

SARDAR PATEL COLLEGE OF ENGINEERING, ANDHERI
ELECTRICAL ENGINEERING STUDENTS' ASSOCIATION

URJA

1st Edition

BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL COLLEGE OF ENGINEERING

EESA Present's
AWARENESS SESSION ON
CYBER SECURITY

Join our cyber security awareness session to empower yourself with essential knowledge about online safety. Learn how to protect your digital identity, recognize phishing attempts, and safeguard your personal information in an increasingly interconnected world.

Speakers from WRLDC

1. Sh. S. K. Saha
General Manager & Chief Information Security Officer (CISO)
2. Sh. P. Nagasudhir
Manager & Head of IT Department
3. Sh. Shekhar Gupta
Deputy Manager (IT)

DATE - 28 OCTOBER, 2023
TIME - 4 PM TO 6 PM
VENUE - SPIT AUDITORIUM ROOM NO. 008

Be Cyber Smart: Stay One Step Ahead of Digital Threats!

BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL COLLEGE OF ENGINEERING

EESA Presents

AUTOCAD WORKSHOP

FOR FY ELECTRICAL

Unlock your design potential with our AutoCAD workshop - Learn to create, innovate, and design with precision.

Date - 26/10/2023 & 27/10/2023
Time - 4 to 6 PM
Venue - Room No. 239

For more info
Atharva Funde 8306709139
Rugved Nargund 8669992261

EESA COMMITTEE 2023-24
Presents

PROTEUS WORKSHOP...

For FY & SY Electricals

Key Points -

- Basics About Software
- Actual Circuit Making

Date : 7 December, 2023
Time : 4PM to 6PM
Venue : Room No.233

Stay charged and ready to draw circuits ...

SARDAR PATEL COLLEGE OF ENGINEERING, ANDHERI

EESA Organizes

Winter Trip 2024

Pack your bags and get ready to make winter memories that will last a lifetime...

Destinations

- Amritsar
- Manali
- Kasol
- Dalhousie (Mini Switzerland)
- Chandigarh

Snow Activities
Adventure Sports - Paragliding, River Rafting
Campfire, DJ nights and lot more

10 days of winter magic
Date - 8 to 17 January
For booking and more info
Atharva Funde 8306709139

Limited seats available! Secure your place winter wonderland...

Sardar Patel College of Engineering, Andheri

EESA Presents

CIRCUIT HUNT

Where wires meet wonders..!

23 March 2024 9:00 to 11:00 AM Room No. 119

[eesa_spce](#) [eesa_spce](#)

SARDAR PATEL COLLEGE OF ENGINEERING
Electrical Engineering Student's Association
Presents

EESA CUP 2K24...

Compete with honor, Play with heart!

EESA CUP 2K24...

Compete with honor, Play with heart!

SARDAR PATEL COLLEGE OF ENGINEERING, ANDHERI
ELECTRICAL ENGINEERING STUDENT'S ASSOCIATION

INDUSTRIAL VISIT 2024

Khopoli Hydro Energy Generation Plant

27 April, 2024 Saturday

TATA TATA POWER

Sardar Patel College of Engineering, Andheri

EESA Organizes

BLOOD DONATION CAMP

In Association with
Rotary D. G. Goenka Blood Centre

27 March 2024 10:00 AM to 5:00 PM Room No. 119

[eesa_spce](#) **Donate Blood & Save Lives ...** [eesa_spce](#)



BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL COLLEGE OF ENGINEERING, ANDHERI



Electrical Engineering Department



EESA

Electrifying the Future!

Vision

Department of Electrical Engineering aspires to produce socially responsible and dedicated electrical engineer by providing conceptual learning that enhances research based activities.

Mission

- To educate through classroom teaching along with intensive practical activities and promote academic excellence with the help of expertise in different fields of Electrical Engineering from industries and academic institutes.
- To promote innovative ideas through seminars and projects.
- To bring awareness of social responsibilities as an Electrical Engineer

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FOREWORD



With immense joy and gratitude, we present to you the inaugural edition of URJA, the magazine of the Electrical Engineering Students Association 2024 of SPCE. The formation of the EESA committee marked the beginning of a vibrant community of electrical engineering enthusiasts. Today, we are proud to launch this annual magazine, of our esteemed committee.

URJA serves as a platform to memorize the all successful events, technical workshops held by the EESA Committee during this academic year and showcase the multifaceted talents of our students. Beyond their prowess in engineering, they exhibit a remarkable artistic flair through poetry, artwork, and photography. This magazine celebrates their creativity and diversity, shedding light on the vibrant community of engineers at SPCE.

Our deepest appreciation goes to the individuals who have played pivotal roles in bringing URJA to fruition. We extend our sincere thanks to Dr. Sangeeta Daingade the Head of the Electrical Department for their unwavering support and encouragement. Additionally, we are grateful to our esteemed EESA faculty advisors, Prof.Vishal Dake, Prof.Sumbul Abidi, and Prof.Rahul Chavan, for their invaluable guidance throughout this journey.

We extend our heartfelt gratitude to committee members for their dedication and effort in compiling reports and gathering photographs. Their dedication and commitment have been instrumental in shaping URJA into what it is today. We also express our gratitude to the students who have contributed to the magazine's content with their innovative ideas.

Launching URJA is a dream come true for us, marking a significant milestone in our collective aspirations. As we unveil this magazine to the world, we hope that it will captivate and inspire our readers. May URJA serve as a beacon of creativity and innovation, fostering a sense of community and pride among all who engage with it.

-Datta Nangnure

Bhagyashree Zope

• **Magazine Secretaries**
EESA 2023-24





From HOD's Desk

It gives me immense pleasure to express my views on the release of Electrical Engineering Students Association (EESA) URJA magazine. EESA is instrumental throughout the year in organizing cocurricular as well as extra-curricular activities. Electrical engineering department focuses on holistic development of the students by a combination of both co-curricular and extracurricular activities. The events organised by EESA were well planned and has been playing pivotal role in nurturing the intellectual as well as personal growth of our students. This magazine presents review of the activities organised in the AY2023-24.

I congratulate the entire EESA team and faculty coordinators Prof Sumbul Abidi, Prof. Vishal Dake and Prof. Rahul Chavan for their brilliant and collective efforts. Special thanks to our students who participated in all the events managing their regular academic assignments. I extend my heartfelt gratitude to the EESA student members who poured energy, time and passion in these events. Their unwavering dedication to the dissemination of knowledge and cooperative team work has created a thriving learning environment, truly deserves our admiration and appreciation.

Dr. Sangeeta Daingade

HOD Electrical Engineering Department

Sardar Patel College of Engineering, Andheri



Message from EESA Faculty Coordinators

Greetings!

It gives us immense pleasure to address the vibrant and dynamic community of the Electrical Engineering Students Association (EESA) through the esteemed platform of URJA magazine. As the Faculty Coordinators, I have had the privilege of witnessing the growth and accomplishments of our students at Sardar Patel College of Engineering. The dedication, innovation and collaborative spirit exhibited by our members truly embody the essence of our association.

This academic year has been a remarkable journey for EESA, marked by numerous achievements and initiatives that have enriched our academic and extracurricular landscape. From various technical and non technical activities, our students have demonstrated their commitment to excellence and their eagerness to bridge the gap between theoretical knowledge and practical application.

One of the highlights of this year was the EESA Cup, an event that brought together all students from first year to final year to compete in a series of challenging sport events. The enthusiasm and sportsmanship displayed by all involved made this event a memorable and significant part of our calendar.

In addition, our industrial visit to the Khopoli Hydro Power Plant was a resounding success. This visit provided our students with a firsthand look at the operations of a major hydroelectric facility, deepening their understanding of power generation and distribution. The experience was invaluable, offering practical insights that complemented their academic learning.

We also organized a blood donation camp, reflecting our commitment to social responsibility and community welfare. The overwhelming participation from students, faculty, and staff was heartening and demonstrated our collective dedication to making a positive impact on society.



Throughout the year, EESA has hosted a variety of technical and non-technical events. These included guest lectures, technical competitions, and cultural activities. Each event was designed to cater to the holistic development of our students, ensuring a balanced blend of professional growth and personal enrichment.

As we move forward, I urge all members of EESA to continue striving for excellence, embracing innovation, and fostering a collaborative spirit. Let us uphold the rich legacy of our association and work together to create a brighter and more sustainable future.

In closing, We would like to extend my heartfelt gratitude to the Principal, Head of Department ,faculty, alumni and industry partners for their unwavering support and encouragement. To our students, your enthusiasm and hard work are the driving forces behind our collective success. Let us continue to shine and make our mark in the world of electrical engineering.

With best wishes,
Faculty Coordinator, EESA
Sardar Patel College of Engineering

Thank you for your dedication and commitment to making EESA an exemplary association. Together, let us power the future with knowledge, innovation, and integrity.

-Prof. Sumbul Abidi

-Prof. Rahul Chavhan

-Prof. Vishal Dake



EESA COMMITTEE 2K24



- **General Secretary**

Atharva Funde

- **Finance Secretaries**

Rugved Nargund

Nikhil Karad

Apurwa Hatte

- **Technical secretaries**

Khadija Pathan

Gajanan Chavan

Ajit Kashyap

Sourabh Dahibhate

- **Non-technical secretaries**

Kaustubh Patil

Gauri Atre

Vaibhav Marathe

- **Sports Secretaries**

Sanket Patil

Pratikesh Potdar

Ashwini Fulpagare

- **Magazine Secretaries**

Datta Nangnure

Bhagyashree Zope

- **Department Library Heads**

Jayraj Surve

Prajwal Virkar

General Secretary's Address

Getting it all compiled in one page, never thought would make me so nervous , but in the end it all worked out and after a lot of efforts, this what I have to say to my fellow mates. There is so much to say, but first things first, I want to thank all my committee members for their valuable efforts and hard work throughout the year. I would also like to thank Vishal Dake sir, Rahul Chavan sir and Abidi Sumbul ma'am for giving all of us this opportunity. Also I would like to thank all the faculties and students of EED for their help and participation in different events throughout the year.

I still remember the first event we organized. With the help of all the third year students we conducted breadboard workshop for first year students. It was the first interaction between FY and TY students. It helped them in getting introduced to each other and also benefited First year student in performing practicals on breadboard during their lab hours.

Also I cannot forget the trek to Vasota Kille which was organized in November 2023 . Over 100 students from FY, SY and TY participated in this amazing travel. From early departure , travelling through diverse weather condition, having a joint meal, staying in tents under moonlight in the middle of jungle, surviving blackouts due to harsh weather conditions, dancing at midnight, sailing through the water, then freaking through the mountains, reaching the summit, sharing meals on the top of summit and then again going head to head with rains, and much more. Your cooperation made all of it possible. I want to thank all those students who were there when nature was against us. I know it definitely helped them in strengthening their bond of friendship. That definitely was one hell of a trip.

Next highlight of this session was the most awaited, Winter Trip 2024.

It was definitely one of the most difficult challenge we faced throughout the year, but in the end managed to pull it off. From late night plannings and arrangements to execution, it was really a wonderful experience. From the first day in Amritsar to our last day in Chandigarh, never felt that I was away from home because the company of these people make it feel at home. Everyone knows how beautiful Himachal is when it snows, but we got to see something different. Himachal is beautiful when it is green as well. The ride through the valleys and ghats, the experience of paragliding through the mountains in Dalhousie to the river rafting in cold waters of Manali, it was definitely craziest time of our life and a lifetime college memory. I wished it never would have ended :). But there is always an end to good things, it all ended with smiles and sighs of relief.

And now one of the most awaited event of the year, EESA CUP 2024. I am at lack of words to explain the fun and joy this event brought to the students. Someone won and someone lost but that is expected in games. The most shocking thing was the students which I never saw on any ground were playing exceptionally well and giving their all to help their team win. Many students discovered their new potential and capabilities. The girls as well as boys event were equally exciting and energy packed. Student coordinating throughout the class to give their best and win the cup, the point calculation and the strategic plannings for the game brought the students together and made their friendship even stronger. Congratulations to all the winners and I hope you don't forget this feeling of playing sports. I wish you keep playing and keep growing .

As the academic year draws to a close, I extend my deepest gratitude to all the students and faculty members of the Electrical Engineering department. Your dedication, support, and expertise have been invaluable throughout the year. Together, we have overcome challenges, celebrated successes, and contributed to the advancement of knowledge in our field. From late-night study sessions to collaborative projects, your commitment to excellence has been inspiring. To the professors who tirelessly imparted their wisdom and guidance, thank you for your mentorship and encouragement. To my fellow students who shared their knowledge and camaraderie, thank you for your collaboration and friendship. As we part ways , let us carry forward the lessons learned and the bonds forged, knowing that we are all part of a community dedicated to shaping the future of Electrical Engineering. Wishing everyone a restful break and looking forward to continued growth and success in the future.

Thank you, once again, for your unwavering support and commitment.

-Atharva Funde
General Secretary
EESA Committee 2023-24

EESA EVENTS

Awareness Session on Cyber Security



The EESA Committee kicked off the year with a crucial event, an awareness session on cyber security held on October 29th. With cyber threats looming large in today's digital landscape, the session aimed to equip attendees with essential knowledge to navigate the virtual realm safely.

Distinguished guest speakers from POSOCO, Mr. S.K.Saha and Mr.P. Nagasudhir well-versed in cyber security, graced the occasion, delivering invaluable insights and actionable tips. Attendees were enlightened on various facets of cyber security, including best practices for safeguarding personal and organizational data, identifying potential threats, and fortifying digital defenses.

The event served as a timely reminder of the importance of cyber security in an increasingly interconnected world, setting a precedent for future initiatives by the EESA Committee.



*Be Cyber Smart :
Stay One Step Ahead
of Digital Threats!*



Diwali Frame Fiesta

The Photography & Videography Competition

The Diwali Frame Fiesta, a photography and videography competition held during the auspicious occasion of Diwali, illuminated creativity and captured the essence of the festival through lenses. Participants from diverse backgrounds showcased their talent in capturing the vibrant colors, intricate decorations, and joyous moments of Diwali celebrations.

From mesmerizing fireworks lighting up the night sky to the warmth of family gatherings and the glow of diyas adorning homes, each entry in the competition reflected the spirit of Diwali in unique and captivating ways. Participants embraced various themes, including cultural traditions, community spirit, and the triumph of light over darkness.

The Diwali Frame Fiesta provided a platform for photographers and videographers to showcase their talents, share their perspectives, and spread the joy of Diwali with a wider audience. The competition not only celebrated the rich cultural heritage of Diwali but also highlighted the power of visual storytelling to connect people across cultures and continents.

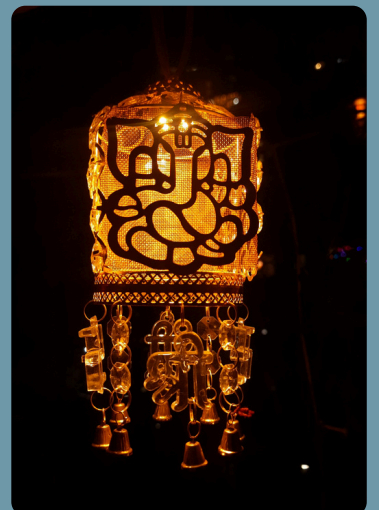
Winners are as follows -

For Photography 📸

1. Mayank Nikumbh
2. Manjeet Sharma
3. Guru patil

For Videography 🎥

1. Janhavi Patil
2. Vishal Gupta
3. Pratham Taksande



Vihang

- The Jungle Trek

The trek to Kille Vasota in Satara District, organized by EESA, offers students a transformative journey through nature's wonders. From lush greenery to rugged terrain, the trek showcases stunning vistas and abundant wildlife.

First-year students embark on their adventure, bonding with classmates and discovering the region's biodiversity. Second-year students, equipped with experience, lead with confidence, fostering teamwork and taking on leadership roles. Third-year students, mentors to their peers, share knowledge and inspire sustainability amidst the trek's challenges. Together, they forge unforgettable memories, strengthening bonds and honing essential skills.

EESA's initiative not only connects students with nature but also fosters personal growth, creating a holistic learning environment beyond the classroom.

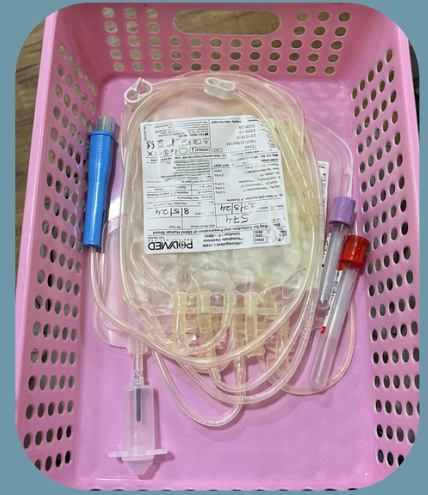


"Breathing in the fresh air, surrounded by the best company : friends and nature"

Blood Donation Camp

The blood donation camp, held on March 27th, 2024, by EESA in partnership with Rotary D.G. Goenka Blood Centre, was a triumph of collaboration and community spirit. With a primary aim to bolster the local blood supply, the event witnessed enthusiastic participation from students, faculty, and local community members, showcasing a strong sense of social responsibility. Amidst strict adherence to safety protocols, including sanitization and social distancing, 38 donors generously contributed various blood types, ensuring an adequate stock for medical emergencies. Educational sessions emphasized the importance of regular blood donation, reinforcing awareness about life-saving impacts. Donors were duly acknowledged with certificates, donor cards, and refreshments, while a physiotherapist provided additional healthcare support.

The event's success, marked by unity and altruism, was further recognized with certificates and a memento from the Blood Centre. EESA extends gratitude to all volunteers and participants, pledging to continue fostering a healthier and more resilient community through similar initiatives in the future.



*One bag of
blood can bring
back one from
the dead...*

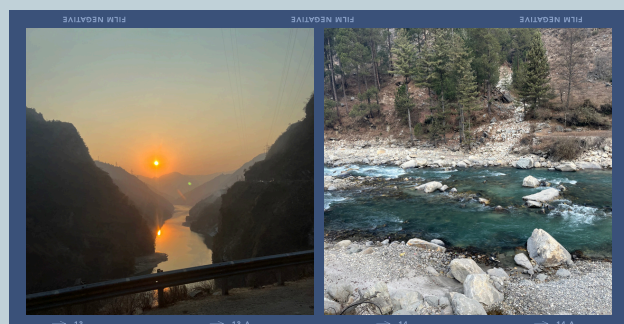


Winter Trip 2K24

The winter expedition organized by EESA took students on a mesmerizing journey through some of North India's most captivating destinations. Departing from Mumbai Central Railway Station, the trip commenced with a profound visit to the Golden Temple in Amritsar, where the students were enraptured by its spiritual ambiance. After a night's rest at Hotel Shallow Suit, they explored local markets and sights before embarking on an overnight journey to Manali.



Manali greeted them with its majestic vistas and thrilling activities, including a full-day excursion to Rohtang Pass and Solang Valley, where they indulged in adventure sports like paragliding. The evening was spent camping under the starlit sky, with a bonfire and lively DJ night adding to the excitement. The journey continued with exhilarating river rafting in Kullu Valley and a visit to the scenic Pandoh Dam before heading to Kasol.



Nestled along the serene banks of the Parvati River, Kasol offered a tranquil retreat from urban life, with its bohemian atmosphere and vibrant local markets showcasing unique handicrafts and culinary delights. The adventure then led to Dalhousie, nestled amidst the picturesque Dhauladhar mountain range. Here, students enjoyed activities like horse riding and zorbing at Khajjar, often referred to as "Mini Switzerland," before exploring local landmarks like Subhash Chowk and Gandhi Market.



The journey concluded in Chandigarh, where students marveled at the city's avant-garde architecture and urban design. After a brief exploration of local sights, the group departed for Mumbai, their hearts full of cherished memories and their spirits rejuvenated by the unforgettable experiences shared during their winter expedition through Northern India.



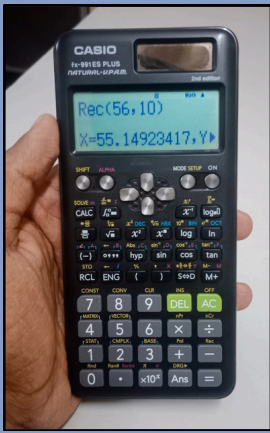
EESA Workshops

EESA organizes a series of technical workshops tailored to the needs of electrical engineering students. These workshops cover a range of essential skills and tools in the field:

Calculator Workshop

This workshop equips students with advanced calculator techniques necessary for solving complex mathematical problems encountered in electrical engineering.

Participants learn to leverage the full capabilities of scientific calculators for calculations involving trigonometry, complex numbers, and statistical analysis.



Breadboard Workshop

In this hands-on workshop, students learn the principles of breadboarding, a fundamental skill for prototyping electrical circuits. Participants gain practical experience in setting up circuits on breadboards, understanding circuit connections, and troubleshooting common issues encountered during circuit construction.



AutoCAD Workshop

The AutoCAD workshop focuses on introducing students to computer-aided design (CAD) software specifically tailored for electrical engineering applications. Through this workshop, participants learn to create and modify technical drawings and schematics, utilizing electrical symbols and conventions for accurate representation of circuits and systems.



Overall, these workshops provided by the EESA committee serve to enhance student's practical skills and proficiency in essential tools and techniques relevant to the field of electrical engineering.

Proteus Workshop

This workshop introduces students to Proteus Design Suite, a powerful software tool for electronic circuit simulation and printed circuit board (PCB) design. Through hands-on exercises, participants learn to simulate and analyze electrical circuits, gaining insights into circuit behavior and performance.



Women's Day Celebration

The International Women's Day celebration organized by the Students' Council in collaboration with EESA, MESA, and CEA on March 11th, 2024, was a vibrant tribute to women's achievements and a call for gender equality.



The event, held at the college entrance, featured engaging activities like the shoe-tie race, blindfold hurdles race, and puzzles and riddles, fostering a sense of fun and camaraderie. Participants were treated to caps and refreshments, with winners receiving thoughtful gifts.



Beyond the games, the celebration resonated with the college's commitment to empowering women and creating an inclusive environment. It served as a platform for reflection, inspiration, and solidarity, encouraging the college community to advocate for gender equality and social justice. This successful event not only honored the contributions of women but also ignited a collective resolve to continue striving for a more equitable society.



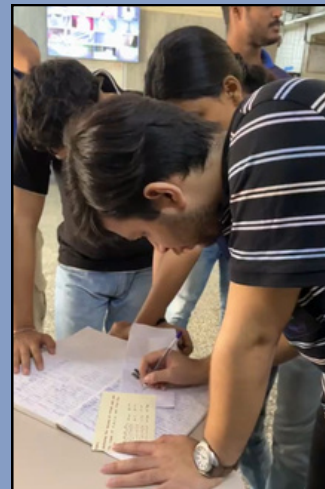
Uplifting voices, courage, & change this Women's day ...

Circuit Hunt

The Circuit Hunt, held on 23 March, 2024, catered to students from FY, SY, and TY, offering them a dynamic platform to delve into circuit solving in an enjoyable manner.

The event spanned from 9:00 AM to 12:00 PM, providing ample time for participants to immerse themselves in the activities. Through hands-on experiences and engaging challenges, attendees not only deepened their understanding of electrical concepts but also honed their problem-solving abilities. The event's interactive format encouraged collaboration and knowledge-sharing among participants and coordinators, fostering a vibrant learning environment. Feedback from participants emphasized the event's success in blending learning with fun, underscoring its effectiveness in bridging theoretical knowledge with practical application.

Ultimately, the Circuit Hunt served as a catalyst for enhancing students' circuit designing skills and nurturing their teamwork abilities, leaving a lasting impact on their academic journey in the field of electrical engineering.



EESA CUP 2K24

The EESA Cup 2024, spanning from April 1st to April 14th, captivated participants and spectators alike with its vibrant display of athletic prowess and camaraderie. This annual extravaganza not only aimed at showcasing sporting talent but also focused on nurturing essential interpersonal qualities among students, such as patience, leadership, and collaborative teamwork.



The inauguration ceremony set the tone for the event with an atmosphere charged with excitement and anticipation. Faculty members and participants gathered to witness the symbolic cutting of the ribbon, officially declaring the commencement of the tournament. The unveiling of the prestigious EESA Cup trophy added to the grandeur, serving as a tangible symbol of honor and achievement for the victorious team.



Diverse sports were on display, ranging from classic outdoor games like Football, Cricket, and Volleyball to lesser-known gems like Box Cricket and Lagori. Additionally, athletic events such as Shotput, Discus Throw, and sprinting competitions added a thrilling dimension to the tournament. Indoors, the competition was just as intense, with Chess, Carrom, Table Tennis, and even Arm Wrestling drawing enthusiastic participants.



The crowning moment came when the B.tech Electrical team emerged as the overall winner, showcasing not only their athletic prowess but also their exemplary teamwork and determination. Even faculty members joined in the fun, trying their hand at Carrom and cherishing the spirit of friendly competition.



The EESA Cup 2024 served as more than just a sporting event; it was a celebration of sportsmanship, fair play, and the unifying power of sports to bridge differences and foster a sense of community. As participants and spectators departed, they carried with them cherished memories, newfound friendships, and a renewed commitment to the values embodied by the EESA Cup.



Honoring the nurturing and transformative spirit of women during Navratri...



Industrial Visit

The EESA Committee, dedicated to enhancing academic experiences, orchestrated an industrial visit to the Khopoli Hydro Power Plant for TY Electrical students on April 27, 2024. This initiative aimed to provide students with practical insights into hydroelectric power generation, aligning with their academic curriculum.

Nestled on the banks of the Patalganaga river, the Khopoli Hydro Power Plant stands as a testament to engineering prowess, with a long-standing operational history dating back to 1915.

Led by experienced professionals, students embarked on a comprehensive tour of the plant, immersing themselves in its various sections and processes. From the intake structure to the turbine hall and control room, they delved into the intricate mechanisms underlying hydroelectric power generation. Discussions centered on turbine types, power generation processes, and environmental considerations, enriching students' understanding of sustainable energy practices.



In conclusion, the industrial visit to the Khopoli Hydro Power Plant served as a platform for TY Electrical students to bridge the gap between theory and practice. It not only deepened their understanding of hydroelectric power generation but also instilled a sense of appreciation for sustainable energy solutions. Such initiatives by the EESA Committee play a pivotal role in shaping well-rounded and industry-ready professionals in the field of electrical engineering.

We ,The Engineers...

We, the Engineers!!

We are all part of the engineering discipline, and we will cultivate it in our future lives. When I say engineering discipline, it doesn't just mean the engineering course or a degree, I would like to connect it with the different disciplines of human life and the society in which we live. Science and Engineering is one of the pillars of human world and has a strong dominance in today's world than ever before! In just a few years, you students will be part of this huge engineering domain and will be experts in one or multiple technologies, or in a particular field, and as you grow, your skills and your expertise will make you a leader on this front.

The question is: how much do we really understand our role as engineer in today's world and it's significance with society? Or do we just relate it to our salary or the perks we receive for our job? No one denies need of income for livelihood or career aspirations for that matter, however, we also need to see beyond this. If we are not able to relate it beyond job role, then it's very unfortunate and disrespectful to 'Knowledge'.

At present, overall society is ignorant towards the role of science in human life, I don't hold you responsible for it. This is happening, because in today's educational system, learning is disconnected from Knowledge, disconnected from our lives. So, engineering is disconnected from human life and society.

We all have learned how humans developed. It has taken centuries to reach today's stage of human life. Every invention on this path was a great discovery. We all know and consider the invention of the 'Wheel' as a milestone of human development. Similar is the evolution of agriculture, which started with just a bunch of seeds. Different civilization stages termed as the Bronze Age, Iron Age which evolved with discovery of ores, and so is the development of language which started with codification of signs. These are just few discoveries to mention. We have lost sight of these milestones. We have lost the historical picture of this human saga. Today, where we stand, is on the foundation of this human Saga. We could not have been here without these contributions of our past. We are forgetting to recognize these contributions in science, technology, engineering, arts, and mathematics.

As an engineer, one must remember this, pay tribute to our past on this front, and always remember this, to pave the way for future endeavours. On the contrary, we have put all this in the hands of markets' philosophy. These market driven technologies are without any connection with human society or most importantly the Environment. This is leading us in a direction where it will challenge our existence on the Earth. We are on the edge where we see the reckless damage to the environment, the depletion of all resources, and mass destruction using the same science and engineering. We need to think about what role we want to play as engineers, who have a very important position in this warfare.

Just give a thought!!

Dr. Swati Lavand
Faculty, EED.

अश्रू

सहज कोणाच्याही डोळ्यात दडून बसणारे हे अश्रू...

या अश्रूंची किमया न्यारीच... कधी हसताना तर कधी रडतांना , कधी जिंकण्यात तर कधी हरण्यात, कधी प्रेमात तर कधी विरहात, कधी सुखात तर कधी दुःखात,

खरंच अगदी सहज या सगळ्या मानवी जीवनाचे दैनंदिन भाग आहेत हे अश्रू...

जेव्हा नवजात शिशु जन्माला येतं तेव्हा हे अश्रूच साक्षी असतात त्या क्षणाला. ती माय माऊली आपल्या शिशुला पहिल्यांदा तिच्या कुशीत घेते तेव्हा लगेच तिच्या नेत्रांतून हलुच टिमटिमणारे हे अश्रू अगदी सहजतेने आईच्या गालावरून त्या शिशुच्या त्वचेला स्पर्श करून जातात...

खरं सांगायचं झालं तर आपण या अश्रूंद्वारेच व्यक्त होत असतो. त्या आईच्या त्या मुलाबद्दल असणारं कुतूहल, माया, प्रेम, जिद्दळा, आणि त्या सोबत तिला दिसणारं त्याचं भवितव्य हे सगळं त्या एका अश्रूमध्ये दडलेलं असावं, त्या शिशुच्याही डोळ्यात पहिल्यांदा अश्रूच दरवळतात किंबहुना तेही त्याच्या आईच्या उपकाराप्रतीच असावेत. आपल्याकडे म्हटलं जातं की मुलं जास्त भावनिक नसतात पण आपल्या प्रिय बहिणीला किंवा मुलीला तिच्या लग्नानंतर सासरी पाठवताना सर्वात जास्त भाराऊन येणारा भाऊ, वडील यांना अनावर होणारे हे अश्रू एका प्रवाहासारखे वाहतात.

आपल्या आयुष्यात अश्रू बऱ्याच गोष्टींचे साक्षी असतात, कधी आपल्या आवडत्या व्यक्तीला भेटताना किंवा ती दूर जाताना... दोन्ही गोष्टी खूप विरोधाभासी असल्या तरी त्या वेळी नकळत नेत्रांमध्ये चाहूल करून येणारे हे अश्रूच असतात.

या अश्रूंचेही अनेक प्रकार- कधी आनंदाश्रू तर कधी दुःखाश्रू, कधी एखाद्या गोष्टीच्या पछातापावर डोळ्यात उभे राहणारे हे अश्रू किंवा कोणा दुसऱ्यासोबत काही बरं वाईट घडत असताना आपल्या नेत्रांमध्ये सहजतेने वाहणारे हे अश्रू बरंच काही सांगून जातात. गंमत तर तेव्हा सुरू होते जेव्हा आपण एखाद्या आठवणीत गुरफटतो तेव्हा त्या क्षणाला अश्रूंची साक्ष ती अशी...

**स्मरणांच्या त्या संगतीत, अश्रूंची ओळख पटते,
जीवनाच्या प्रत्येक क्षणी, अश्रूंची साथ लाभते...**

या अश्रूंचेही अनेक खेळ... लहान मुलगा त्याच्या गोष्टी मनवण्यासाठी लगेच या अश्रूंना पुढे करतो तसंच एक वृद्ध व्यक्ती त्यांच्या संपूर्ण आयुष्याकडे मागे वळून पाहता त्यांच्या या शेवटच्या क्षणाला या अश्रूंचाच पुढे व्हाव लागतं. आपण म्हणतो डोळ्यांकडे बघून आपल्याला समोरच्यांच्या भावना कळतात ते या चंचल अश्रूमुळेच.

कोणाचं दुःख तर कोणाचं सुख हे सहज दर्शवणारे हे अश्रू हळूच पुसले जातात आणि खूप काही सांगूनही जातात. जग फसवे आहे या अश्रूमुळेच आणि तेवढंच निरागसही आहे या अश्रूमुळेच...

**अश्रूंची ही गोष्ट सांगता, मन भरून येतं,
प्रत्येक अश्रूच्या थेंबात, जीवनाचं प्रतिबिंब उमटतं...**

- संकेत पाटील
TY Electrical

कवितेचं पान

लढणे हेच जीवन

प्रगती कर तू अशीच पुढे
हिरमुसून कधी जाऊ नको
यश - अपयश येतच राहतील
लढायचे तू सोडू नको

नागमोडी वळणावर या
यशाचा मार्ग सर करत रहा
येतील मध्ये काटेरी झुडूपेही
परीक्षा समजुनी देत रहा

साथ माझी नेहमी असेल तुला
स्वतःला एकटी समजू नको
पंख फुटूनी आभाळ गवसले तरीही
धरतीला या विसरू नको

झळकत रहा सूर्यासारखी
तुझ्या प्रकाशात उजळू दे जग हे
ध्रुवताऱ्या सारखी चमकत रहा
अढळ कर तुझे स्थान हे

-विशाखा खराडे
B.Tech Electrical

आठवण

अचानक पाऊस कोसळू लागला
नि तुझी आठवण ताजी झाली, हिरव्यागार गवतासारखी
इतरांना आठवत असेल त्यांची सखी, प्रियतमा
पण माझ्या मनी माझी आई जागी झाली...

आठवण तुझी कायमच असते
मातीत लपलेल्या मृदूगंधासारखी
पाऊस आज फक्त कारण झाला
आठवणींचे ओढे ओसंडून वाहण्यासाठी...

ओल्याचिंब निसर्गाकडे पाहत राहिलो
तुझ्या आठवणीत तल्लीन होत
आणि मग तुझ्या हातच्या चहा नि
गरमागरम भज्यांची आठवण झाली...

बाहेर पाऊस, हाती तुझ्या हातचा चहा
आणि तुझी ऊबदार मिठी
या सगळ्याची सर इथं कोणत्याच गोष्टीत नाही
आई तुझ्या इतकं आल्हाददायी माझ्यासाठी दुसरं काही नाही...

आता गारांचा वर्षाव सुरू झाला
तुझ्या हातचा मार ही मग आठवु लागला,
२-३ गारा वेचून घेतल्या, पटकन १ तोंडात टाकली
मन अगदी तृप्त झालं, मार दिल्यावर तू जवळ घ्यायचीस ना अगदी तसं...

हे सगळं आठवताच
या काळ्याकुट्ट ढगांसारखे माझेही डोळे आता पाण्याने भरले
पण यांच्यासारखं कोसळून मला चालणार नव्हते
म्हणून तुझ्या हसऱ्या चेहऱ्यास डोळ्यासमोर धरले...

हळूहळू पाऊस आता शांत होत गेला
मी ही त्यासह सावरु लागलो
इतक्यात तिचा कॉल आला
कदाचित माझ्यासारखी तिला ही माझी आठवण आली असावी...

-दत्ता नांगनुरे
TY Electrical



दुचाकीची उत्क्रांती

आधी होते मी सायकल , साथी दुचाकी बारीक भारी
चालायला लागत असे माझ्या, पैडलला फक्त पायाची वारी
वेग होता कमी, तरी कोसभर चाली
मला पैडल मारता मारता , माणसाची दमछाक झाली
मग माणसानेही लावली युक्ती
पैडल बदलवून मोटर इंजिनची दिली गती
सडपातळ दुचाकी सायकल , आता मोटारसायकल झाली
वेग काय म्हणता, सुसाट पळते भारी
मैल कोस गेले ही तर शेकडोने-चाली
माणसाला हिची लागली गोडी
गावोगावी आता मोटारबाईकचीच जोडी
धावता धावता मात्र दूषित वायू सोडी
दूषित वायू प्रदूषण करी आता काय करावे ?
मानवापुढे ही यक्ष कोडी
पण बुद्धी सोबत होती अभियांत्रिकीची जोडी
अभियांत्रिकीच्या उपयोजितेने सोडविली कोडी
तेलावरचे इंजिन काढून दिली जोडून बॅटरी
झुई-झप करणारी बाईक ,ई-बाईक झाली
शांततेत चालते वेगात कितीही , तेल नाही प्रदूषण नाही
फक्त लागते हिला रविराजाची ऊर्जा न्यारी
सोलर पॅनेलवर चालणारी विजारी
विद्युत - अभियांत्रिकीची किमया भारी
ई- बाईक सृष्टीला प्रदूषणातून तारी।

-लिनेश नागतोडे
TY Electrical





हिंदी

कविता

हम से ना हो पाएगा,
ये कहना बहुत आसान था।
आज फिर हार मानना,
मानो भाग्य में ही लिखा था।
पर फिर मन को समझाया,
उम्मीदों को अब है जगाया।
चलो एक बार और सही,
हार हमभी मानेंगे नहीं।
जीत की यही है परिभाषा,
कभी बुझने न दे दीप सी आशा।
होना तो है उसी का विजय,
जो न करे श्रम से भय।
तु वापस उठ मेहनत कर,
खुद ही अपना भाग्य बदल...

-खदिजा पठाण
TY Electrical

दुनिया के सामने जो हूँ
वो मेरा बनाया हुआ सच
तेरे साथ जो रहूँ

Everything feels easy.much

तेरे साथ करूँ जो महसूस
मेरी मासूमियत है उसका सबूत
अगर मेरा प्यार लगे छलावा
तो देख इन आँखों में
और बता कौन है तेरे अलावा

- सात्विक मंडलिक
FY Electrical



The Richest Person in the World...

Isn't a smaller car much easier to park?
Won't a smaller home mean that you get to see everyone who lives in it for a longer time?
Doesn't a smaller fence mean closer relations with your neighbours?
Doesn't a smaller bed mean more cuddles?
Doesn't a floor work as perfectly as a dining table?
Do you need earphones to hear the music of rain?
Don't a lover's fingers make your best hair day?
Aren't happy children the best anti-wrinkle creams?
Wasn't green grass invented purely to caress bare feet?
A roof above your head ,the warmth ou feel inside while its raining heavily outside, is anything better?
Where is it written that tail-wagging street dogs can't be your squad?
How priceless is a terrace breeze watching the evening city in front of you,alive in its own way!
Isn't a partner's tummy also the world's best pillow?
Isn't the best holiday just forgetting yourself for a day?
And what about old friends who complete your sentences before you can,whom you can pick from right where you left them?
In a new city,far far away from home, can anything match the kindness of stranger's?
An old lover thanking you after dozens of years,does forgiveness even has a price?
Aren't silences the best conversations you need with the ones you love?
Someone you can share your fears without judgement ,how priceless is that?
A song that someone dedicated to you ,isn't that the best ever gift coupon?
Is anything even comparable to the gift of a new day?
Someone's hand waving you goodbye till the platform is out of sight?
Someone waiting up to warm your dinner after you conquer the day,
Does any luxury in this materialistic world even compares with any of these?
How many million ordinary happinessess should we be thankful for?

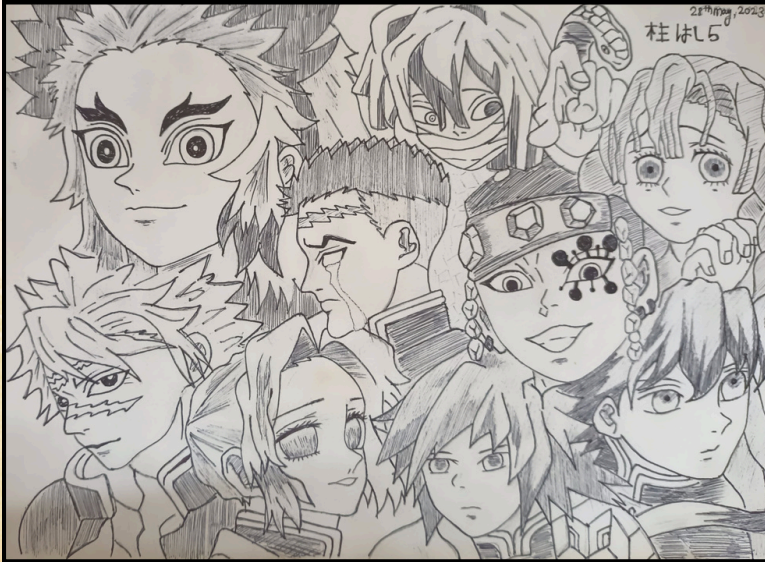
- Saurabh Dahibhate
TY Electrical

Serendipity

In the lavender dawn of every single day...
Luminous moments always find their way.
Over the tangled paths where dreams start to weave.
Vision of a firm future, which we believe.
Every moment feels like an inevitable fate...
Yelling hearts now can hardly wait.
On this path, where destinies collide...
Underneath the soothing sky, so wide.
Chances brings a replica of mine into the life...
Hearts that blend through joy and strife.
In fixing things, my quality does show...
Uniting us where only serendipity can go.

*- Jivan Bayaskar
B.Tech Electrical*

ARTWORKS



-Pavan Deolika
TY Electrical



-Siddhi Ubale
B.Tech Electrical



(Clay Idol)
-Manish Dhande
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-Datta Nangure
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Photography



- *Shawn Massy*
FY Electrical



- *Mayank Nikumbh*
FY Electrical



Controlled conduct, hard work, cheerfulness and
patience are the formulas of life.

A great mantra is to always be optimistic.
It is my own experience that an optimistic person
always moves with a new vigor and energy.

- Sir. M. Visvesvaraya

ELECTRIFYING THE FUTURE...!

