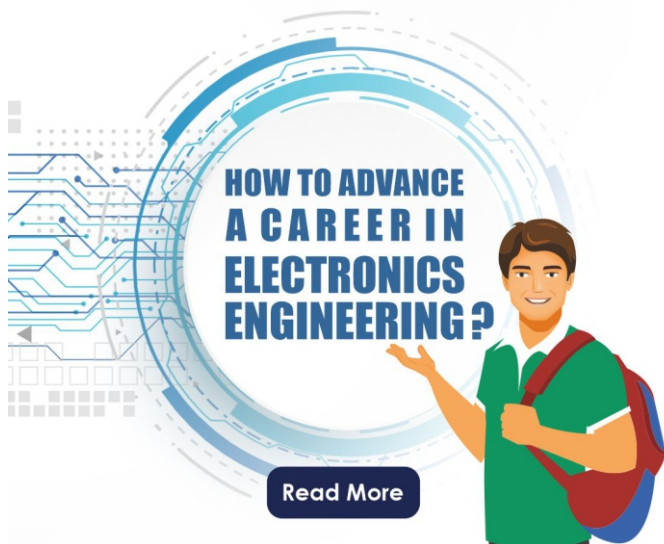
# R&D

1. Mr V.A. Tarange presented a paper at International E-Conference on Sustainable and Futuristic Materials (SFM-2021).
2. Prof. Smita Kulkarni presented a paper titled 'Group Activity Recognition Based on Interaction Contextual Information in Videos Using Machine Learning in the AICTE-NCCCIL 2021 National Conference on Communication, Computational Intelligence and Learning-2021 (NCCCIL 21) organized by the Army Institute of Technology on 12th January 2022 and received Best Paper Award in Track No.1.
3. Renu Kiran Shastri, Chinmaya Prasad Mohanty, Sitaram Dash, Karthick Muthaiah Palaniappan Gopal, A. Raja Annamalai, Chun-Ping Jen published the paper "Reviewing Performance Measures of the Die-Sinking Electrical Discharge Machining Process: Challenges and Future Scopes" in Nanomaterials 2022, (School of Mechanical Engineering)

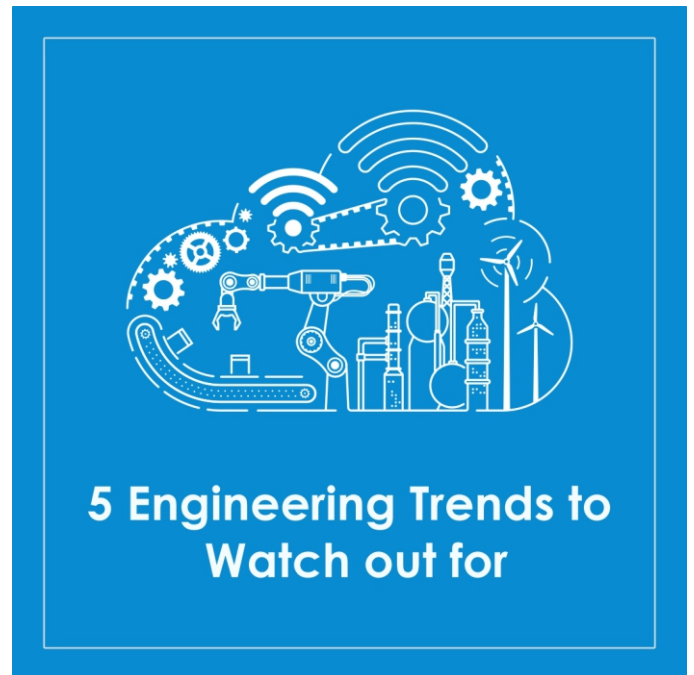
# Blogs

## How To Advance A Career In Electronics Engineering?

Many prospective engineers are unaware of the employment opportunities available to them as electronics engineers. We at MITAOE believe, as technology advances and reaches new heights in the coming years, every industry will require the services of a competent electronics engineer..



<https://mitaoe.ac.in/blog.php>



### 5 Engineering Trends To Watch out for

Understanding the current trends evolving in engineering education MIT AOE has been taking measures to inculcate the latest trends of the industry in order to help its students understand the requirements of companies in the near future.

## Acknowledgement

We thank all the faculty members, staff, and students who have been helpful and cooperative while the newsletter was under process. It is with a team of active members that this edition of "The Insider" is ready to be published.

### Editorial Team

[Shatakshi Sinha](#)

[Deepak Bembale](#)

[Nilesh Lokhande](#)

[Sarvesh Shinde](#)