

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT AND RESEARCH

DEPARTMENT OF ELECTRICAL ENGINEERING

AN AUTONOMOUS INSTITUTE AFFILIATED TO R. T. M NAGPUR UNIVERSITY

TRANSFORM KNOWLEDGE SEEKERS TO GLOBALLY COMPETENT PROFESSIONALS IN ELECTRICAL ENGINEERING

SIR SHANTILAL BADJATE CHARITABLE TRUST

Jain S.B.

DEPARTMENT OF ELECTRICAL ENGINEERING MAGAZINE 2022-23



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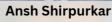
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INSTITUTE VISION & MISSION



• Emerge as a leading institute for developing competent and creative professionals.



- Providing quality infrastructure and experienced faculty for academic excellence.
- Inculcating skills, knowledge and opportunities for competency and creativity.
- Aligning with industries for knowledge sharing, research and development.

MESSAGE FROM THE HEAD OF THE DEPARTMENT



I am pleased to announce the imminent release of the second edition of ELECTROTECH, the technical magazine of the Department of Electrical Engineering for the academic year 2022-2023. This publication serves as a valuable resource for students, aiding in the development of technical proficiency and ancillary skills. I extend my heartfelt wishes to the Electrical League of Ampere Nexus (ELAN) and The Institute of Electrical and Electronic Engineers (IEEE) for continued success in all their endeavors.

I commend the collective coordination and unwavering efforts of the entire team that has contributed to the production of this issue. The department is steadfast in its commitment to nurturing highly skilled and enthusiast engineers capable of navigating the challenges of the real world.

With a focus on a comprehensive teaching approach encompassing both theoretical and practical aspects, our faculty works diligently to ensure the success of our students. I express my sincere wishes for their continued success in these endeavors.

> WITH REGARDS DR. PANKAJ B. THOTE DEAN ACADEMICS, HEAD, ELECTRICAL DEPARTMENT

DEPARTMENT VISION & MISSION



 Transform knowledge seekers to globally competent professionals in Electrical Engineering.



- To provide the highest quality education through qualified and dedicated faculties in electrical and allied engineering.
- To develop technical and professional skills along with work ethics.
- To understand and fulfill the needs of industry and society.

About the Department

Department of Electrical Engineering

"It is a simple feat of scientific electrical engineering - only expensive - blind,faint hearted , doubting world."

-Nikola Tesla

The Electrical Department stands as a cornerstone of technological excellence. Offering a comprehensive curriculum that spans the intricacies of electrical engineering. Faculty members often experts in their fields guide students through a diverse array of subjects, encompassing power systems, electronics, communication and renewable energy. State-of-the-art laboratories provide hands-on experience allowing students to apply theoretical concepts to real-world scenarios. Collaborative projects and industry partnerships further enhance the learning experience, fostering innovation and practical problem-solving skills. Graduates from this department emerge not only with a deep understanding of electrical systems but also with the capability to revolutionize industries and shape the evolving landscape of technology.

ELAN

When all manner of talent strikes, state-of-the-art changes!

"Electrical League of Ampere Nexus" (ELAN), where the students molded themselves in a way better than in former times, it gave a new shape to the students and turned them into a vigorous students.

Along with creativity, leadership has been the most vibrant and electrifying aspect of them.

"ELAN" gives the platform for self-exploring and selfchallenging things.

Team spirit and sportsmen spirit are the two major factors through which the committee works.

Being a forum member gives the opportunity to develop various skills through different activities.

From the day of its formation till today the committee members have been working dynamically and energetically putting their heart and soul into it.

After all, the outcome is more important than the output......



Forum Incharge



MR. SAURABH SINGH

Leading the electrical department forum, ELAN has been an exciting journey filled with communication and community building. One of the highlights of our term has been hosting a variety of events, ranging from academic symposiums to cultural festivals. These activities have not only been enjoyable but have also highlighted the vibrant spirit of our community. The electrical department has actively contributed to social awareness programs in collaboration with various NGOs and under the Unnat Bharat Abhiyan. These initiatives reflect our commitment to making a positive impact beyond the college walls. It's been a privilege to contribute to the dynamic evolution of our college forum, and I'm proud of the steps we have taken toward fostering a sense of community and social responsibility. Congratulations to the entire ELAN and IEEE team for crafting a beautiful magazine! It wonderfully captures students' activities beyond academics.

Best wishes for sharing vibrant and diverse experiences, and bringing joy and inspiration to the college community.

As the in-charge of the ELAN electrical department forum, I'm thrilled to witness the vibrant creativity within our digital space. Our forum is not just a platform but a dynamic community where diverse talents converge, fostering collaboration and growth. The synergy between technology and creativity is palpable, amplifying our voices and stories beyond campus boundaries. Constructive feedback and inclusivity form the backbone of our forum, creating an environment where every contributor's voice is valued. Looking ahead, exciting contests and collaborative projects await, encouraging you to explore new frontiers in our collective creative journey. Thank you for being the driving force behind our forum's vitality.



MS. NIGHAR SHEIKH



CORE COMMITTEE 2023



Vaibhav Burkul President



Mayur Gaikwad Vice President



Piyush Tembhekar Secretary



Manvi Pande Joint Secretary



Kashaf Khan Treasurer



Yogesh Hirpurkar Joint Treasurer



Subhash Pathak F'CR(Boys)



Nisarga Kanade F'CR (Girls)





VAIBHAV BURKUL President

As the president of ELAN. My journey was both challenging and rewarding. I've steered events beyond academics. These initiatives, spanning technical challenges and sports, aid in studies while fostering teamwork and resilience. Leading these efforts sharpens my communication and leadership skills. Amidst the academic pressures, non-technical events like sports provide essential stress relief, emphasizing shared triumphs. This role, though held for a year, is more than a title. it's a commitment to enhancing the college experience, helping students overcome challenges, and shaping a well-rounded journey. Overall, my tenure focused on fostering a dynamic and collaborative environment, empowering students to excel in both academic and professional realms.

As the Vice President of ELAN Forum, I lead a passionate team in organizing diverse events and workshops that transcend traditional academic boundaries. Fostering open dialogue, I encourage students to express opinions and engage in inclusive constructive debates, creating intellectual an Collaborating with faculty community. closely and administration ensures our initiatives align with the college's educational goals. Empowering student leadership is a key focus, enabling individuals to actively contribute to event planning and coordination. In essence, I am dedicated to cultivating an environment that promotes intellectual growth, diversity, and lasting connections within our college community.



MAYUR GAIKWAD Vice President



PIYUSH TEMBHEKAR Secretary

In the pages of our college magazine, I begin with Einstein's wisdom: "The only source of knowledge is experience." As Secretary of ELAN Forum at SB Jain College's Electrical Department, guided by Dr. Pankaj Thote, Miss. Nighar Sheikh and Mr. Saurabh Singh, I've witnessed transformative experiences. ELAN Forum is our platform for learning, creativity, and teamwork in electrical engineering. environment of excellence, Their support fosters an confidence enhancing and opening doors to new opportunities within IEEE. Together, we strive to make a lasting impact on SB Jain College's electrical engineering landscape.

Serving as the Join Secretary for the Departmental forum ELAN is an honor and a commitment to enriching the student experience. My role involves not only administrative tasks but also actively shaping a vibrant community. Through strategic leadership, I coordinate events, ensuring they align with our diverse student body's interests. Communication is key to disseminating information effectively through various channels. I foster engagement and inclusivity. Meticulous record-keeping and a problem-solving mindset contribute to ELAN's seamless operation. With adaptability as my ally, I navigate challenges, aiming to make ELAN a dynamic space where students exchange ideas, learn collaboratively and build lasting networks.



MANVI PANDE Join Secretary



KASHAF KHAN Treasurer

As the treasurer of ELAN. I ensured financial transparency, accountability, and optimal resource management. Open communication, keeping members informed about budgets and expenses. Collaboration with fellow executives and members is key for strategic financial planning and successful implementation. I aim to foster a financially stable and vibrant environment for the entire ELAN community. I contributed to the forum's overall stability and success, facilitating the smooth execution of various initiatives and fostering a positive financial environment for the department.

I am honoured to serve as your Vice Treasurer, actively contributing to the financial well-being of our vibrant community. In this role, I meticulously manage transaction records, collaborate on budget planning, and ensure the responsible allocation of resources. Team trust inspires me to enhance financial literacy through engaging initiatives, workshops, and accessible reports. I aim to tailor our financial strategies to best meet the evolving needs of our diverse membership. Together, let's continue to navigate the fiscal landscape, ensuring ELAN College Forum thrives both financially and communally.



YOGESH HIRPURKAR Joint Treasurer



SUBHASH PATHAK F'CR (Boys)

As the Forum Class Representative of boys. I'm honoured to bridge the gap between students and the administration. Conducting open forums and surveys. I gather diverse opinions to ensure the male voice is heard. Collaborating with female representatives, we enhance unity and inclusivity in ELAN. Organizing events and workshops, we've celebrated diversity, improved academic support, and facilitated career guidance. Despite challenges, this role has been a fulfilling journey. contributing to a more student-centric and enriching college experience. Together, we navigate this path with ELAN, fostering a sense of camaraderie and growth within our academic community.

My journey through college is not just about acquiring knowledge but also about developing resilience, adaptability, and a deeper understanding of Myself. Seize each moment as a chance to evolve and shape my narrative. My 2 years of experience in the ELAN committee have shaped my narrative. As I remember our journey through college is not just about grades and exams, it's about forging connections, exchanging ideas, and embracing the diverse tapestry of experiences. Let's support each other, share our stories, and make the most of this incredible chapter in our lives. Together, we're not just students; we're a community shaping our futures!



NISARGA KANADE F'CR (Girls)

ACTIVTIES UNDER ELAN



ROAD SAFETY AWARENESS

"JANAKROSH"

Coordination between ELAN and the NGO Janakrosh. Students Vaibhav Burkul, Mayur Gaikwad, Piyush Tembhekar, Yogesh Hirpurkar, Kashaf Khan, Subhash Pathak, Nisarga Kanade and other volunteers were involved.

The road safety awareness program aimed to raise public awareness about following rules and regulations to promote responsible driving practices. Led by NGO, Janakrosh Secretary Ravi Kaskhedikar and ELAN forum In-Charge Prof. Saurabh Singh, the program conducted workshops and seminars to educate on reckless driving, seatbelts, and helmets. It also emphasized stricter enforcement and community involvement in creating safer road environments.



JUMANJI, organized by ELAN in Technoutsav, is a thrilling virtual reality gaming event that promises to transport participants into an immersive jungle adventure. With cutting-edge technology and state-ofthe-art equipment, players will have the opportunity to experience the excitement and challenges of the Jumanji world like never before. Get ready to embark on an unforgettable gaming journey filled with mystery, dange and adrenaline-pumping action.



A tug-of-war was conducted by the ELAN, a match between 2nd year and 3rd year students. The competition was fierce as both teams displayed incredible strength and determination. The 2nd year students showcased their impressive teamwork and strategy while the 3rd year students demonstrated their sheer power and resilience. The event created a thrilling atmosphere with cheers and encouragement filling the air. In the end, after a grueling battle, the 3rd year students emerged victorious but not without acknowledging the impressive efforts of their opponents. The tug-of-war served as a reminder of the camaraderie and sportsmanship.



The Institute of Electrical and Electronic Engineers (IEEE) is a global association and organization of professionals working towards the development, implementation and maintenance of technology-centered products and services. On 1st Jan in 1963, AIEE (American Institute of Electrical Engineering) and IRE (Institute of Radio Engineering) merged to form the IEEE (Institute of Electrical and Electronics Engineering). It works solely towards innovating, educating and standardizing the electrical and electronic development industry. It is best known for its development of standards such as IEEE 802.11.

IEEE primarily innovates new electronics products and services, designs the standards that govern them and imparts, publishes and promotes industry knowledge through publications, conferences and partnering with academic institutes. The prime areas of focus for IEEE are Electrical, Electronics, Computer Engineering, Computer Science, information technology and most of their related disciplines. IEEE and its members inspire a global community to innovate for a better tomorrow through its more than 423,000 members in over 160 countries and its highly citied publications, conference, technology standards, professional and educational activities. IEEE is the trusted "voice" for engineering, computing and technology information around the globe.

IEEE 2K23



STREETECH : A LEADERSHIP & NETWORKING SYMPOSIUM FOR WOMEN IN TECHNOLOGY



IEEE WIE BS TEAM

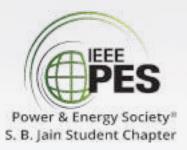


RETURNING MOTHERS CONFERENCE 2022



LIMITED EDITION | IEEE, 2022





The PES student branch chapter has been formed in Department of Electrical Engineering S. B. Jain Institute of Technology Management and Research, Nagpur on 3rd October 2017 under the guidance of Dr. Pankaj B Thote (Chapter advisor). PES SB Chapter has been awarded with high performing student branch chapter program awards in 2018, 2019 and 2020. In addition to that the PES SB Chapter received the best PES day activity award for PES chapter in 2021 from IEEE Bombay section. PES SB Chapter has organized various technical and non-technical activities including National Level Hackathon. One of the student members has received a travel grant to attend the 3rd IEEE PES student congress in São Bernardo do Campo, Brazil. The benefits are same for both the types of memberships. Some benefits are

- Keeping Technically Current
- Career Resources and Recognition
- Professional Networking
- Continuing Education
- Discounts



IEEE PES S.B. JAIN Student Chapter 2023

CORE TEAM



DR. PANKAJ B. THOTE Chapter Advisor



CHAITANYA FULPATIL Chapter Advisor



GAURAV MOHIJE Chapter Advisor



NIDHI SHINGADE Chapter Advisor



YOGESH HIRPURKAR Chair



JAY NIPANE Vice Chair



AKANKSHA GOTMARE Secretary



HITESHA MAHAJAN Joint Secretary



SUBHASH PATHAK Treasurer



ANUJ MANWATKAR Technical Head



MUSKAN TIWARI Membership Head



KAUSHIK GHADLE Webmaster



IEEE PES S.B. JAIN Student Chapter 2023

OPERATIONAL TEAM



HARSHAL MILMILE Volunteers Representative



ASHUTOSH SINGH WIE Representative



RUCHIKA NATIYE Technical Paper & Project Representative



CHIRAYU WANKAR External Affairs Representative



SHWETA KIRDAK SIGHT Representative



NISHITA WANKAR Humanitarian Activities Representative



NANDINI MANDAVKAR Volunteer



SANIKA TEKADE Volunteer



SIMRAN BHAGWAT Volunteer



KHUSHBU BHENDE Volunteer



A Women's Day Conference is put on by the PES S. B. Jain Student Chapter in association with the IEEE Computer Society and the ELAN. The guest and speaker were Nikhil Deep Gupta, Dr. Pankaj Thote, Prof. Chandrakant Rathore, Prof. Tony Jagyasi, Prof. Nighar Sheikh, Ms. Nidhi Shingade, Dr. Richa Khandelwal, Mr. Chaitanya Fulpatil, Ms. Ayesha Ahmed and Mr. Amol Patil.

The Women's Day Convocation celebrated the achievements and contributions of women in various fields. It served as a platform to recognize their accomplishments and empower them to continue breaking barriers and pursuing their dreams. This event brought together inspiring speakers, thought-provoking discussions, and networking opportunities to foster a sense of unity and support among women from all walks of life.



Successful execution on 2nd September 2023 by Mr. Piyush Tembhekar, Chair of IEEE S. B Jain Student Branch. Collaborating with the IEEE CS S. B. Jain Chapter and IEEE PES S. B. Jain Chapter focusing on "Code Flex 2023". At S.B. Jain Institute of Technology Management and Research, Nagpur.

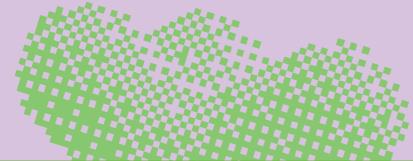
The CodeFlex competition made a meaningful impact by fostering creativity, technical excellence, and collaboration among participants. It provided a platform for students from diverse backgrounds to showcase their talents and problem-solving skills in web design. Esteemed judges recognized and inspired participants, while awards motivated them to strive for excellence. The event cultivated a sense of community and camaraderie, exemplifying the power of collaboration. It left a lasting impression, influencing participant's academic and professional journeys, promoting innovation and excellence in web development.



On PES Day, we organized a special celebration at the orphanage to bring joy and happiness to the children. The day was filled with various activities and games that not only entertained them but also promoted teamwork and camaraderie among the children. Additionally, we arranged for a delicious meal and distributed gifts to each child, ensuring that they felt loved on this special occasion. The event was organized by the PES S. B. Jain Student Chapter and conducted by Piyush Tembhekar (NSS Ambassador Leader), Yogesh Hirpurkar (PES SBC Ambassador), Isha Shah (SB Ambassador), Ashutosh Singh (Women in Engineering Ambassador) and other volunteers who took the initiative in PES Day 2023.



The seminar on BIM Engineer and AutoCAD Software will provide participants with a comprehensive understanding of the latest advancements in Building Information Modeling (BIM) and its integration with AutoCAD software. Through interactive sessions and practical demonstrations, attendees will learn how to effectively utilize these tools to enhance their design and construction processes. Additionally, experts in the field will share real-world examples and best practices enabling participants to apply their newfound knowledge in their respective industries.





The seminar on LinkedIn conducted by the Electrical & Mechanical Department aims to provide participants with a comprehensive understanding of how to effectively utilize this professional networking platform. Through interactive sessions and practical demonstrations, attendees will learn valuable techniques for optimizing their LinkedIn profiles, expanding their professional networks and leveraging the platform's features to enhance career opportunities.

Electric Vehicle

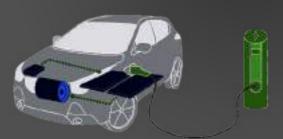
Electric vehicles (EVs) are transforming the automotive landscape by offering an eco-friendly alternative to traditional internal combustion engine vehicles. Fueled by advancements in battery technology, EVs use electric motors powered by rechargeable batteries, reducing reliance on fossil fuels. This shift not only curtails greenhouse gas emissions but also lowers operating costs. Governments worldwide are supporting the transition to EVs through incentives, subsidies and infrastructure development. Major automakers are investing heavily in EV research and development to meet the rising demand for sustainable transportation. As battery technology continues to improve, driving ranges extend and charging infrastructure expands, EVs are poised to become a mainstream choice, reshaping the automotive industry and contributing to a cleaner and more sustainable future.

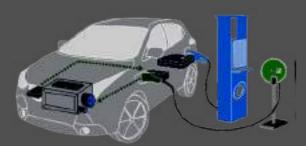
Electric Vehicle Types



Battery Electric Vehicle

Battery electric vehicles (commonly referred to as EVs or BEVs) don't use gasoline and instead have a large battery that powers one or more electric motors. Currently, allelectric vehicles have a driving range of 80 to more than 300 miles, with ranges increasing as new models are introduced. In addition to driving past the gas station, allelectric vehicles don't require much maintenance (such as oil changes, smog checks, spark plug changes and replacing a catalytic converter or various other parts that wear out and break down) compared to gas cars.







Plug-In Hybrid Electric Vehicle

Plug-in hybrid electric vehicles (commonly referred to as PHEVs) offer both gas-only and electric-only driving even at relatively high speeds. With smaller batteries than battery electrics, plug-in hybrids achieve an electric-only range of 20-55 miles, during which they produce no tailpipe emissions. When the car uses up its electric range, it switches to gas and drives just like a conventional car.

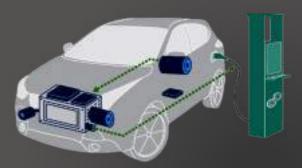
Electric Vehicle



Fuel Cell Electric Vehicle

Fuel cell electric vehicles (commonly referred to as FCEVs) run on electricity but do so differently than all-electric vehicles or plug-in hybrids. Its power system is composed of numerous cells combined into a stack that chemically combines hydrogen gas from the car's tank and oxygen from the air to produce electricity.

Fuel cells have a driving range of 300-400 miles on a single tank and can be refueled in about five minutes at hydrogen fueling stations which are becoming more common in California.



Future of Electrical Vehicles

Electrical engineering plays a pivotal role in shaping the future of electric vehicles (EVs). Engineers in this field contribute to the evolution of EV technology by optimizing power electronics, designing efficient battery systems and developing smart charging infrastructure. Their expertise extends to creating embedded systems and control algorithms for seamless vehicle operations, as well as integrating electrical components into traditional automotive platforms. As leaders in research and development, electrical engineers drive innovations that enhance the safety, sustainability and overall performance of EVs. The integration of electric propulsion with autonomous driving relies on their skills in developing sophisticated sensors and control systems. Additionally, electrical engineers contribute to the growth of the EV industry through entrepreneurship, fostering the creation of new solutions and startups dedicated to advancing electric mobility. In essence, the future of electric vehicles is intricately tied to the ongoing contributions and ingenuity of electrical engineering professionals.

AI TOOLS

Exploring the Power and Potential of AI Tools

WHAT ARE AI TOOLS

Al tools, commonly known as artificial intelligence tools encompass a diverse array of software applications and platforms designed to harness the power of artificial intelligence and machine learning techniques for targeted tasks or problem-solving. These tools effectively leverage sophisticated algorithms and data integration to automate, optimize or augment processes within diverse domains.

Ranging from streamlined applications with specialized functionalities to intricate platforms supporting advanced machine learning and comprehensive data analysis. Al tools play a pivotal role in transforming the landscape of technology and industry. By seamlessly integrating artificial intelligence into various workflows, tools enhance efficiency, decision-making and problem-solving capabilities across different sectors.

The versatility of AI tools extends to their capacity for handling intricate tasks from automating routine processes to addressing complex challenges through data-driven insights. These tools driven by continuous advancements in AI research and development, contribute to the evolution of innovative solutions that cater to the evolving needs of businesses and individuals.

In essence, AI tools represent a paradigm shift in how we approach problem-solving and decisionmaking, ushering in an era where intelligent automation and data-driven intelligence converge to unlock new possibilities across a spectrum of applications and industries.

AI AND ENGINEERING

Artificial Intelligence (AI) has revolutionized engineering by automating tasks, optimizing processes and introducing innovative solutions. In design, AI-driven generative design explores numerous options, while simulation models predict and analyze system performance. Predictive maintenance, enabled by AI, forecasts equipment failures and reducing downtime. AI enhances supply chain management, optimizing inventory and logistics for timely project completion. In smart manufacturing, Industry 4.0 integrates AI for efficient production and resource utilization. Robotics and autonomous systems benefit from AI, enabling tasks from robotic assembly lines to autonomous vehicles. AI-driven energy management promotes sustainability and cost reduction. Civil engineering embraces smart infrastructure, utilizing AI for monitoring traffic flow and structural health. Data analytics tools process large datasets, aiding decision-making in project only accelerates processes but also fosters continuous innovation, shaping the future of technological advancements and project efficiency.

Exploring the Power and Potential of AI Tools

AI TOOLS

ENGINEERING APPLICATIONS

Artificial Intelligence (AI) has become indispensable in various engineering applications, reshaping traditional methodologies, significantly advancing efficiency and innovation.

In design, AI's impact is evident in generative design processes. Engineers leverage AI algorithms to explore a vast design space, generating multiple iterations based on specified parameters. This accelerates the design phase, yields optimized and novel solutions.

Simulation and modeling benefit from AI's analytical capabilities. Machine learning algorithms enhance the accuracy of simulations, providing deeper insights into complex system behaviors and performance characteristics. This aids engineers in making informed decisions throughout the design and testing phases.

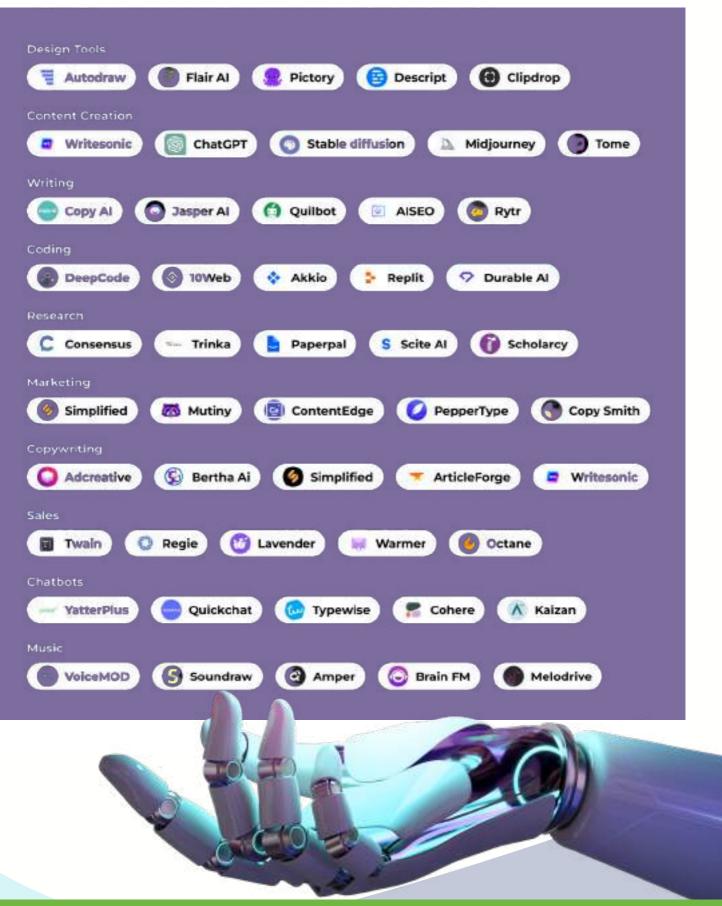
Predictive maintenance powered by AI has transformed equipment management. By analyzing historical data and real-time sensor information, AI predicts potential equipment failures allowing for proactive maintenance. This not only minimizes downtime but also extends the lifespan of critical machinery.

In manufacturing, Industry 4.0 leverages AI to create smart factories. AI-driven systems monitor and control manufacturing processes in real time, optimizing production, minimizing waste and enabling efficient communication between interconnected machines.

Energy management systems employ AI algorithms to optimize energy consumption, contributing to sustainable practices in engineering projects. Furthermore, AI facilitates structural health monitoring in civil engineering, supply chain optimization and data analytics for informed decision-making.

The integration of AI in engineering enhances traditional processes and sparks innovation, fostering a future where intelligent systems continue to drive advancements in various engineering domains.

AI TOOLS





"If you have ideas but don't act on them, you are imaginative but not creative."

"Unleashing boundless creativity, our students redefine the ordinary through extraordinary talents! Beyond textbooks and routine activities they paint a canvas of innovation, unveiling hidden patterns and pushing the boundaries of artistic expression. From abstract wonders to vivid sketches, their creativity knows no bounds. Passion and commitment fuel these experiences, creating a tapestry of heightened consciousness and pure ecstasy. Dive into the world of unparalleled imagination as our students showcase their most astonishing articles and drawings. Brace yourself for a journey where creativity knows no limits!"

"Embrace challenges and transform them into stepping stones,

Seize every opportunity and craft it into an exhilarating adventure, fueling your aspirations.

AhH.... the college years, a period of pure freedom interwoven with the occasional daunting lectures, challenging tutorials and demanding assignments. The labyrinthine library housing a treasure trove of knowledge and the labyrinth of wires in the laboratory connecting stars to deltas and deltas to stars can be overwhelming.

Yet, amidst the rush and hush, our love for college remains unwavering.

This is the sacred ground where we master the art of turning dreams into reality, honing the skills to navigate the intricate landscape of our ambitions."

-Jay Nipane (EE21015)





ऐकांतातल एकटेपण दूसर काही नसतं आपल्या आतल ओळखीच, माणूस सामोर येऊन बसत

बसणाऱ्याला बसु दया असु दयाव, नसू दयाव रडलास तर रड म्हणाव, हसलास तर हसु दयाव

कधी ऐकटयाने बसुन त्याचा ऐकांत ऐकाव सुधी आपल्या शांततेत त्याने ऐकांत रेखावा

ऐकांताच्या तीरावर एकच नाव लावावी नाच नसेल ज्याला त्याला नात्यांशी ती जावी

नाव नेतांनी शांत देहाला उठवू नये हात लावूनी ऐकाला एकटेपणा पेटवू नये ।

> -Purva Zade (EE22001)

> POEM



In the tapestry of time, where moments unfold, There lies a realm, a story yet untold. In the last one second, a universe to behold, A microcosm of life, a tale to be extolled.

In the echo of the ticking clock's refrain, A symphony of seconds, a fleeting gain. The last one second, like a transient rain, Leaves impressions, a mark, a subtle strain.

It's in that sliver of time, so fleeting, A heartbeat, a breath, a pulse repeating. In the last one second, life's pulse is meeting, With destiny's hand, in rhythmic greeting.

A dancer on the edge of the cosmic stage, In the last one second, turns life's page. A moment's glory, a fleeting sage, A silent whisper, a moment's engage.

In the final heartbeat, a lifetime resides, In the last one second, where destiny abides. A culmination of journeys, where the soul guides, A tapestry woven in life's turbulent tides.

So, cherish the last one second, embrace its grace, In the canvas of time, leave a trace. For in that moment, life finds its space, A heartbeat away from the eternal embrace.

> -Subhash Pathak... EE20011

Celebrating College Bonds

In the heart of learning, where friendships bloom, College life, IS a vibrant, spirited room. Lectures and laughter, a daily blend, In the corridors of knowledge, where stories transcend.

> Books and backpacks, daily attire, Late-night study sessions, fueled by desire. Coffee-fueled debates and exam-day stress, In the college hustle, we find success.

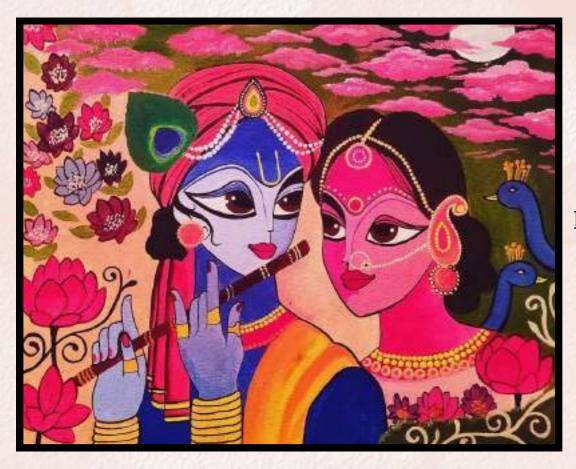
Professors with wisdom, a guiding light, Classroom discussions, an intellectual flight. From first-year nerves to senior pride, In the college journey, we all coincide.

Dorm room secrets shared with glee, Midnight snacks and camaraderie. Parties and projects, an endless stride, In the tapestry of college, memories reside.

Through exams and essays, we navigate, Friendships forged, destined by fate. In the college chapter, where bonds are rife, Here's to the camaraderie of our college life!

> -Nishita Wankar EE21031

Art of Students



Rupal Barapatre (EE22013)

Ashutosh Singh (EE21028)



Nishita Wankar (EE21031)





Purva Zade (EE22001)



Harshada Raut (EE21033)



Harsh Gurav (EE21030)







Saloni Bhange (EE21014)











Traditional day









TECHNOUTSAV



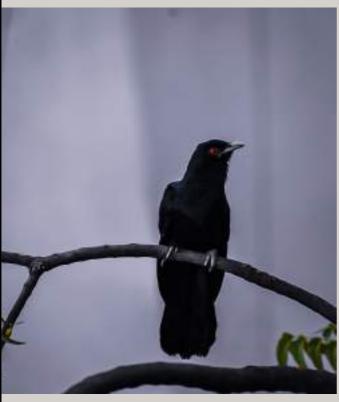




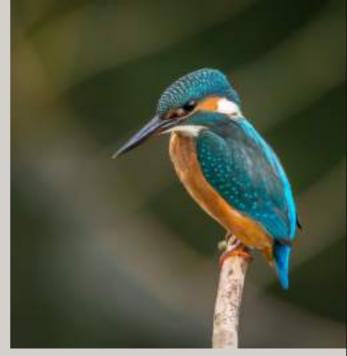


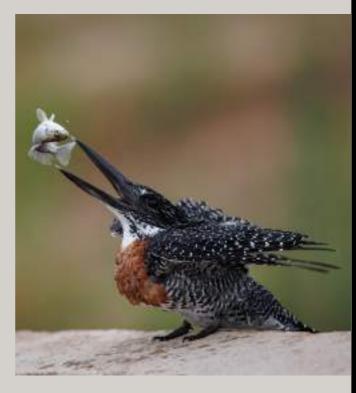












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