

DEPARTMENT OF ELECTRICAL ENGINEERING
ACCREDITED BY NBA TILL 2025
ELECTRICAL ENGINEERING STUDENT'S ASSOCIATION

OHM
2K24

AMBITIONS TO BE PLANTED
RESOLUTENESS TO BE SUSTAINED



PRESENTS

OJHM

2024-2025

The Annual Souvenir of
Electrical Engineering Student's Association

DEPARTMENT OF ELECTRICAL ENGINEERING

Pune Vidyarthi Griha's

College of Engineering & Technology &
G. K. Pate (Wani) Institute of Management

44, Vidyanagri, Parvati, Pune - 411009

DEPARTMENT OF ELECTRICAL ENGINEERING MILESTONES

1991

Establishment of
Electrical Engg. Dept.

2000

M.E
Electrical Engineering

2002

NBA Accreditation

2008

NBA Accreditation

2009

PhD Research Centre

2011

NBA Accreditation

2019

NBA Accreditation

2022

NBA Accreditation

2023

Solar Power PV
station Energy Club

EESA COMMITTEE 2024-25



Dr. M. S. Thakare
HOD Electrical



Prof. S. H. Yamalla
Staff Coordinator



Kaushal Vetal
General Secretary



Vaibhav Kamble
General Secretary

EESA COMMITTEE 2024-25



Amey Deshpande
TREASURER



Siddesh Supugade
JT. TREASURER



Akash Gawade
MAGAZINE SECRETARY



Kiran Chavan
JT. MAGAZINE SECRETARY



Siddhi Khobragade
CULTURAL SECRETARY



Arkam Bagwan
JT. CULTURAL SECRETARY



Sufiya Patel
PLACEMENT SECRETARY



Prachi Vinchurkar
JT. PLACEMENT SECRETARY



Isha Gokhale
SPAORT SECRETARY



Niraj Somavanshi
JT. SPORT SECRETARY



Aditya Pandit
TOUR SECRETARY



Tanvi Patil
JT. TOUR SECRETARY



Aditya Kamble
LIBRARY SECRETARY



Abhishek Ghodake
JT. LIBRARY SECRETARY



Piyush Bagul
SOCIAL MEDIA HEAD



Manas Patil
SOCIAL MEDIA HEAD



Shantanu Yadav
CLASS REPRESENTATIVE



Pooja Amberdekar
LADIES REPRESENTATIVE

What Lies Ahead...

Inauguration

***Teacher's day
celebration***

Python Workshop

Guest Lecture

***Blood Donation
Camp***

***Industrial Visit
Report***

ALANKAR

FINAL SPARK

INAUGURATION

The Electrical Engineering Students Association (EESA) successfully inaugurated its committee for the academic year 2024-25 on Wednesday, 25th September 2024, at 11 am, organized by the Department of Electrical Engineering at PVG's College of Engineering and Technology, Pune, was a significant event marking the beginning of the academic year.



The event was honored by the presence of Padma Shri Murlikant Petkar, India's first Paralympic gold medalist, as the Chief Guest. His remarkable journey, resilience, and achievements deeply inspired the students. The Guest of Honour, Mr. Sunay Shah, a distinguished alumnus, shared invaluable career insights, encouraging students to embrace adaptability and continuous learning.

The event commenced with a soulful Ganesh Vandana, followed by an address by General Secretary Vaibhav Kamble, who outlined EESA's vision and upcoming initiatives. Principal Dr. Manoj Taramable, Director Mr. R. G. Kaduskar, and HoD Dr. M. S. Thakare highlighted EESA's past accomplishments and motivated the new committee to strive for excellence.

A short video presentation introduced the newly appointed



EESA team, led by General Secretaries Kaushal Vetal and Vaibhav Kamble, along with various secretaries handling cultural, sports, placement, and magazine activities. Their commitment to fostering student development and bridging the gap between academia and industry was applauded.

INAUGURATION

The most awaited segment was Padma Shri Murlikant Petkar's speech, where he shared his struggles and triumphs, leaving a lasting impact on the audience. His son, Mr. Arjun Petkar, emphasized the significance of his father's achievements, reinforcing the values of discipline and perseverance.



Mr. Sunay Shah's engaging session provided students with crucial career guidance, highlighting the importance of networking, skill enhancement, and industry exposure.

A token of appreciation was presented to the esteemed guests, followed by an energetic cultural program showcasing students' talent in dance, singing, and music. A key highlight was the unveiling of EESA's official magazine, "OHM 24",

themed "Sustainability Through Technology." The cover catchphrase, "Ambitions to be planted and resoluteness to be sustained," resonated with the spirit of engineering innovation. The



inauguration concluded with a heartfelt vote of thanks by General Secretary Kaushal Vetal, expressing gratitude to dignitaries, faculty, and students. With a dynamic new team and a visionary roadmap, EESA is set to embark on another year of growth, learning, and excellence.

TEACHER'S DAY CELEBRATION

The Electrical Engineering Student Association (EESA) organized a heartfelt Teacher's Day celebration on Thursday, 5th September 2024, at 11:00 AM in Classroom 205, Main Building, PVG's COET, to honor and appreciate the invaluable contributions of the teaching



faculty. The event was thoughtfully planned and executed by the EESA members, creating a warm and memorable atmosphere for both teachers and students. It



commenced with a welcome speech by Siddhi Khobragade, Cultural Secretary of EESA, who expressed deep gratitude towards the faculty and highlighted their essential role in nurturing students academically and personally. A key highlight of the celebration was the felicitation of all faculty members and lab assistants with special roses,



symbolizing the admiration and respect held by the students. This thoughtful gesture was warmly received by the teachers, whose heartfelt expressions showed their

TEACHER'S DAY CELEBRATION

appreciation. During the event, students personally acknowledged the unique contributions of each teacher, strengthening the student-



teacher bond. The function concluded with a vote of thanks delivered by Shantanu Yadav, Class Representative of TE Electrical, who appreciated the continuous support of the faculty and commended the EESA committee for their efforts in organizing such a meaningful event. Prof. S. T. Gaikwad also addressed the gathering, expressing gratitude on

behalf of all teachers and applauding the students for their respectful initiative. Overall, the Teacher's Day function was a touching tribute that celebrated the pivotal role of educators and set a positive tone for future such occasions.



PYTHON WORKSHOP

Python Training Workshop for BE Electrical Engineering Students:

The Electrical Engineering Department successfully conducted a Python Coding Workshop to equip students with essential programming skills for solving engineering problems. The workshop, held from September 23 to September 28, 2024,



benefited 52 students from the BE Electrical batch. The training was conducted by Mr. Vighnesh Shinde from Lotlite Technologies, with sessions running from 9:00 AM to 6:00 PM. The event was meticulously arranged by Dr. M.S. Thakare and coordinated by Prof. S.H. Yamalla. The workshop commenced with an introduction to Python, covering its user-friendly syntax and features. Students installed software such as

PyCharm, Visual Studio Code, and Google Colab to facilitate hands-on learning. The initial sessions focused on basic programming concepts, including loops, conditionals, data structures, and file handling. An introduction to Data Structures and Algorithms (DSA) was also provided, explaining the significance of time complexity and various algorithmic notations.

As the workshop progressed, Object-Oriented Programming (OOP) concepts such as classes, inheritance, and polymorphism were covered. A mini-project, "Fruit Shop Management System," was



assigned to reinforce these concepts. On the third day, students received feedback on their projects, followed by lessons on arrays, linked lists, stacks, queues,

PYTHON WORKSHOP

and fundamental graph algorithms such as BFS, DFS, and Dijkstra's Algorithm.

The fourth day introduced advanced topics, including two-pointer and sliding window techniques, searching and sorting algorithms, hashing, and recursion.



The final day featured an assessment test, both theoretical and practical, where students attempted to develop a "Real Estate Management System" project. Additionally, students were introduced to LeetCode, a platform for coding practice, to continue enhancing their problem-solving skills.

The workshop concluded with valuable guidance from Dr. M.S. Thakare, emphasizing the importance of applying Python

knowledge in real-world applications. Students provided positive feedback, acknowledging the effectiveness of the training. The event successfully bridged the gap between electrical engineering and programming, ensuring students are well-prepared for future opportunities.



PYTHON WORKSHOP

Hands-On Python Programming Session of SE, Organized by EESA:

On Saturday, March 22, 2025, the Electrical Engineering Students Association (EESA) successfully organized a hands-on Python programming session from 10:00 AM to 1:00 PM.



The session was conducted by Sujay Jawarkar and Pranav Wankhede, students of TE Electrical, both of whom provided valuable insights into Python programming.



The event was graced by the presence of Dr. Mangesh Thakare (HOD Electrical) and Prof. Suresh Yamalla, who felicitated Sujay Jawarkar and Pranav Wankhede, respectively, in recognition of their contribution to the session.



The workshop covered fundamental concepts of Python programming, including conditional statements, looping structures, functions, modules, and various libraries essential for programming efficiency. The facilitators ensured an interactive learning experience by explaining concepts with

PYTHON WORKSHOP

practical examples, which the students of the Second Year (SE) actively practiced.

To reinforce the learning, Sujay and Pranav assigned exercises to the students, encouraging them to apply the concepts discussed during the session.



At the conclusion of the session, student feedback was collected, highlighting the effectiveness and relevance of the workshop. The event provided an excellent opportunity for students to enhance their programming skills and gain hands-on experience in Python.

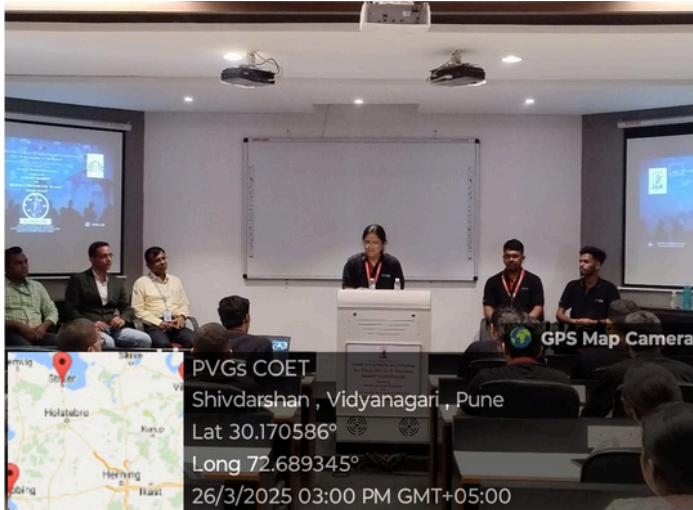
The EESA committee extends its gratitude to the speakers, faculty members, and participants for making this session a success.

Such initiatives continue to foster a culture of learning and innovation among students.



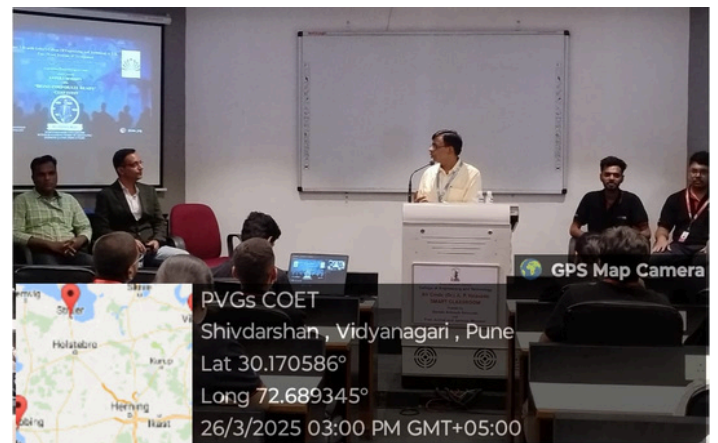
GUEST LECTURE

The Electrical Engineering Students Association (EESA) successfully organized an insightful guest session on Tuesday, 26th March 2024, at 03:00 PM in Classroom 404, Smart Classroom, Main Building, PVG's COET, Pune,



exclusively for Third Year Electrical Engineering students. The topic of the session was “Being Corporate Ready,” and it was delivered by Mr. Samsher Singh, a seasoned corporate professional, soft skills trainer, and motivational speaker, well-known for his engaging presence on professional platforms like LinkedIn. The session aimed to bridge the gap between academic knowledge and the corporate world by focusing on essential soft skills, attitudes, and workplace behavior

needed to succeed in a professional environment. The event commenced with a warm welcome and brief introduction of the guest speaker by Siddhi Khobragade, Cultural Secretary of EESA, followed by encouraging words from Prof. Dr. M. S. Thakare, Head of the Department, who appreciated the initiative and



expressed gratitude to Mr. Singh for dedicating his time and expertise to guide students. Mr. Singh structured his session around five key secrets to becoming corporate ready: being an asset from day one, understanding objectivity versus subjectivity, harnessing the power of choice in every situation, consciously selecting behavioral zones for a positive mindset, and practicing practical stress reduction techniques. Each point was backed

GUEST LECTURE

with relatable real-life examples and analogies, which kept the students highly engaged. He emphasized the importance of proactive behavior, good communication, self-awareness, and emotional intelligence, stressing that these skills are as



vital as technical knowledge in today's corporate world. The session stood out for its interactive nature and the simplicity with which complex ideas were communicated, making the learning highly effective and memorable. Students gained clarity on professional expectations, learned new ways to handle workplace challenges, and felt inspired to improve themselves holistically. The session concluded with a

heartfelt vote of thanks by Shantanu Yadav, Class Representative of TE Electrical, who expressed his appreciation to Mr. Singh for the impactful session, thanked Prof. S. H. Yamalla, EESA Faculty Coordinator, for his continuous support, and acknowledged the students for their attentiveness. Overall, the



guest session proved to be a valuable learning experience that equipped students with essential skills and perspectives as they prepare for internships, placements, and their future careers, and it further strengthened the tradition of EESA in hosting meaningful events for student development.

BLOOD DONATION CAMP

On 3rd April 2025, a Blood Donation and Dental Check-up Camp was jointly organized by the National Service Scheme (NSS) and Electrical Engineering Students' Association (EESA) of Pune Vidyarthi Griha's College of Engineering and Technology & G.K.



Pate (Wani) Institute of Management in association with Bharati Hospital Blood Centre, Dhankawadi, Pune. Held in the Conference Hall from 10:00 AM to 4:00 PM, the event was inaugurated by Prof. Dr. M. S. Thakare, Head of the Electrical Department, and witnessed enthusiastic participation from both students and faculty members. The drive aimed to raise awareness about the life-saving impact of blood

donation, with 107 donors stepping forward to contribute to this noble cause. Alongside blood donation, a



free dental check-up was also conducted, offering students expert consultation on oral health and hygiene. The Bharati Vidyapeeth Medical Team ensured a safe, hygienic, and efficient process, providing refreshments post-donation to ensure donor recovery. The event's success was made



BLOOD DONATION CAMP

possible by the tireless efforts of NSS and EESA volunteers, under the guidance of Prof. Anand Najan, Prof. Uday Sarode (NSS Coordinators), and Prof. Suresh Yamalla (EESA Coordinator), with the support and encouragement of Principal Prof. Dr. Manoj Taramable and Mr. Shashikant Jadhav.



also created a compassionate atmosphere of giving, marking a truly impactful day filled with purpose and service.

The camp not only promoted social responsibility among students but

INDUSTRIAL VISIT REPORT



B.E. ELECTRICAL



B.E. ELECTRICAL



T.E. ELECTRICAL



T.E. ELECTRICAL



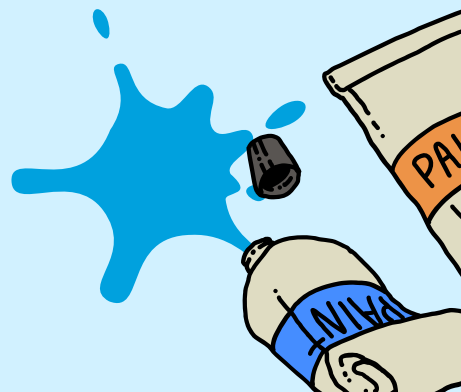
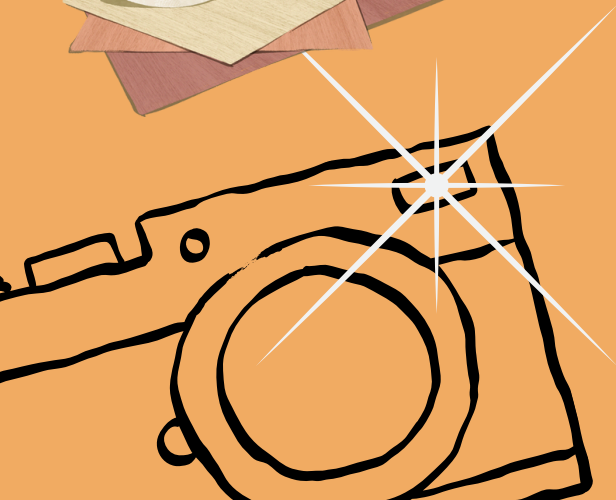
S.E. ELECTRICAL



S.E. ELECTRICAL



AMANKAR





शब्दांगण



एक होकार देशील का?

माइया मनीचे प्रेम तू, कधी समजून घेशील का?
सांग मला प्रिये, एक होकार देशील का?
चालताना तुझ्यासवे, हातात हात घेशील का?
सांग मला प्रिये, एक होकार देशील का?
मला पाहुनी आनंदाने, मिठीत कधी घेशील का?
सांग मला प्रिये, एक होकार देशील का?
पावसाच्या पहिल्या सरीत, माझ्यासवे भिजशील का?
सांग मला प्रिये, एक होकार देशील का?
नाव वेगरे काही नको, फक्त "अहो" मला म्हणशील का?
सांग मला प्रिये, एक होकार देशील का?
थकून आल्यावर संध्याकाळी कडक चहा ठेवशील का?
सांग मला प्रिये, एक होकार देशील का?
या जन्मी तरी कधी तू, माझ्या नशिबी येशील का?
सांग मला प्रिये, एक होकार देशील का?

- Saurabh Desai
TE EE

मला फक्त तूच हवी !!

परीकथेच्या पऱ्या कशाला?
मला फक्त तूच हवी.
सिनेमातल्या नायिका कशाला,
मला फक्त तूच हवी.
चंद्राच्या त्या चांदण्या कशाला?
मला फक्त तूच हवी.
गुलाबी थंडी, गर्द धुके हवे कशाला?
मला फक्त तूच हवी.
तू असल्याचे भास कशाला?
मला फक्त तूच हवी.
दुसरी कोणी हवी कशाला?
मला फक्त तूच हवी.
चाफा मोगरा जाई जुई फुलांचा या दरवळ कशाला?
मला फक्त तूच हवी.
सकाळ-सकाळी साखर झोपेत माझ्या स्वप्नातही,
मला फक्त तूच हवी
आयुष्यातल्या प्रत्येक वळणावर,
मला फक्त तूच हवी.
मला फक्त तूच हवी....

- Saurabh Desai
TE EE

TIME

In today's fast-paced world full of constant competition, responsibilities, and pressure to succeed, we often lose sight of something incredibly important — time. Even though time is always moving, how we experience it can feel completely different depending on what we're going through. For some, it flies by in a blink. For others, it drags on endlessly. The strange thing is, time itself doesn't change — it's our perspective that does.

This difference in perception reminds us of how important empathy is. We can't slow down time for someone who feels overwhelmed, but we can try to understand how they're experiencing it. When we take a moment to see things from someone else's point of view, we start to understand their struggles, emotions, and mindset a little better. And that kind of understanding builds real connection.

Even though we all live through the same 24 hours, we're all in different headspaces. Some people might be excelling in academics but feel no passion. Others may have brilliant ideas but find it hard to bring them to life. Some feel lost without knowing why. Some are trying their best but still not seeing results.

And many are silently fighting battles they can't even explain.

So what can we do? The answer is simple: give people time. Be patient, be kind.

In a world that rarely slows down, maybe we should be the ones who take a moment to care — to really listen and try to understand.

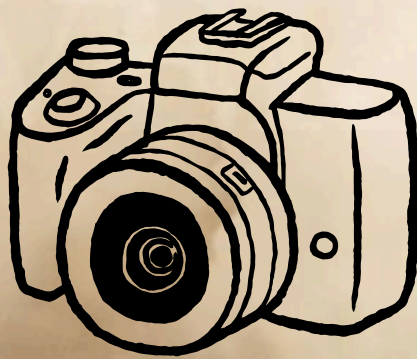
Time is something we all have, but we don't always use it in the best way. Instead of constantly racing against it, maybe we can use it to reflect, grow, and support one another.

Let's look out for each other. Be kind. Be mindful. Be empathetic. Because real progress — both as individuals and as a community — starts with understanding.

We have time. Let's use it well.

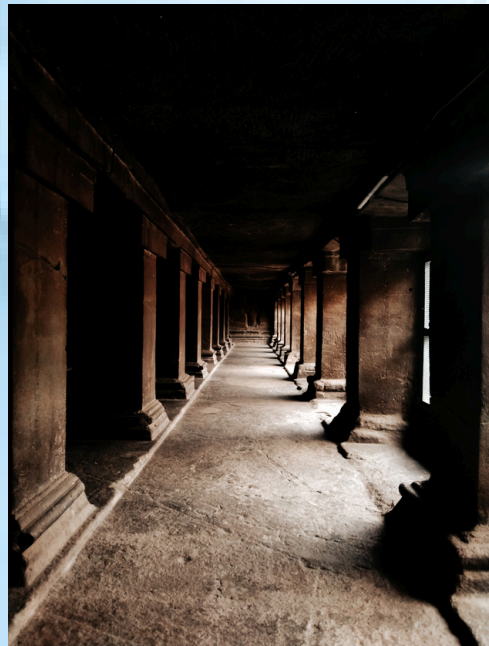


Shutter Tales





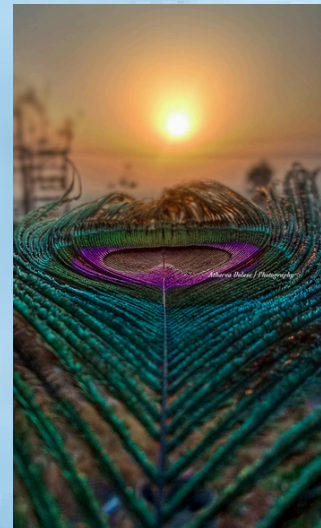
- Viraj Sawant
(BE Electrical)



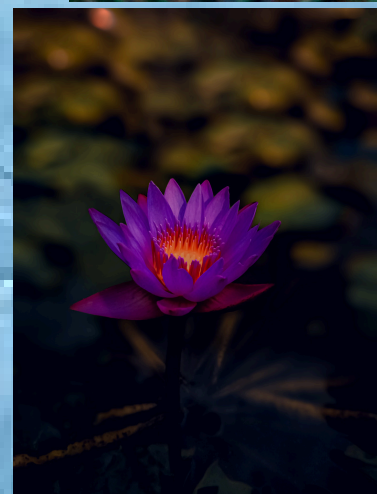
- Siddhesh Supugade
(TE Electrical)



- Fardin Pathan
(BE Electrical)



- Siddhesh Supugade
(TE Electrical)



- Atharv Dolase
(SE Electrical)



- Akash Gawade
(TE Electrical)

ChitraVishwa





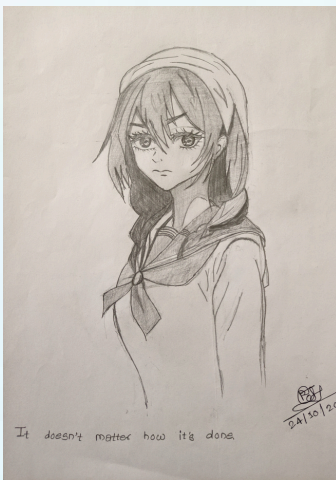
- Viraj Sawant
(BE Electrical)



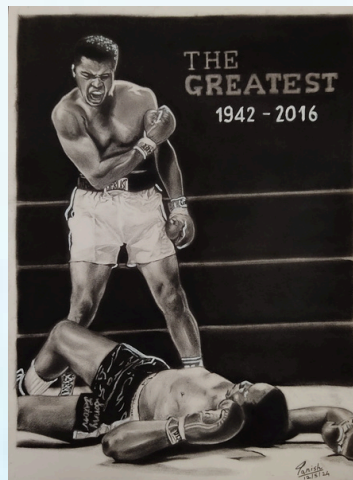
- Tanish Dange
(BE Electrical)



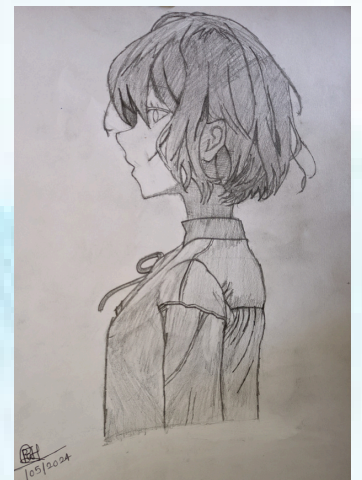
- Manali Nadane
(BE Electrical)



- Fardin Pathan
(BE Electrical)



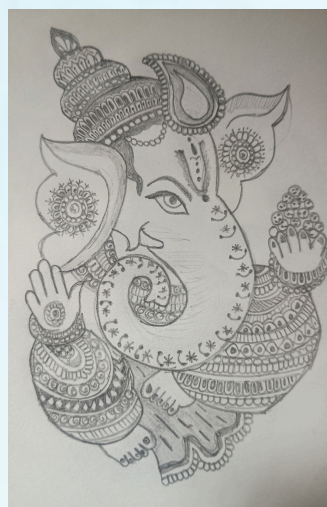
- Tanish Dange
(BE Electrical)



- Fardin Pathan
(BE Electrical)



- Sarthak Sutar
(TE Electrical)



- Kiran Chavan
(TE Electrical)



- Sarthak Sutar
(TE Electrical)



- Kiran Chavan
(TE Electrical)



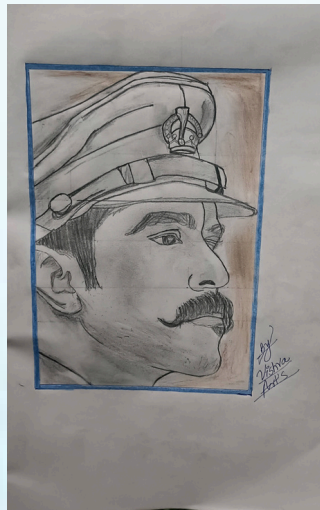
- Sarthak Sutar
(TE Electrical)



- Kiran Chavan
(TE Electrical)



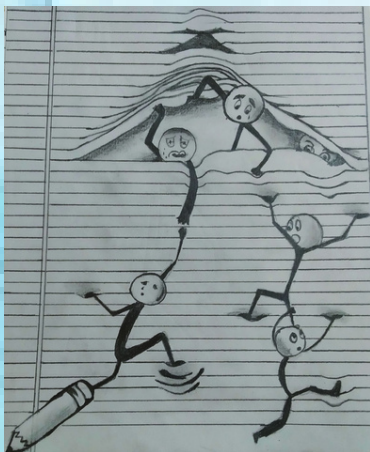
- Sarthak Sutar
(TE Electrical)



- Visvajit Sherkar
(SE Electrical)



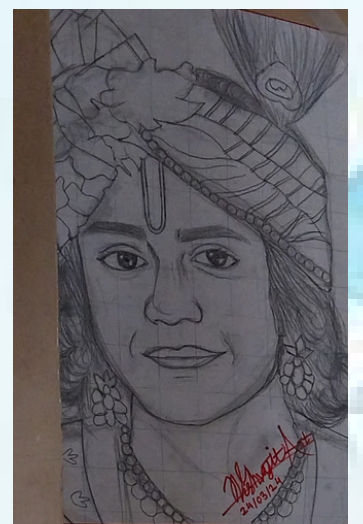
- Atharv Dolase
(SE Electrical)



- Yogini Patil
(SE Electrical)







- Yogini Patil
(SE Electrical)







- Visvajit Sherkar
(SE Electrical)



Final Spark





Name Of Project: Speed control of dc motor using dSPACE			
Guide:	Dr. U. S. Thakar		
Group. No.:	1		
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	Shruti G. Salgaonkar 87666 36140 shrutisalgaonkar81@gmail.com		Atharva Y. Khutwad 90226 24543 atharvayashwantkhutwad@gmail.com





Name Of Project: Autonomous Plastic Waste Collection Boat			
Guide:	Prof. P. R. Khatri		
Group. No.:	8		
	Bhagyashri B. Maigur 8767005137 maigurbhagyashri@gmail.com		Viraj S. Sawant 9156943306 virajsawant009@gmail.com
	Sarthak S. Rakibe 8999536018 sarthakrakibe23@gmail.com		Harsh D. Mane 8380018260 harshmane2422004@gmail.com




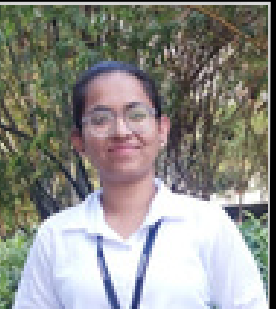
Name Of Project: Military Surveillance Robot			
Guide:	Dr. M. P. Bhawalkar		
Group. No.:	3		
	Lalit A. Ghuge 8080426727 lalitghuge2003@gmail.com		Rutuja B. Gund 9096022017 rutujagund9@gmail.com
	Kalyani J. Salunkhe 9356055038 kalyanisalunkhe3003@gmail.com		Abhijeet N. Solat 7385251176 abhijeetsolat1@gmail.com





Name Of Project: Design of External Anti islanding protection system			
Guide:	Dr. M. S. Thakare		
Group. No.:	4		
	Satyam S. Shirke 72181 27643 satyamshirke2907@gmail.com		Pankaj R. Bhosale 74999 94354 pankajdon2610@gmail.com
	Shivraj S. Suryavanshi 91305 13546 shivrajsuryawanshi0607@gmail.com		Diya Chaware 7385251176 diyachaware@gmail.com

Name Of Project: Speed Control and Condition Monitoring of Single phase Induction motor			
Guide:		Prof. Omkar Pawaskar	
Group. No.:		5	
	Aishwarya Kore 8600818228 aishwaryakore2003@gmail.com		Mukul Ganu 7218079388 mukulganu10@gmail.com
	Tanish Dange 9404378188 tanishdange@gmail.com		Atharva Kokate 7972073967 arkokate2004@gmail.com




Name Of Project: Design and Development of a Remote-Controlled Earthquake Rescue Robot			
Guide:		Prof. S. H. Yamalla	
Group. No.:		6	
	Samrudhi A. Garje 8624814744 samrudhi102003@gmail.com		Prachi A. Garud 9529275799 prachigarud2410@gmail.com
	Shruti A. Hingane 7448090494 shrutihingane1708@gmail.com		Nikhil S. Suryawanshi 9021387364 nikhilsuryawanshi6309@gmail.com



Name Of Project: Labview based platform for battery health assessment and prognostics			
Guide:	Prof.Mrs.Gauri Karve		
Group. No.:	7		
	Hemant A. Kshirsagar 9665439869 hemantkshirsagar2309@gmail.com		Lokesh S. Nehete 76665 40255 lokeshnehete16@gmail.com
	Lokesh A. Dhake 95299 80740 lokeshdhake2004@gmail.com		Sumedh S. Khillare 77589 80197 sumedhkhillare570@gmail.com



Name Of Project: Autonomous Fruit Harvesting Robot			
Guide:	Ms. R. A. Ranjekar mam		
Group. No.:	8		
	Prajwal Gawhale 9284946637 prajwalsgawhale@gmail.com		Umesh Patil 9657367010 umeshlpatil0491@gmail.com
	Vishnu Bodade 9689275296 bodade.vishnu02@gmail.com		Nikita Chavan 8080051056 chavannikita659@gmail.com



Name Of Project: Power Generation using Rooftop Ventilator			
Guide:		Prof. U.B. Sarode Sir	
Group. No.:		9	
	Sahil R. Jaigude 8446052003 sahiljaigude3022@gmail.com		Ruturaj D. Sonwal 9503948382 ruturajsonwal1111@gmail.com
	Rutuja B. Kshetrapale 8767068331 rutujakshetrapale@gmail.com		Aishwarya G. Valsa 9370308938 aishwaryagvalsa777@gmail.com

Name Of Project: Smart Shopping Trolley			
Guide:		Dr. Sunil Gaikwad	
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Name Of Project: Energy Harvesting Backpack using Novel Trans-Rotary Magnetic Gear			
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Name Of Project: P2P solar energy trading using blockchain			
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Name Of Project: Development of test bench for experimental testing			
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