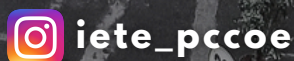


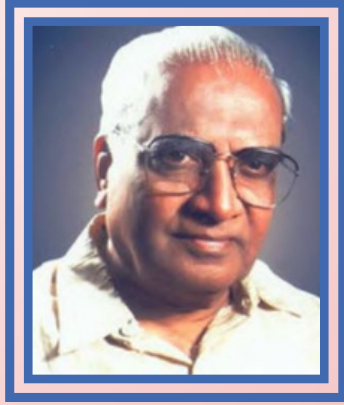
ETSA PCCOE PRESENTS

ETSA *connect*

ISSUE 6 | JUNE 24



Our Inspirations



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Pimpri Chinchwad Education
Trust



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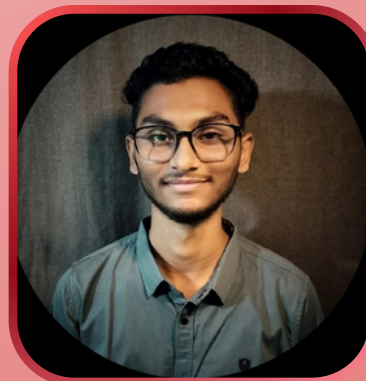
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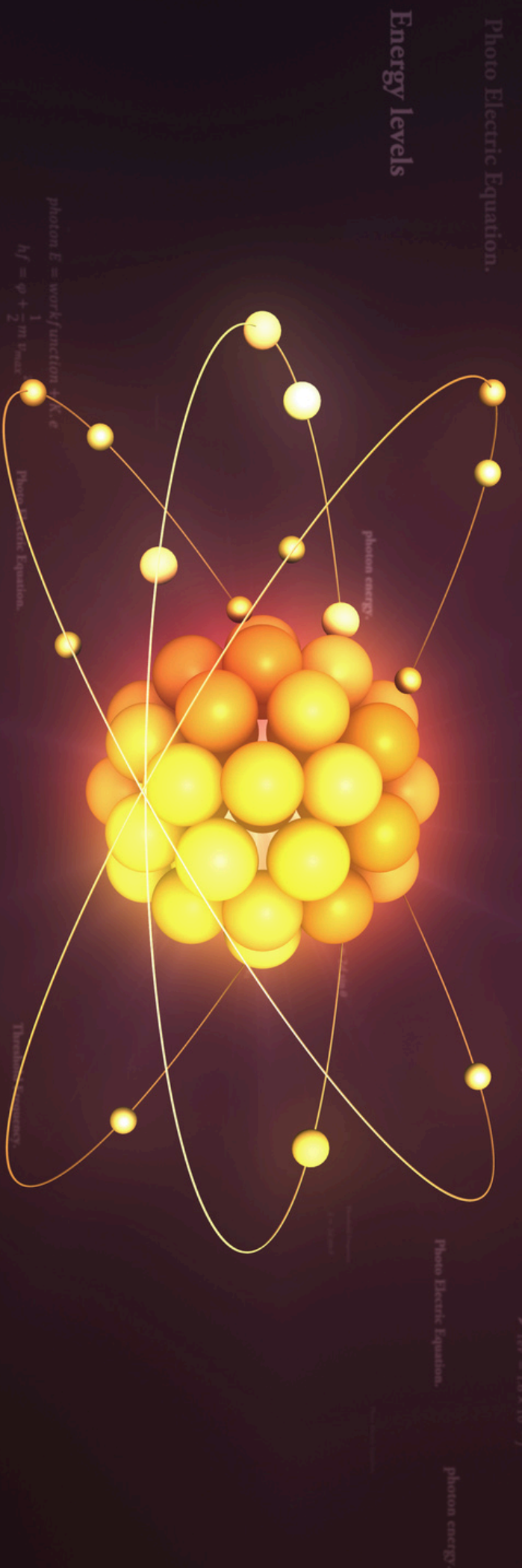
Tushar Alande
Senior Editor



Harish Patil
Senior Editor

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ADVISOR'S MESSAGE

From the

HOD's Desk

Dr. Mahesh T. Kolte
Head Of Department, E&TC



EnTC Department has student-centric approach and aims at establishing in our students a foundation for continuing learning that is required for maintaining competency to solve new problems as they arise and groom our students as solution providers and not answer providers. The department is also taking care for the student's professional behavior that requires adherence to the highest principles of ethical conduct. I wish all the best to Team ETSA-IETE-IEEE SPS for their future endeavours.

ADVISOR'S MESSAGE

From the
**Faculty
Coordinator**

Mrs. Ashwini Shinde
Faculty Coordinator, ETSA



ETSA is the Electronics and Telecommunication Student Association , a platform created by the students for the students. Primary commitment of the ETSA is to provide responsible and equitable student leadership and to mirror the opinions and concerns of all segments of the department. All the events and activities organized attempts to motivate students in campus life and form a close-knit interdisciplinary, multinational student community at the E&TC Department. I wish all the best for Team ETSA for their bright future and dreams.

EDITOR'S MESSAGE



Tushar Alande



Harish Patil

Welcome to ETSA Connect, the official magazine of the Electronics and Telecommunication Students' Association (ETSA) at PCCOE. This magazine serves as a vibrant chronicle of the events, seminars, and activities conducted under ETSA, the IEEE SPS PCCOE Student Chapter, and the IETE Students Forum PCCOE.

Through ETSA Connect, we aim to celebrate the achievements and creativity of our students and faculty while providing a platform for knowledge sharing and collaboration. The magazine showcases a rich collection of event highlights, technical articles, innovative projects, and inspiring success stories. It reflects the spirit of innovation, learning, and community that defines our association.

We hope this magazine ignites curiosity, inspires ideas, and fosters a sense of belonging among our readers. Happy reading!

TEAM ETSA

TEAM IEEE SPS

TEAM IETE SF

ALUMNI CORNER

Mr. Omkar Potdar

2018-19 Batch



My experience with E-Yantra was amazing, while transitioning from the first year of engineering to the second year we were introduced to core electronics and telecommunication subjects. In the early period of my third year I was introduced to the E-Yantra club, initially learning about subjects microcontroller applications has given me some idea about embedded systems and programming. Knowledge of Microcontroller applications has played a vital role for me in the journey of E-Yantra. Right from the third year under the guidance of Prof. Sangita A Patil and prof. Ajay B Patil, we have started our journey.

Seniors were already doing well with their projects, every year IIT Bombay arranges various competitions in the tech fest in which ROBOVR competitions were commendable. Every year theme of the competition changes and we need to build our bot differently. When I entered E-Yantra, Dancing Dolls, archery bot, and basketball robots were developed by our seniors, which fascinated me to know more about robots and overall

robotics. Various workshops were arranged for us by our seniors to understand their projects. Getting inspired from that we have organized a PCB designing workshop in which 50+ participants have marked their attendance.

The workshop included theoretical as well as hands-on practice for PCB design and manufacturing. As we were progressing in the year we have participated in IIT Bombay's robot design competition in the teams. Right From analysis to model designing and completion of product E-Yantra lab and teachers have provided support and guidance. My third-year mini-project was inspired by the previous E-Yantra competition theme. Multiple exhibitions and competitions were arranged in association with the E-Yantra team. Due to the knowledge of embedded programming and E-Yantra workshops, I was able to grab a sponsored project in my final year of engineering.

We as a team have participated in tech fest 2018 and were runner-ups. The highlight of that competition was that PCCOE won 2 first prizes for cheirotoxin and interactive assistance robot. Cheirotoxin project had two dolls that used to dance in sync with the beats of music. It was a complicated project which was accomplished by the team of Ms. Prachi Patil and was manufactured in PCCOE's E-Yantra lab. The assistant robot used to follow the voice command, replicate your voice, and was able to walk, team on Aniket Deshpande grabbed the first prize for the same.

Overall, I can say E-Yantra has crafted my mentality which was beneficial for me at the time of placements and while working as well I can apply my knowledge of programming and hardware. I would like to urge every E&TC student who is out there beginning their journey in the department of E&TC to go and check out our E-Yantra. Recently in the ROBOVR competition events like boxing robot, golf, football robot, and many more topics have been added which will benefit you if you will participate."

ALUMNI CORNER

Mr. Adarsh Sinha

2018-19 Batch



Reflecting on my bachelor's days at PCCOE, they stand out as some of the most exciting and transformative times of my life. Your bachelor's years are when you meet new people and develop lasting friendships. You acquire both technical and life skills and gradually shape your personality through the experiences you gain.

I completed my bachelor's in Electronics and Telecommunications from 2014 to 2018. Four years is a significant period, and at the beginning of this journey, we often feel unsure about who we are and which path to follow. This question remains challenging even after four years, but you gradually refine your direction. For some, the journey is straightforward, while for others, it is filled with twists and turns.

In your first year, you are a blank canvas. You should strive to colour yourself with as many new experiences as possible during these four years. You just might stumble upon something you would want to pursue for the rest of your life. For me, that was electronics.

Initially, I had a vague sense that I grasped electronics better than other topics, but wasn't sure if I truly liked it. This changed when I started applying concepts to create small projects in my free time. I will always remember the concept of pull-down resistors because I spent a long time agonising over a simple circuit that malfunctioned due to not using one. In my view, the best way to learn electronics—or any subject—is by building something and getting your hands dirty.

Throughout my bachelor's, I participated in various project competitions. Some I won, many I didn't, but I always emerged wiser from the experience. Being hands-on is crucial for becoming a good engineer. Don't shy away from challenging projects. Some of my most memorable achievements came from tackling difficult tasks and seeing them through—whether it was leading the Circuit Wizard organizing team during Spectrum, placing third in the international IoT competition at Techfest IIT Bombay, winning the BE final year project competition, or receiving the Best Outgoing Student award. Always be bold and undertake challenging tasks.

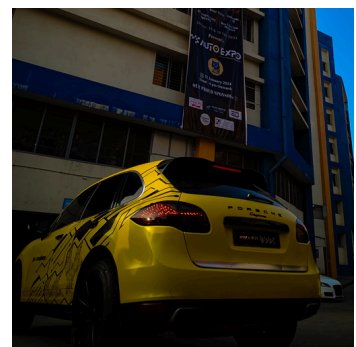
Engineering is not just about academics; it's also about holistic personal development. During my bachelor's, I explored various interests, including singing, learning guitar (for obvious reasons), playing cricket (even though I'm still not very good at it), organizing and teaching workshops, volunteering, trying side gigs, and taking memorable trips. As I mentioned, experiment and experience.

After my bachelor's, many things happened. I worked as an embedded systems engineer at KPIT, then left to pursue an MTech in VLSI at IIT Bombay, and am currently an SoC Logic Design Engineer at Intel. With each transition, you essentially start anew, but the experiences you've accumulated will always give you confidence in overcoming challenges.

Your time during your bachelor's will be among the most formative and memorable periods of your life. Make the most of it.

ETSA EVENTS

2023-2024



Welcome to the ETSA Events section, where we highlight the vibrant and dynamic activities that define our association. From cutting-edge technical seminars and hands-on workshops to innovative exhibitions and engaging fun activities, ETSA is committed to fostering a spirit of learning, creativity, and collaboration. This section showcases the diverse range of events organized by the Electronics and Telecommunication Student Association (ETSA), designed to enrich students' technical knowledge, enhance their professional skills, and provide a platform for networking and idea exchange. Explore our events to see how we bring technology and fun together in a way that inspires and empowers our community.

Induction Program Overview

Date: 13th September 2023
Time: 03:00 to 05:00 PM
Venue: Seminar Hall, 5th Floor, Mechanical Building, PCCOE, Pune



The Induction Program was organized by the Electronics and Telecommunication Student Association (ETSA) in collaboration with IETE-PCCoE Student Forum and IEEE-SPS PCCOE. The event aimed to introduce students from the second, third, and fourth years to the benefits of ETSA, IETE membership, and the opportunities available through these associations.



Dean's Address: Dr. S. U. Bhandari emphasized the importance of academic excellence, research, and professional development. She reassured students of the department's commitment to providing ample support and resources for their success.

Induction Program Overview

Speaker Session: Mr. Sahil Hemnani delivered an inspiring talk, focusing on the transition from students to professionals. He shared a roadmap for coding and career development, emphasizing a three-step process: Learn, Show, Earn. His insights on mobile and web application development, the importance of platforms like LinkedIn and GitHub, and opportunities in freelancing were particularly impactful.



Felicitation of Office-bearers: The newly appointed ETSA office bearers were recognized for their contributions, marking a successful transfer of responsibilities from the outgoing team to the incoming team.



Insights into Jetson Xavier NX and Its Applications

A significant portion of the seminar was dedicated to operating systems, where students delved into the world of Linux and its role in managing hardware resources. Mr. Yadav also provided a hands-on demonstration of Python programming on Jetson Xavier NX, showcasing basic computer vision techniques through a live coding session. The seminar concluded with an introduction to the exciting field of YOLOv5 (You Only Look Once), a state-of-the-art object detection model.

The event wrapped up with an interactive question-and-answer session, allowing students to clarify their doubts and solidify their understanding of the concepts discussed.

Faculty Coordinators:

Mrs. V.S. Bendre,

Mrs. S.A. Patil,

Mrs. M.T. Shelke

Student Coordinators:

Sarthak Joshi, Yash

Mohite, Yash Dhond,

Tejas Bhonde

Seminar on Scope of Embedded Systems

Date: 22nd August 2023

Venue: Seminar Hall,
Mechanical Building,
PCCOE



The IEEE SPS, PCCOE, in collaboration with Vector India Pvt. Ltd, organized a seminar on “**Scope of Embedded Systems**” The session, attended by more than 150 students from the second and third years. The seminar was led by Mr. G. Satish from Vector India and aimed to provide insights into the vast applications and career opportunities in embedded systems. Dr. Mahesh Kolte, HOD E&TC, opened the session with a warm welcome to the speaker, Mr. G. Satish, and set the tone for an engaging and informative discussion.



The speaker highlighted the significance of practical knowledge and skill acquisition, stressing three key qualities for a successful career: Knowledge, Skills, and Experimentation. He also discussed the applications of embedded systems in various fields, including healthcare devices like pacemakers, consumer electronics such as air conditioners and smartwatches, and automotive systems like anti-lock braking systems and advanced driver assistance systems.

Mr. Satish advised students on the importance of being proficient in both hardware and software, as well as programming, to excel in the field of embedded systems. He outlined the broad scope for EnTC engineers in sectors ranging from health to manufacturing.

The seminar concluded with an engaging Q&A session, where students had the opportunity to interact with the speaker, clarify their doubts, and gain a deeper understanding of embedded systems and their future prospects.

Faculty Coordinators:

Dr. Varsha Harpale, Mrs. Ashwini Shinde

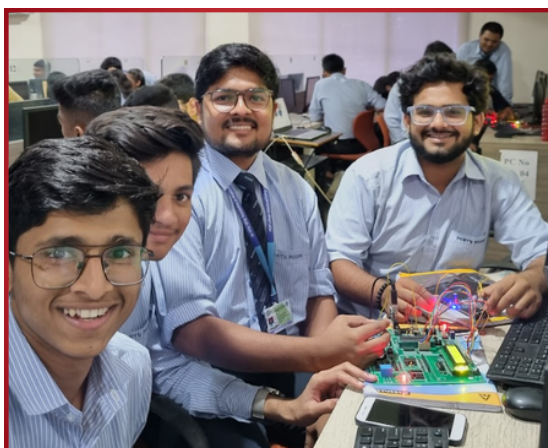
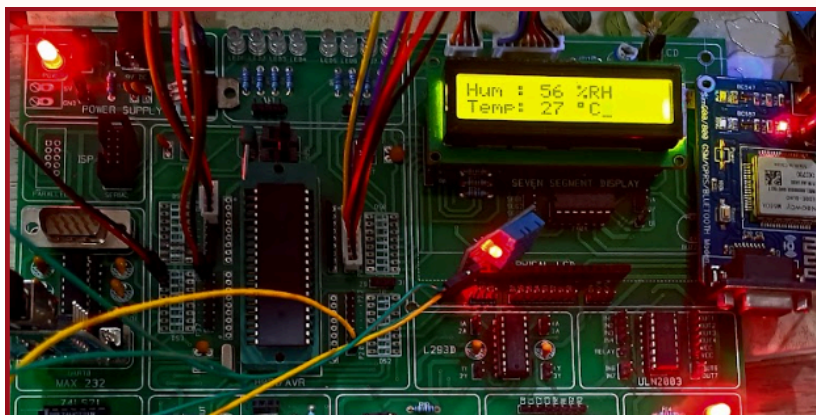
Student Coordinators:

IEEE SPS PCCOE Members



Workshop on 'Industrial Fault Indication System with SMS Alert' using 8051 Microcontroller

Date: 23rd August to
25th August 2023
Venue: Computer
Centre, Mechanical
Building, PCCOE



The IEEE SPS, PCCOE, in collaboration with Team Vector, India, organized a comprehensive three-day workshop on the topic 'Industrial Fault Indication System with SMS Alert using 8051 Microcontroller.' Held from 23rd to 25th August 2023, this workshop provided an in-depth, hands-on experience for 76 participants from the second and third years of the Electronics and Telecommunication (EnTC) department. The workshop, led by esteemed speakers Chandramouli Sir and Prasad Sir, aimed to equip students with the practical skills required to build an industrial fault indication system—a crucial project that integrates various electrical components with the 8051 microcontroller to detect and alert users of potential industrial faults.

Day 1: Introduction to Microcontrollers and Basic Interfacing

The workshop kicked off with a strong focus on the fundamentals of microcontrollers, particularly the 8051 microcontroller, which is widely used in embedded systems. The first half of the day was dedicated to an overview of microcontrollers and their essential role in everyday applications. Students were introduced to the architecture, features, and specifications of the 8051 microcontroller.

The second half of the day moved into practical applications, where students learned to interface basic electrical components such as LEDs and switches with the microcontroller.

Workshop on ‘Industrial Fault Indication System with SMS Alert’ using 8051 Microcontroller

Day 2: LCD and GSM Module Interfacing

The second day of the workshop built upon the foundational knowledge acquired on the first day, focusing on more advanced interfacing techniques. The morning session was devoted to the theoretical and practical aspects of LCD (Liquid Crystal Display) interfacing. Students learned about the various pins and commands associated with LCDs and then applied this knowledge to display characters on the screen using the 8051 microcontroller.



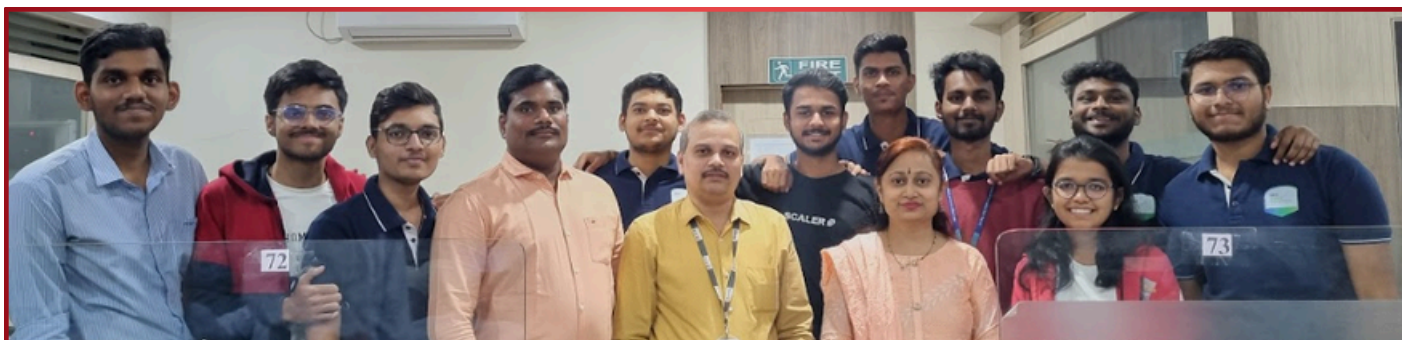
In the afternoon, the workshop shifted to GSM (Global System for Mobile Communications) module interfacing. The session covered the necessary commands for sending and receiving messages and calls, allowing students to develop a communication link between the microcontroller and a mobile network. By the end of the day, participants had successfully sent and received messages via the GSM module, further advancing their project-building skills.



Day 3: UART, EEPROM, Sensor Interfacing, and Final Project

The final day of the workshop centered on integrating the components from previous sessions into a complete project. The morning was dedicated to exploring UART (Universal Asynchronous Receiver-Transmitter) communication and EEPROM (Electrically Erasable Programmable Read-Only Memory) for data storage. Students also learned to interface smoke and temperature sensors with the 8051 microcontroller to detect environmental changes.

In the afternoon, participants applied their knowledge to develop an industrial fault indication system. This system utilized temperature and smoke sensors to monitor conditions, with alerts sent to a mobile phone via the GSM module if predefined thresholds were exceeded. The status and data were displayed on an LCD, allowing real-time monitoring of the system's performance.



Workshop on ‘Industrial Fault Indication System with SMS Alert’ using 8051 Microcontroller

The workshop concluded with a vote of thanks by Dr. Varsha Harpale, who expressed her gratitude to the speakers for their invaluable guidance and knowledge-sharing throughout the event. Participants left the workshop with a thorough understanding of how to interface different electrical devices with the 8051 microcontroller and develop a real-life project that has practical applications in the industrial sector.

Faculty Coordinators:

Dr. Varsha Harpale,
Mrs. Ashwini Shinde,
Mrs. Archana Bhamare

Student Coordinators:

Tushar Alande, Tejas Bhonde, Yash Mohite, Aryan Bharaswadkar, Yash Dhond, Atharva Dusane and all IEEE SPS Members



ARDUINO AND ROBOTICS

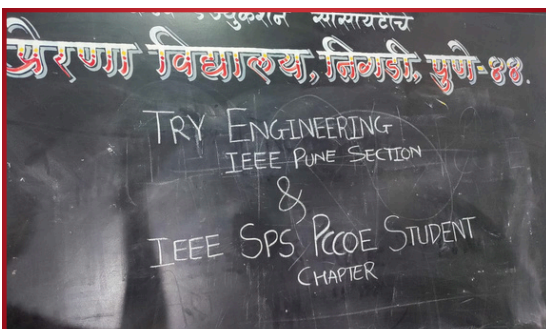
Try Engineering Workshop and Demonstration

Dates: 1st and 2nd
September 2023

Venues:

1st September: Prerna
High School, Nigdi

2nd September: Jnana
Prabodhini School, Nigdi



In an effort to inspire regional school students towards engineering and related fields, Pimpri Chinchwad College of Engineering, IEEE Signal Processing Society Student Chapter, IEEE SPS Pune Chapter, Team Automations PCCOE and IEEE Pune Section organized a half-day workshop under the IEEE Try Engineering initiative. The IEEE TRY Engineering Initiative is supported by the IEEE Pune Section under the guidance of Dr. Mandar Khurjekar. The workshop aimed to provide technical knowledge and hands-on experience with basic hardware and software tools to students who might not have access to such resources. The workshop was instructed by Kshitij Vaze, from Team Automations PCCOE. Demonstrations were conducted in Marathi to ensure better comprehension.

The course was tailored to meet the needs of school students, focusing on Arduino programming and sensor interfacing to design small robots. The objective was to cultivate an interest in electronics and automation engineering, encouraging students to consider engineering as a future career path. Participants engaged with fundamental concepts, including Arduino basics, sensor applications, and robotics integration, to foster a deeper appreciation for technology and innovation.

ARDUINO AND ROBOTICS

Try Engineering Workshop and Demonstration

Dr. Varsha Harpale opened the session with a warm introduction, explaining the goals of the IEEE Try Engineering initiative. The workshop was led by Kshitij Vaze from Team Automaton at Pimpri Chinchwad College of Engineering. He provided an overview of microcontrollers and Arduino, demonstrating the Arduino IDE for programming. Mr. Yash elaborated on the Arduino microcontroller, helping to clarify its functions.

DAY 1- Prerna High School, Nigdi

The students, who were previously unfamiliar with microcontrollers, sensors, and robotics, were introduced to Arduino and its principles in detail. The team showcased robots built by PCCOE Automaton, providing practical insights into robotics. The workshop concluded with a questionnaire to gauge the students' learning and impressions. Special thanks were given to Mrs. Meenkshi Dasari, Principal of Camp Education Trust's Prerana High School, for facilitating this engaging session for 8th and 9th graders.



DAY 2- Jnana Prabodhini Prashala

Mr. Tushar, an organizer from IEEE SPS, introduced the workshop's objectives and the speaker, Kshitij Vaze from Team Automaton at Pimpri Chinchwad College of Engineering. The students at Jnana Prabodhini School were already familiar with Arduino due to their ATAL-sponsored microcontroller lab, so the challenge was to present new and engaging concepts.

Kshitij Vaze successfully introduced advanced topics like Ultrasonic and IR sensors, while Mr. Tushar showcased videos of robotic projects, illustrating the efforts behind building and programming robots. The students, who were keenly interested in these electronic components, actively participated in the demonstrations. Videos of previous robotics competitions, made in collaboration with Team Automaton, were shown to further pique their interest. We extend our gratitude to Dr. Manoj Deolekar, Principal of Jnana Prabodhini School, and Mr. Kalpesh for their support and cooperation. Student feedback was collected through forms and video responses.

Student Co-ordinators: Tushar Alande, Tejas Bhonde, Tejas Indrale, Yash Mohite

Faculty Co-ordinators: Dr. Varsha Harpale, Dr. Varsha Bendre, Mrs. Ashwini Shinde

Demonstration on Deep Learning Model Deployment on Raspberry Pi

Date : 14th October 2023
Mode: Online

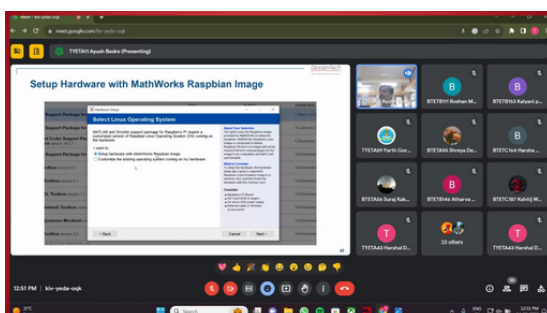
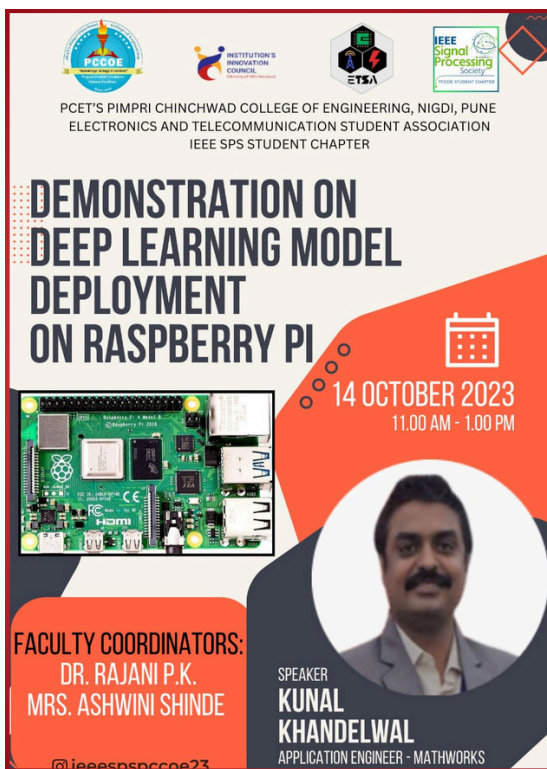
A knowledge-packed session titled "Demonstration on Deep Learning Model Deployment on Raspberry Pi" was conducted online, engaging 75 participants, including IEEE and non-IEEE members. The event aimed to provide insights into deploying deep learning models on embedded systems.

The session was led by Mr. Kunal Khandelwal, an Application Engineer at MathWorks, DesignTech Systems Pvt. Ltd. With over a decade of expertise in AI, Data Analytics, and Image Processing, Mr. Khandelwal has significantly contributed to the field through his work with MATLAB and numerous publications.

The session began by introducing participants to the fundamental differences between supervised and unsupervised learning, providing a solid foundation for understanding machine learning concepts. The focus then shifted to Deep Learning, highlighting its rapid advancements driven by public datasets, GPU acceleration, and pre-trained models.

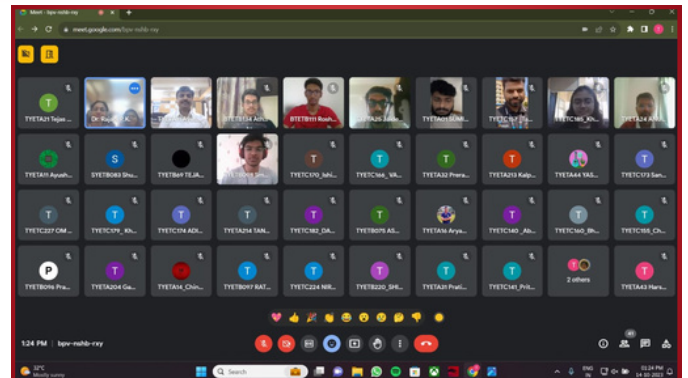
Participants were introduced to the Open Neural Network Exchange (ONNX) for seamless model interoperability and explored real-world use cases like Object Detection with Faster R-CNN, Semantic Segmentation of multispectral images, and Text Data Classification using MATLAB. The speaker emphasized the importance of MATLAB's toolboxes, including the Predictive Maintenance Toolbox, Automated Driving Toolbox, and Medical Imaging Toolbox, in simplifying complex deep learning workflows.

A significant highlight was the step-by-step demonstration of deploying a ResNet-50 model on Raspberry Pi for object classification. The session also showcased the Deep Network Designer App, which allows users to build neural networks without coding, and practical tools like Image Labeler and Video Labeler for efficient data preparation.



Demonstration on Deep Learning Model Deployment on Raspberry Pi

The event bridged theory and practice, equipping attendees with actionable insights into deep learning deployment on embedded systems, and concluded with a live demonstration, cementing the concepts discussed during the session.



Student Co-ordinators:

Ayush Bedre, Harshal Dharmapurikar

Faculty Co-ordinators:

Mrs. Ashwini Shinde, Dr. P.K. Rajni, Dr. Varsha Bendre, Dr. Varsha Harpale



FEST X 3.0

The image features the text "FEST X 3.0" in a bold, red, 3D block font. The letters are rendered with a halftone dot pattern, giving them a textured appearance. The text is centered horizontally and is framed by white architectural outlines that resemble a stage or a platform. The top and bottom outlines are identical, consisting of a series of rectangular blocks with a halftone pattern on their top and bottom surfaces. The background is solid black, which makes the red text and white outlines stand out prominently.

AUTO-EXPO

Date : 14th October 2023
Venue- PCCOE



The Auto-Expo 2024, held on 12th January at PCCOE, Akurdi, Pune, was a grand showcase of the latest innovations and trends in the automotive industry. Organized by the Electronics & Telecommunications Student Association (ETSA) in collaboration with IETE and IEEE PCCOE Student Forums, the event provided a dynamic platform for students, automotive enthusiasts, and industry professionals to connect, exchange ideas, and explore cutting-edge transportation technologies. With an impressive attendance of approximately 5,000 participants, the expo featured a diverse array of exhibitors, ranging from traditional automobile manufacturers to pioneers in electric vehicle technology. Attendees had the opportunity to witness advancements in sustainable transportation, explore innovative automotive solutions, and gain insights into the future of mobility.

The event's success was amplified by the valuable support of its sponsors:

- Campus Times Pune: Enhanced event visibility through promotional coverage, social media engagement, and post-event reporting.
- Budhani Bros Waferwala: Boosted event morale with product sampling and brand representation.
- ED Times: Provided media coverage, social media promotions, and engaging content to reach a broader audience.
- Honda BigWing: Displayed premium motorcycles, offered test rides, and strengthened the expo's appeal.
- Innovative Solutions: Showcased cutting-edge automation solutions, contributing to the expo's technological edge.

BINGE TRIVIA

Date: 18th-19th January
2024

Time: 9:00 AM – 1:00 PM

Venue: ENTC Department,
PCCOE, Akurdi

The Binge Trivia, a fun and non-technical sitcom-themed event, was organized on 18th and 19th January 2024 by the ENTC Department at PCCOE. The event provided a platform for students to exhibit their love for sitcoms while promoting teamwork, creativity, and quick thinking.

The event consisted of three engaging rounds, each designed to test participants' fandom and wit:

- Round 1 (Crossword Quiz): Teams solved a sitcom-based crossword, showcasing their trivia knowledge.
- Round 2 (Dumb Charades): Teams acted out and guessed popular sitcom characters, fostering creativity and collaboration.
- Round 3 (Buzz Blitz): A thrilling buzzer round where teams raced against time to answer sitcom-related questions.

With 76 teams participating, the event witnessed strong enthusiasm and competitive spirit.

- 38 teams advanced to the second round.
- 20 teams competed in the semi-finals.
- The final 8 teams battled it out in the buzzer round to claim victory.

Faculty Coordinators:

Mrs. Ashwini S. Shinde, Mrs. A.S. Shrivastav

Student Coordinators:

Mitali Bhapkar, Pratik Chaudhari, Shraddha Joshi,
Simran Chugh

Volunteers:

Sameer Bhokare, Harsh Pandharpatte, Shruti Badgajar

Participants: 76 Teams

The poster features logos for PCET's Pimpri Chinchwad College of Engineering, NIGDI, Pune; Electronics and Telecommunication Students Association; IEEE SPS Pune Chapter & IETE; and various sponsors including Campus Times, Honda Big Wing, and ED. It includes a QR code for registration, event details, prizes, and contact information for coordinators and volunteers.

PCET'S PIMPRI CHINCHWAD COLLEGE OF ENGINEERING, NIGDI, PUNE
Electronics and telecommunication students Association,
IEEE SPS PUNE CHAPTER & IETE

Binge TRIVIA

Register now!!

Round 1: Quiz
Round 2: Damsharas
Round 3: Buzz Bit

Event Date: 18 & 19 Jan 2024

Exiting Prizes
First Prize | 3000/-
Second Prize | 2000 /-
Third Prize | 1000 /-

Free participation for PCCOE students
Entry Fee: 30 /- per head (for non PCCOEians)

Our Proud Sponsors !!!

Event Co-ordinators
Mitali Bhapkar : 9788829797 Simran Chugh : 9922166963
Pratik Chaudhari : 9112042754 Shraddha Joshi : 7774069153

WhatsApp: :etsapccoe Facebook: :EtsaPccoe LinkedIn: :etsa_pccoe

HOW I MET YOUR MURDERER

Date: 17th-18th January
2024

Time: 11:00 AM – 1:00 PM

Venue: ENTC Department,
PCCOE, Akurdi

FestX 3.0 showcased the thrilling "How I Met Your Murderer", an innovative non-technical event that blended mystery, teamwork, and quick thinking. Drawing inspiration from the popular sitcom "How I Met Your Mother", the event's title set the tone for an exciting experience. It engaged students in activities that tested their intellect and creativity while fostering teamwork and problem-solving skills in an entertaining, unconventional setting.

The event attracted participants from various disciplines eager to dive into a unique combination of mental and physical challenges. It comprised two distinct and exciting rounds:

Round 1: Online Quiz on Slido Platform

Teams competed in a knowledge-based quiz on the Slido platform. The questions covered detective stories, mystery genres, and trivia. The top 6 teams moved on to the second round.

Round 2: On-Campus Treasure Hunt

The finalists embarked on a real-life treasure hunt on campus. Each team received a cryptic paragraph with hints to locate five hidden clues. After deciphering the hints, they raced across the campus to gather evidence. The winning team was the one that successfully located all clues and presented them to the designated detective in the shortest time.

With 76 teams participating, the event witnessed strong enthusiasm and competitive spirit.

- 38 teams advanced to the second round.
- 20 teams competed in the semi-finals.
- The final 8 teams battled it out in the buzzer round to claim victory.

Faculty Coordinators:

Mrs. Ashwini S. Shinde, Mrs. A.S. Shrivastav

Student Coordinators:

Siddhant Babanagar, Sudarshan Kalse, Arpit Ukey

Volunteers:

Gauri Muley, Rohit Baviskar, Akshay Wani

Participants: 88 Teams

PCET'S
PIMPRI CHINCHWAD COLLEGE OF ENGINEERING NIGID, PUNE
ELECTRONICS AND TELECOMMUNICATION STUDENTS
ASSOCIATION, IEEE SPS Pune Chapter & IETE

HOW I MET YOUR MURDERER

ROUND 1: QUIZ ROUND
ROUND 2: QUESTIONAIRE

Register Now:
Participate in the group of 2 or 3
Fees for non-PCCOEian: 30 Rs

PRIZE MONEY
FRIST PRIZE Rs.3000/-
SECOND PRIZE Rs.2000/-
THRID PRIZE Rs.1000/-

Event Date:
18 & 19 Jan
2024

OUR PROUD SPONSORS!!!

Student Co-ordinators:
SUDARSHAN KALSE 90220 41116
ARPIT UKEY 73850 37898
SIDDHANT BABANAGAR 87678 95735

etsapccoe :EtsaPccoe :etsa_pccoe

MINDSYNC

Date: 17th and 18th
January 2024

Venue: Electronics and
Telecommunication
Department, PCCOE

MindSync is a unique gaming and technical experience designed to test the synergy and depth of understanding among team members, emphasizing collaboration and technical problem-solving. This event combined analytical thinking, innovative tasks, and teamwork to challenge participants in an engaging environment. The supplementary segment, Reflection Alignment, added an extra layer of competition and skill development, making MindSync a holistic and stimulating experience for all participants.

Round 1: Online Technical Quiz

- Platform: Conducted online.
- Content: 65 questions across five engineering domains—Computer Science, IT, Electronics & Telecommunication, Mechanical, and Civil Engineering. Each domain had 13 domain-specific questions.
- Format: Participants were free to attempt questions from any domain.
- Highlights: This round saw active participation from 73 contestants, setting the tone for a competitive and thrilling event.

Round 2: Technical Riddles

- Format: A series of intricate technical riddles enhanced with emoji-based hints.
- Objective: Challenge participants to decode abstract clues and identify technologies.
- Skills Tested: Technical knowledge, problem-solving ability, and creative interpretation.

Round 3: Final Round: Real-World Problem Solving

- Objective: Solve diverse problem statements across agriculture, transportation, and communication domains.
- Focus:
 - Individual technical strategy.
 - Team dynamics and collaboration.

The poster for the MINDSYNC event features a dark background with a red, flame-like graphic. At the top, logos for PCCOE, IEEE Signal Processing Society, and PCET'S are displayed. The main text reads: 'PIMPRI CHINCHWAD COLLEGE OF ENGINEERING NIGDI, PUNE ELECTRONICS AND TELE-COMMUNICATION STUDENTS ASSOCIATION, IEEE SPS PUNE CHAPTER & IETE'. Below this, the event title 'MINDSYNC' is written in large, bold, white letters, followed by the subtitle 'TELEPATHIC TECHNICIANS'. A central box lists the rounds: 'ROUND 1: PICTORIAL BASED QUESTIONS', 'ROUND 2: TECHNICAL PROBLEM STATEMENTS', and 'ROUND 3: TELEPATHY'. To the left, the event date '18 & 19 Jan 2024' and entry fee 'Rs.30/- per head (for non-PCCOEians)' are listed. To the right, prize amounts are shown: 'First Prize Rs. 3000/-', 'Second prize Rs. 2000/-', and 'Third prize Rs. 1000/-'. A section titled 'OUR PROUD SPONSORS !!!' lists logos for INNOVATIVE SOLUTIONS, Campus Times, Honda BigWing, and ED. At the bottom, a QR code is provided for registration, along with the names and contact numbers of the event co-ordinators: Devang Edle (8080582715), Snehal Choudhar (8975329787), and Isha Deshpande (9604120795). Social media handles for Instagram (@etsapccoe), Facebook (EtsaPccoe), and LinkedIn (etsa_pccoe) are also listed.

MINDSYNC

- Evaluation: Synergy among team members, alignment of technical preferences, and ability to determine optimal solutions.
- Highlights: This round was the culmination of MindSync, pushing participants to their limits while emphasizing teamwork and strategic thinking.

Bonus Round: Laser Reflection Challenge

- Objective: Teams used mirrors to reflect a laser beam from a fixed point to a designated target.
- Evaluation: Time taken and accuracy in redirecting the laser.
- Highlights: This practical round tested participants' application of optical principles and encouraged hands-on problem-solving.

Faculty Co-ordinators:

Mrs. Ashwini S. Shinde, Mrs. A.S. Shrivastav

Student Co-ordinators:

Devang Edle (T.Y.), Snehal Choudhar (T.Y.), Isha Deshpande (S.Y.)

Student Volunteers:

Ayush Benade (S.Y.), Mayank Gangrediwar (S.Y.), Riddhi Kulkarni (S.Y.), Ahana Mukhopadhyay (S.Y.)

Participants:

Total Registrations: 46 Teams (138 individual participants)

THE ENGINEERING ODYSSEY

Date: 18th-19th January
2024

Time: 10:30 AM – 11:30 AM

Venue: ENTC Department,
PCCOE, Akurdi

The Engineering Odyssey was a technical event conducted on 18th and 19th January within the Department of Electronics and Telecommunication Engineering. A total of 29 teams (three students each) participated in this event. The event consisted of three rounds, which tested participants in various aspects such as technical skills, general knowledge, knowledge of current affairs, communication skills, and problem-solving abilities.

The Engineering Odyssey tested participants' knowledge and skills through engaging rounds. In the first round, teams competed in answering questions related to various engineering concepts. The top-performing teams moved to the next round, a tech giant debate, followed by a treasure hunt where teams searched through engineering books to unlock clues to the ultimate prize—an engineering degree.

Round 1 – STRANGER CONCEPTS:

In Round One, teams competed in a Slido quiz that tested general knowledge, aptitude, and basic engineering concepts. Evaluation was based on accuracy and completion time. The top-performing teams with the most correct answers and the shortest completion time advanced to the next round.

Round 2 – HOUSE OF GIANTS:

The "House of Giants" Debate Round took place on 18th January. Teams, representing major tech giants of this generation, engaged in a debate to determine the most outstanding company. This round took place in room number 6309 and was facilitated by a chair and a panel of judges. Teams presented their arguments and counterarguments, focusing on topics such as societal impact and innovation. Judges evaluated the teams based on content quality, presentation skills, and coordination.

PCET'S PIMPRI CHINCHWAD COLLEGE OF ENGINEERING, NIGDI, PUNE
ELECTRONICS AND TELECOMMUNICATION STUDENT
ASSOCIATION, IEEE SPS PUNE CHAPTER & IETE
Presents
THE ENGINEERING ODYSSEY
'UNLOCK THE ENGINEERING SAGA, WHERE KNOWLEDGE
MEETS NETFLIX AND DEGREES BECOME BLOCKBUSTERS!'
Round 1: Stranger Concepts
Round 2: House of Giants
Round 3: Engineering Chronicles -
The Pages Pursuit
Event Date: 18 & 19 Jan
2024
Register Now!!
Free Registration for
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Entry Fee for Non-
PCCOEians : Rs. 40/-
Win Exciting Prizes
1st Prize : 3000/-
2nd Prize : 2000/-
3rd Prize : 1000/-
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Event coordinators
SHUBHANKAR WADER: 7083693379
RASIKA WAKTE: 9822641257
VIBHAV DALVI: 9920253171
:etsapccoe :EtsaPccoe :etsa_pccoe

Round 3 – ENGINEERING CHRONICLES: THE PAGE OF PURSUIT:

In Round 3, participants faced challenging tasks that tested their problem-solving abilities. This round unfolded in three parts:

1. Clue Decoding: Teams deciphered clues to uncover the location of a coveted book.
2. QR Code Challenge: Teams found QR codes hidden within the pages of engineering books, scanning them to answer progressively difficult questions.
3. The Final Treasure: The climax of the event involved a race to locate the hidden engineering degree. Teams used their intellect and agility to decipher clues and navigate the venue. The order in which teams uncovered the degree determined the first, second, and third-place winners.

Objectives:

- Cultivate teamwork, critical thinking, and a love for engineering through challenges, debates, and a treasure hunt in engineering literature.
- Inspire curiosity and foster interdisciplinary collaboration, imparting skills essential for real-world problem-solving.
- The ultimate prize, an engineering degree, symbolizes the success of participants in embracing knowledge and teamwork.

Faculty Coordinators:

Mrs. Ashwini S. Shinde, Mrs. A.S. Shrivastav

Student Coordinators:

Vibhav Dalvi, Shubhankar Wader, Rasika Wakte

Student Volunteers:

Risha Chopra, Shraddha Samant, Srushti Tinkhede, Arpita Sutar

Participants: 29 Groups – 87 Students

THE EMBEDDED AI CHALLENGE

Date: 18th–19th January 2024

Schedule:

18th January 2024: Round I –
Poster Submission

19th January 2024: Round II –
Poster Presentation

Venue: EnTC Department

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Round 1: Stranger Concepts
Round 2: House of Giants
Round 3: Engineering Chronicles -
The Pages Pursuit

Event Date: 18 & 19 Jan
2024

Register Now!!
Free Registration for
PCCOEians
Entry Fee for Non-
PCCOEians : Rs. 40/-

Win Exciting Prizes
1st Prize : 3000/-
2nd Prize : 2000/-
3rd Prize : 1000/-

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Event coordinators
SHUBHANKAR WADER: 7083693379
RASIKA WAKTE: 9822641257
VIBHAV DALVI: 9920253171

Instagram: :etsapccoe
Facebook: :EtsaPccoe
LinkedIn: :etsa_pccoe

THE EMBEDDED AI CHALLENGE

Faculty Coordinators:

Dr. Varsha Harpale, Mrs. Ashwini Shinde

Student Coordinators:

Tejas Bhonde, Tushar Alande, Shreya Khadse, Arnavi Borikar

Student Achievements