

JANUARY 2024

NIT JAMSHEDPUR



VIDYURANG

First Edition



ELECTRICAL
ENGINEERING SOCIETY



VIDYURANG



Vidyurang, the essence of electrical brilliance captured in a magazine. In its pages, the dynamic world of electrical engineering unfolds with vibrant insights. A fusion of "Vidyut" (electricity) and "Rang" (color), it's not just a publication; it's a vivid tapestry of knowledge, where the diverse hues of electrical expertise illuminate the path forward. Join us in this electrifying journey where ideas spark, circuits connect, and the brilliance of collective intellect shines. Vidyurang — where the currents of wisdom flow in vibrant colors.

This magazine is not just a source of information; it's a platform for discourse, fostering a community of passionate individuals who share a common love for the intricacies of electrical science. Vidyurang encapsulates the essence of innovation, where ideas spark, circuits connect, and the brilliance of collective intellect shines.

Join us in the exploration of Vidyurang, where the currents of wisdom flow, and the colors of electrical excellence paint a vivid picture of the ever-evolving field. Illuminate your understanding, spark your curiosity, and be part of the electrifying journey that is Vidyurang.



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TEAM VIDYURANG

2022-2023



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MESSAGE FROM DIRECTOR

I am delighted to express my profound admiration for the remarkable strides and accomplishments of our Electrical Engineering Department at NIT Jamshedpur. The department's journey in recent years is a testament to its unwavering commitment to excellence and continuous improvement.

In a significant leap forward, the department has expanded its infrastructure, creating cutting-edge laboratories that stand as beacons of technological advancement. The inclusion of state-of-the-art equipment within these labs is a testament to our dedication to providing students with an immersive and practical learning experience, ensuring they are well-prepared for the challenges of the evolving field of electrical engineering. I am also pleased to highlight the integration of the new education policy, which has further enriched the academic landscape of our institute. This policy aligns with contemporary pedagogical approaches, fostering creativity, critical thinking, and holistic development among our students. These initiatives not only augment theoretical knowledge but also expose our students to the latest industry trends and advancements, fostering a culture of innovation and intellectual curiosity.

The past year has witnessed a groundbreaking initiative allowing students to pursue both major and minor degrees in diverse fields and has also welcomed accomplished educators from diverse backgrounds. This visionary approach not only reflects the department's adaptability to the dynamic needs of the industry but also empowers our students with a unique and versatile skill set, setting them on a trajectory for success.

As we celebrate the achievements of the Electrical Engineering Department, I extend my best wishes for the success of their upcoming magazine. I extend my heartfelt congratulations to the entire NIT Jamshedpur community and look forward to witnessing the continued success and growth of our Electrical Engineering Department.

PROF. GOUTAM SUTRADHAR

DIRECTOR
NIT JAMSHEDPUR

MESSAGE FROM DEAN STUDENT'S WELFARE



The Electrical Engineering Department of NIT Jamshedpur has been a vital part of our institution, and I am proud to say that it has been a great success. Their commitment to excellence has been evident in the quality of your research, teaching, and service. You have made significant contributions to the field of electrical engineering, and your work has been recognized by your peers and colleagues.

PRAVARDHAN'23 was a great success and provided an excellent platform for the students to showcase their skills and creativity. It was a great learning experience for everyone involved and helped to foster a sense of community among the students, seniors and faculty. I was impressed by the level of creativity and technical expertise displayed by the students. I appreciated the efforts of the students and congratulated them on their success. I particularly enjoyed the hands-on demonstrations of cutting-edge technologies, gaining insights into the students' technical prowess.

The diverse range of activities, from technical workshops to competitive events, not only fostered a sense of healthy competition but also encouraged interdisciplinary interactions. The collaboration between students, faculty, and industry professionals showcased the true potential of our academic ecosystem. It is heartening to witness the impact of our educational endeavors in shaping individuals who are not just academically adept but also socially responsible.

In conclusion, I extend my gratitude to all of you for being part of this celebration. Your enthusiasm and support make events like these a cornerstone of our academic community. I look forward to witnessing the continued success and growth of our Electrical Engineering Society and the bright future it heralds for all of us.

DR. PRAHLAD PRASAD

DEAN STUDENT'S WELFARE
NIT JAMSHEDPUR



MESSAGE FROM HEAD OF DEPARTMENT

I trust this message finds you well and brimming with enthusiasm for the exciting journey ahead. As the Head of the Electrical Engineering Department, I am honored to lead a talented individuals dedicated to the advancement and enrichment of our shared passion for electrical engineering.

Our primary objective is to mold our students into invaluable assets for the nation and exemplary global citizens. We aspire to instill in them not only technological prowess but also a sense of nobility and ethical responsibility. Recognizing the importance of producing graduates with versatile skills, we are dedicated to nurturing technological versatility among our students. With a focus on transforming every individual into self-reliant and independent citizens, our department offers a dynamic blend of scholastic and co-scholastic activities.

I am delighted to commend the unwavering efforts of the Electrical Engineering Society at NIT Jamshedpur for their substantial contributions to the department's development. Their organized events and enlightening seminars offer our students invaluable opportunities to gain hands-on experience, develop essential skills, and exhibit their talents. Throughout the upcoming academic year, our focus remains steadfast on organizing impactful events, informative workshops, and engaging seminars that go beyond the conventional curriculum. These initiatives are crafted to provide you, our esteemed members, with opportunities to delve into real-world applications, enhance your skill sets, and broaden your perspectives within the realm of electrical engineering.

I extend my heartfelt appreciation to the entire team of Electrical Engineering Society for their concise encapsulation of their annual activities. My best wishes go to the college and the electrical engineering department in their continuous efforts to cultivate a vibrant and inclusive learning environment, fostering a culture of excellence. May these endeavors be guided by wisdom and the Almighty's benevolence.

PROF. UK SINHA

HOD, ELECTRICAL ENGINEERING DEPT.
NIT JAMSHEDPUR

MESSAGE FROM PROFESSOR IN CHARGE



As the Professor in Charge of The Electrical Engineering Society, I am glad to mention that the Society (EES) guided by President Aditya Raj and his capable team, stands as a fundamental pillar within our department, significantly enriching both the educational experience and overall academic progression of our students.

Central to the EES's ethos is its commitment to seamlessly integrating academic theory with practical application, an essential element in contemporary engineering education. Through a variety of initiatives, including practical workshops and collaborative projects, the society empowers students to translate theoretical knowledge into real-world applications. This not only deepens their understanding but also arms them with vital skills for their future professional endeavors.

A highlight of the EES's calendar this year was the "Pravardhan" event, a symbol of student-led innovation and cooperative effort. This occasion showcased our students' creativity and collaborative spirit, contributing significantly to their sense of community and professional development. Furthermore, the society plays a vital role in enriching the vibrancy and dynamism of our department. By organizing diverse events, seminars, and workshops, the EES ensures that our academic curriculum is supplemented with enriching and inspiring experiences.

In essence, the Electrical Engineering Society, under the exceptional leadership of President Aditya Raj, has become an integral component of our department. Its contribution to the academic and personal development of our students is profound, emphasizing a practical approach to learning that extends its influence well beyond the traditional classroom setting.

DR. RAVI BHUSHAN

PROFESSOR IN CHARGE
ELECTRICAL ENGINEERING SOCIETY



MESSAGE FROM CO-PROFESSOR IN CHARGE

As the co-Professor in Charge, I share the enthusiasm expressed by the Electrical Engineering Society (EES) regarding its pivotal role within our department. Witnessing the dedication of President Aditya Raj and the entire team in fostering a dynamic learning environment is truly inspiring.

Collaborating with the EES, I've observed a commendable synergy between academic theory and practical application. This holistic approach not only enhances students' understanding but also equips them with indispensable skills for their future endeavors.

The successful execution of the 'Pravardhan' event is a testament to the innovative spirit and collaborative efforts of our students. As a co-facilitator, I am confident that the society will continue to be a driving force in shaping the academic and professional landscape for our students.

Furthermore, the diverse initiatives undertaken by the Electrical Engineering Society contribute not only to the individual growth of our students but also to the overall vibrancy of our academic community. From organizing insightful seminars to hands-on workshops, the society consistently supplements our curriculum, ensuring a well-rounded educational experience.

The EES's commitment to fostering a vibrant community, providing networking opportunities, and enhancing problem-solving skills is truly commendable. I look forward to supporting and witnessing the continued success and growth of the Electrical Engineering Society.

DR. ARVIND KUMAR PRAJAPATI

CO-PROFESSOR IN CHARGE
ELECTRICAL ENGINEERING SOCIETY

MESSAGE FROM PRESIDENT



Reflecting on my tenure as President of the Electrical Engineering Society fills me with profound gratitude. Leading this esteemed society has been an incredible journey, and I'm sincerely thankful to each member for entrusting me with this honor.

Our collective achievements, whether monumental or incremental, testify to the exceptional individuals within the Electrical Engineering Society. Each of you has played a pivotal role in turning challenges into triumphs, fostering innovation and collaboration that sets us apart.

My heartfelt appreciation extends to the Director, the Deans, the Head of the Department, and all professors for their invaluable guidance. Their mentorship has been a privilege and a cornerstone of our successes.

This experience of leading our team has been extraordinary. The shared vision, dedication, and camaraderie have made this journey special. As we present this magazine, I look to the future with optimism and hope for the continued success of the Electrical Engineering Society.

To the upcoming leaders and the entire team, I offer my heartfelt thanks and best wishes. Your potential knows no bounds, and I have complete confidence that you will elevate the EES to even greater heights.

I extend my deepest gratitude for the opportunity to serve as your President. Here's to the ongoing success and prosperity of the Electrical Engineering Society!

ADITYA RAJ

PRESIDENT
ELECTRICAL ENGINEERING SOCIETY



DIVYANSHU DUBEY MANAGER

Greetings, readers

We take great pleasure in introducing to you VIDYURANG's first edition.

The magazine has been a product of our team's creativity, dedication, and talent. I hope it is a pleasure for all the readers. From my very first year as a member of the content team to my current position as manager, my journey in the society has been nothing short of delightful; it has gone through every possible crossroad I could have asked for. From

attending sessions after class to organizing those sessions, it has been a journey full of learning.

EES as a society has a lot to offer and quite high benchmarks to maintain. I hope that the next flag bearers continue the legacy and raise the standards even higher. Best wishes to all.

SHRUTI MISHRA GENERAL SECRETARY

In the symphony of gratitude, a heartfelt nod to mentors, companions, and the EES family – your influence crafted our victories. Steering the ship as the General Secretary, each chord of collaboration played a melody of success. As this magazine unfolds, envision a tomorrow brushed with optimism for the Electrical Engineering Society. To my successors, raise your glasses to endless potential – you're destined for greatness. Cheers to the surge of possibilities within the EES current!



KUSUM PRIYADARSHINI

FINANCE HEAD



In the realm of numbers and financial endeavors, our journey as the Electrical Engineering Society has been nothing short of extraordinary. I extend my deepest appreciation to the professors, seniors, and peers whose guidance has been instrumental in our financial triumphs.

Being the Finance Head of this esteemed society has been a privilege, marked by a shared vision, relentless dedication, and the epitome of teamwork.

The future of the Electrical Engineering Society shines bright, painted with optimism and driven by our collective financial acumen.

This role has taught me volumes, and we are proud of the financial strides we've taken together.

SUTEJ SHARMA

EVENT MANAGEMENT HEAD

A deep bow of thanks to professors, seniors and my peers – your guidance has shaped our triumphs. Being with the team was a privilege, fueled by shared vision, dedication, and the best kind of teamwork. As we unveil this magazine, optimism paints the future for the Electrical Engineering Society. To the next generation, my cheers and a "you got this!" – your potential is boundless. This journey, as head of Event Management, taught me volumes. Here's to the EES's ever-rising current!





RAHUL PANDEY

PR & SPONSORSHIP HEAD

Warm Greetings

As a freshman when we enter in our college we are full of enthusiasm to explore all that the college has to offer. However association with one's own branch is something which keeps the enthusiasm at peak throughout the college life. The zest to put up the best art and talent of the branch forward and to enhance it every year becomes the driving force behind the running of the branch society. While there are divisions to improve the working of a society we should always remember that a proper coordination between all is a must for bringing out

the best. When the team grows then we get our best chance to engage more and more organisations to sponsor us and to put in their invaluable efforts. I wish everyone all the best for the future events and also wish that Pravardhan keeps growing throughout the years.

SUBHADIP DAS

WEB HEAD

Greetings to our dynamic and innovative team! As we navigate the digital landscape to enhance the reach and impact of our beloved Vidyurang Electrical Engineering Society Magazine, I am excited about the transformative journey we're on.

As Web Head, I encourage each of you to embrace technology as a tool for connection and collaboration. Let's amplify our online footprint, ensuring that our digital platforms serve as a dynamic hub for the latest advancements, insightful articles, and vibrant discussions.

Together, let's illuminate the digital space with the brilliance of electrical engineering expertise. Your contributions make a significant impact, and I look forward to seeing our web presence evolve and flourish.





HARSH GUPTA

CREATIVE HEAD

As my journey in the Electrical Engineering society comes to an end, I want to express my gratitude for the incredible four years we've shared. Being a member of this society has been more than just an extracurricular activity; it has been a defining aspect of my college experience.

Being entrusted with the role of Creative Head has been an honor and a joy. To my juniors, cherish every moment and embrace the challenges – they're the building blocks of your success.

Thank you all for the remarkable experience—we carry the society's spirit into our future endeavors. I hope the Electrical Engineering society continues to grow significantly and shine with success in the future.

JAY SINGH

MEMBER

In the symphony of circuits, our paths converged, creating harmonies of knowledge and camaraderie. As I pen down my final note for this magazine, I am filled with a profound sense of gratitude and reflection. It's with a mix of nostalgia and appreciation that I bid farewell to the Electrical Engineering Society, marking the end of a significant chapter in my academic and personal journey.

As Marcel Proust said, "The real voyage of discovery consists not in seeking new landscapes but in having new eyes."

My year with the Electrical Engineering Society has been this transformative journey of acquiring new eyes, seeing challenges as opportunities, and learning from every twist.

The wealth of knowledge I've acquired is a testament to the commitment to excellence that defines our society. As I step into new horizons, I carry the spirit of the Electrical Engineering Society with me, grateful for the experiences that have shaped me. It's been an honor to be part of this symphony.



MESSAGE FROM EDITORIAL BOARD

Dear Readers,

As we embark on another exciting journey through the realms of knowledge and discovery, we are thrilled to present to you the latest edition of VIDYURANG Magazine. As the editorial board, we are thrilled to bring you magazine filled with insightful messages, events, compelling stories.

At VIDYURANG, our mission is to ignite curiosity and inspire learning among our readers. Through the diverse range of topics, we aim to provide a platform for exploration and discovery across various fields of interest.

We would like to express our gratitude to our dedicated team of writers, photographers, and contributors whose hard work and creativity make this magazine possible. Their passion for sharing knowledge and stories enriches the pages of VIDYURANG and adds depth to our publication.

To our readers, thank you for your continued support and enthusiasm. We hope you enjoy this and find inspiration within its pages.

As we turn the pages of VIDYURANG, let us embark on a quest for knowledge, enlightenment, and understanding. Together, let us explore the boundless realms of human intellect and imagination.

Happy reading!

Warm regards,
The Editorial Board
VIDYURANG

ABOUT US

ABOUT EES

Electrical Engineering Society is the official departmental society of Electrical Engineering, National Institute of Technology, Jamshedpur. Its sole purpose is to help students develop holistically, whether in academics or in dealing with real-life technological scenarios. It has always strived to provide students with the best possible real-world experience to help them grow in all aspects of life. With the ability to adapt its programs to meet various needs, the Department of Electrical Engineering is committed to meet the present needs of the industry. One of the department's primary areas of focus in its work is the integration of modern technology into a variety of fields.

ABOUT PRAVARDHAN

"PRAVARDHAN," derived from the Hindi word for "amplification," is not just a name but a profound mission. As the official Technical fest of EES, we are dedicated to enriching the technical skills of our students, fostering a fertile ground for innovation. PRAVARDHAN is the launchpad where students can transform their ideas into reality through meticulously designed events that stimulate and nurture their minds. Our vision is to pioneer the way into the modern technology landscape, equipping participants with the knowledge and skills to become visionaries for the future. Over two exhilarating days, PRAVARDHAN unveils a tapestry of creative and thought-provoking events from the captivating worlds of electrical engineering, corporations, and industry, offering a holistic exploration of the technical landscape. With activities spanning core electrical engineering, software, and analytics, we join forces in a collective endeavor to amplify our potential and illuminate the path to a brighter, more dynamic future.

OUR EVENTS

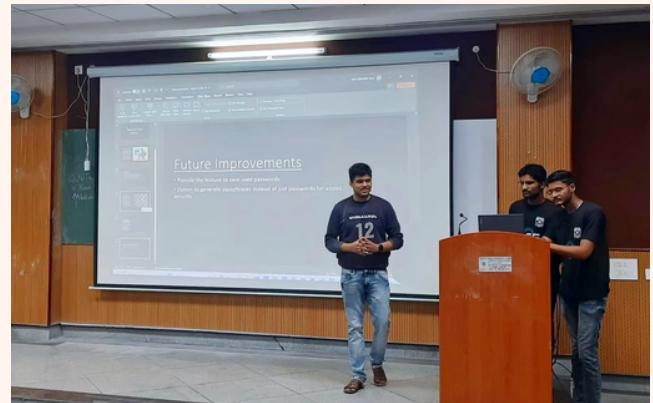
1. MATLINK

SOLVING INTRICATE ELECTRICAL ENGINEERING CHALLENGES NECESSITATES THE APPLICATION OF MATHEMATICAL AND ANALYTICAL TOOLS, A SKILL SET PUT TO THE TEST IN THIS EVENT THAT DELVES INTO THE CAPTIVATING REALM OF MATLAB.



2. PROGEM

IT IS CRUCIAL TO CONTROL AND REALIZE THE WORKING OF INDUSTRIAL EQUIPMENT. THIS EVENT DEALS WITH PLC(PROGRAMMABLE LOGIC CONTROLLER).



4. I-MATTER

I-MATTER OFFERS STUDENTS A UNIQUE INDUSTRIAL VISIT, PROVIDING FIRSTHAND EXPOSURE TO REAL-WORLD TECHNOLOGY OPERATIONS, AND BRIDGING THE GAP BETWEEN THEORY AND PRACTICE.

5. ADHYAYAN

THIS EVENT INVOLVES A CASE-STUDY IN WHICH ALL MAJOR DECISIONS RELATED TO THE ORGANISATION ARE TAKEN. THIS EVENT WILL BRING IN GREAT WHITE-COLLAR EXPERIENCE.



7. PAIR-IN-THESIS

CODES ARE THE BRICKS ON WHICH MAGNIFICENT CASTLES CAN BE BUILT. THIS EVENT REVOLVES AROUND THE INTERESTING WORLD OF COMPETITIVE PROGRAMMING.



6. ELECTRO-SPECTION

ELECTRICAL CIRCUITS FORM THE FOUNDATION OF POWER GENERATION, AND IN THIS EVENT, PARTICIPANTS DESIGN AND CONSTRUCT ELECTRICAL AND ELECTRONIC CIRCUITS SWIFTLY AND EFFICIENTLY ON A BREADBOARD.



8. ELECTRO-HACK

THIS EVENT PROVIDES STUDENTS A PLATFORM TO SOLVE SOME PROBLEMS WE FACE IN OUR DAILY LIVES, AND THUS INculcate A CULTURE OF PRODUCT INNOVATION AND PROBLEM SOLVING.

9. ANALYTICA

ANALYTICA IS DESIGNED TO EVALUATE PARTICIPANTS' ANALYTICAL AND PROBLEM-SOLVING SKILLS WHILE INTRODUCING THEM TO THE TRENDING DOMAINS OF DATA ANALYTICS AND DATA SCIENCE.



10. ABHYAS

PLACEMENTS ARE OF UTMOST IMPORTANCE. THIS EVENT TESTS YOUR OVERALL COMMUNICATION, TECHNICAL, AND APTITUDE SKILLS WITH A SUBDUED EXPERIENCE OF CAMPUS PLACEMENT.

11. QRIOUS

A BRAIN-TEASING CHALLENGE, QRIOUS IS A QUIZ-BASED EVENT REVOLVING AROUND THE DYNAMIC UNIVERSE OF ELECTRICAL ENGINEERING AND RELATED SCIENCES, STIMULATING INTELLECTUAL CURIOSITY.



PRAVARDHAN

WORKSHOP

MATLAB



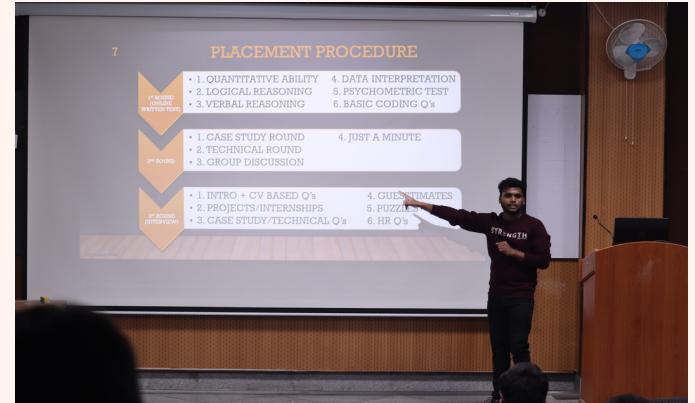
The Electrical Engineering Society (EES) at NIT Jamshedpur organized a comprehensive Matlab workshop series, meticulously crafted for 2nd and 3rd year. These workshops, centered around Matlab's critical role in electrical engineering, were uniquely structured in fostering personal growth and self-learning. Senior's mentorship played a pivotal role, not only in delivering the content but

also in ensuring that each participant grasped the concepts thoroughly.

The success of the students at the subsequent Matlab event at Pravardhan '23 was a clear testament to the efficacy of these workshops. EES's initiative in organizing these sessions highlighted its commitment to nurturing the future engineers. The workshops' format, significantly contributed to the students' technical and personal development, preparing them for the challenges of the evolving tech landscape.

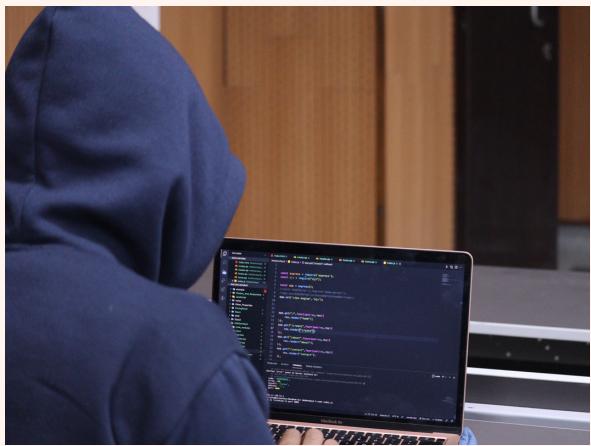
ANALYTICA

In a quest to bridge the gap between traditional engineering practices and the cutting-edge world of data, the Electrical Engineering Society orchestrated a groundbreaking workshop titled "Analytica." This dynamic event was meticulously designed to evaluate and elevate participants' analytical and problem-solving prowess while immersing them in the trending domains of data analytics and data science.



The workshop, held amidst an atmosphere of curiosity and enthusiasm, provided a unique opportunity for electrical engineering enthusiasts to venture into the expansive realms of data analytics. Participants were guided through a series of engaging sessions crafted to sharpen their analytical skills, fostering a deeper understanding of how data-driven insights can revolutionize the field. The workshop not only served as a knowledge-sharing platform but also as a catalyst for collaboration among like-minded individuals.

WEB DEVELOPMENT



Pravardhan and the Electrical Engineering Society orchestrated a dynamic two-day web development workshop, seamlessly integrating HTML, CSS, and JavaScript. Departing from rigidity, the collaborative approach emphasized the synergy shaping the digital landscape. Starting with HTML, participants mastered content structuring and multimedia embedding. Transitioning to CSS, they honed styling and layout skills, enhancing the visual appeal and responsiveness of their web creations. The latter part explored Java-

Script, unveiling its magic in manipulating the Document Object Model and fostering user interactivity. Interactive sessions served as vibrant hubs for questions, fostering a collaborative learning environment. As the workshop concluded, participants left with technical proficiency and a deeper appreciation for the harmonious interplay between HTML, CSS, and JavaScript in web development. The Electrical Engineering Society, fueled by positive feedback, expressed dedication to future initiatives, ensuring students receive a rich educational experience in the ever-evolving field of web development.

COMPETITIVE PROGRAMMING

The C++ workshop hosted by the Electrical Engineering Society proved to be an enlightening experience for both novices and seasoned programmers alike. The event provided a dynamic platform for participants to delve into the intricacies of C++ programming language. Attendees engaged in hands-on coding sessions, gaining practical insights into object-oriented programming and mastering essential concepts. Facilitated by experienced seniors in the field, the workshop fostered a collaborative learning environment encouraging networking and knowledge exchange among enthusiasts. As technology continues to evolve, the Electrical Engineering Society remains committed to equipping its members with the skills needed to thrive in an ever-changing landscape, solidifying its role as a catalyst for innovation within our academic community.



DIGITAL ELECTRONICS



Embarking on a quest to unravel the intricacies of digital electronics, the Electrical Engineering Society orchestrated a transformative workshop in collaboration with Pravardhan. Participants were guided through the foundational elements of digital circuits, exploring logic gates, k-maps, and switches. Unlike traditional workshops, emphasis was placed on hands-on activities, allowing attendees to actively apply theoretical knowledge to practical scenarios. The showcase of participant projects revealed a spectrum of creativity, ranging from basic circuits to advanced applications.

The event served as a stage for collaboration and networking, where students and enthusiasts converged to exchange ideas. Seniors provided valuable insights into current trends, enriching the learning experience. Attendee feedback echoed the success of the well-structured workshop, praising its engaging sessions and interactive approach. Beyond a singular event, this workshop marked the beginning of an ongoing journey, with the Electrical Engineering Society planning future initiatives to keep participants abreast of the dynamic advancements in digital electronics. In essence, the workshop was not just an educational endeavour but a catalyst for innovation and collaboration within the ever-evolving landscape of electrical engineering.

PRAVARDHAN

ALUMNI JAM a gateway to professional insights

The Electrical Engineering Society's (EES) Alumni Jam is a hallmark event that has been regularly connecting students with distinguished alumni in the field of electrical engineering. Held online, these sessions are not just interactive but also career-oriented, focusing on the dynamic and futuristic aspects of the market. These regular gatherings offer students a unique opportunity to gain valuable insights from experienced professionals who have navigated the same academic paths and are now shaping the future of the industry.

RAHUL DARAAD : overcoming challenges, leading innovation



In a recent session, EES hosted Mr. Rahul Daraad, a 2003 graduate and the current Principal Engineer at Cadence in Boston. His journey, punctuated by challenges including two major recessions in 2001 and 2008, is a testament to resilience and adaptability. Mr. Daraad's experiences provided students with a real-world perspective on navigating difficult economic times while remaining innovative and forward-thinking. His discussion covered not only his personal career trajectory but also emerging trends in electrical engineering and strategies for preparing for the evolving market.

VINAYAK KUMAR : from college to career, a success story



Another insightful session featured Mr. Vinayak K., an Associate Software Engineer at Maersk in Bengaluru and a recent graduate (2018-2022) of NIT Jamshedpur. As a former president of EES and an active member of several student organizations, his journey from campus to corporate life was both inspiring and instructional. He shared his experiences and insights on making the transition from academia to industry, emphasizing the importance of networking and adaptability. His advice on placements and college challenges provided practical guidance for students poised to enter the professional world.



ABOUT IEEE

IEEE is the world's largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. When you join IEEE, you join a community of over 425,000 technology and engineering professionals united by a common desire to continuously learn, interact, collaborate, and innovate.

The IEEE student branch was established at NIT Jamshedpur on the auspicious occasion of Teacher's day i.e. 5th September 2023.

Since then IEEE has been involved in establishing various branch chapters which caters to students in electronics, power systems and power electronics.

The following societies have been established:

IEEE EDS (Electron devices society) - It caters to the areas of VLSI, electronic design automation and nanotechnology.

IEEE PES (Power and energy society) - It caters to the trends in renewable energy integration and deals with transmission, distribution, and storage of electrical energy.

Apart from the above chapters the department is currently focusing to incorporate IEEE Aerospace and electronics systems society.

Events

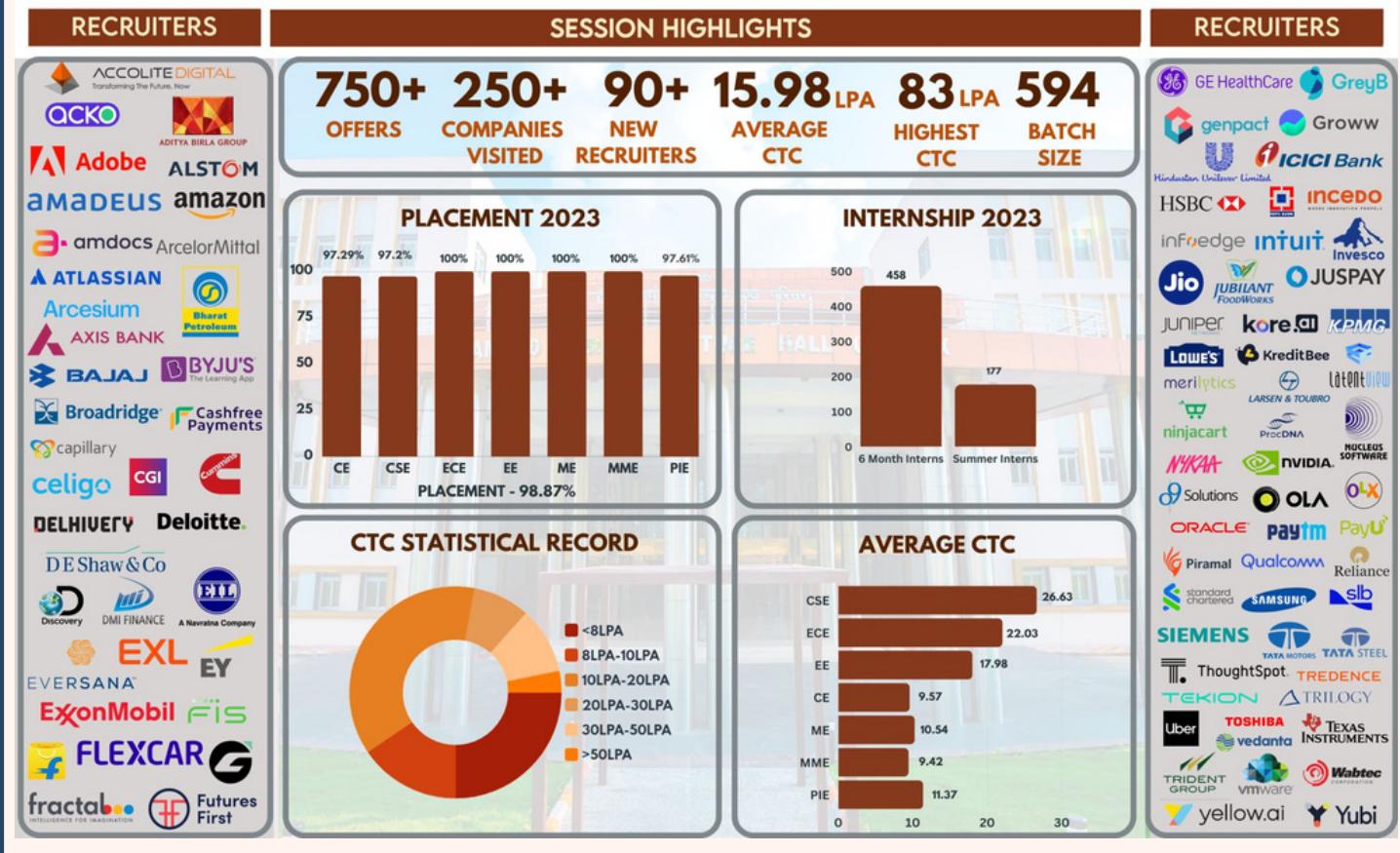
- The IEEE Student branch conducted a 40 day society awareness drive from Late October 2023 to December 2023. In this drive, each day a branch chapter was introduced to the community members, making them aware of total 38 technical branch chapters that IEEE has.
- The electron devices society has been frequently conducting workshops and awareness programs on the emerging field of VLSI and microelectronics.
- The IEEE Student branch runs a whatsapp community which encompasses all the branch chapters, the systems council (council body to manage ieee student branch), a ieee webteam and a general discussion group. The group is a facilitator of knowledge transfer between professors and students.

PLACEMENT STATISTICS

(2022-2023)

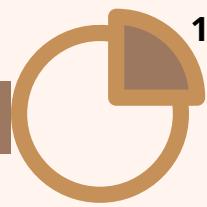
NATIONAL INSTITUTE OF TECHNOLOGY, JAMSHEDPUR

AN OVERVIEW OF THE PLACEMENT SESSION 2022-23



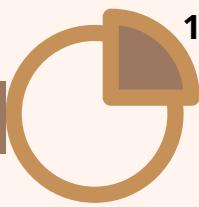
ELECTRICAL ENGINEERING STATS

SIX MONTH INTERNSHIPS



14.5%

SUMMER INTERNSHIPS



13.5%

AVERAGE CTC - 17.98 LPA

HIGHEST CTC - 83.4 LPA

GALLERY









TEAM EES 2022-2023



ADITYA RAJ
PRESIDENT



SHRUTI MISHRA
GENERAL SECRETARY



SAMAR RAGHUVANSHI
VICE - PRESIDENT



DIYANSHU DUBEY
MANAGER



RAHUL PANDEY
PR & SPONSORSHIP HEAD



SUTEJ SHARMA
EVENT MANAGEMENT HEAD



KUSUM PRIYADARSHINI
FINANCE HEAD



SUBHADIP DAS
WEB HEAD



HARSH GUPTA
CREATIVE HEAD



JAY SINGH
MEMBER



SHRUTI PRIYA
JOINT SECRETARY



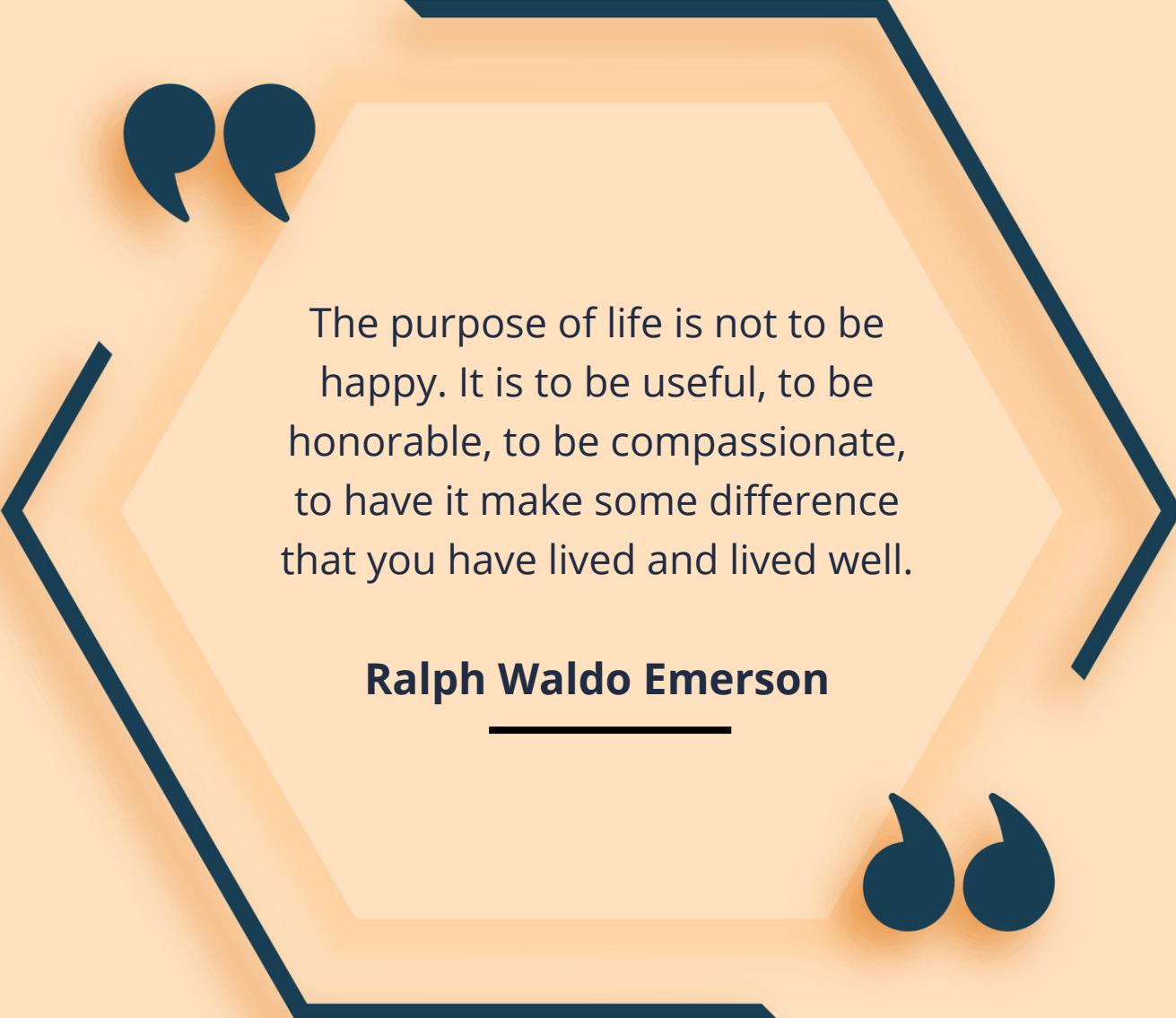
SHUBHAM KUMAR
JOINT SECRETARY



PRIYANSHU RAJ
JOINT CORPORATE HEAD



SHWET SAGR
JOINT CORPORATE HEAD



The purpose of life is not to be happy. It is to be useful, to be honorable, to be compassionate, to have it make some difference that you have lived and lived well.

Ralph Waldo Emerson
