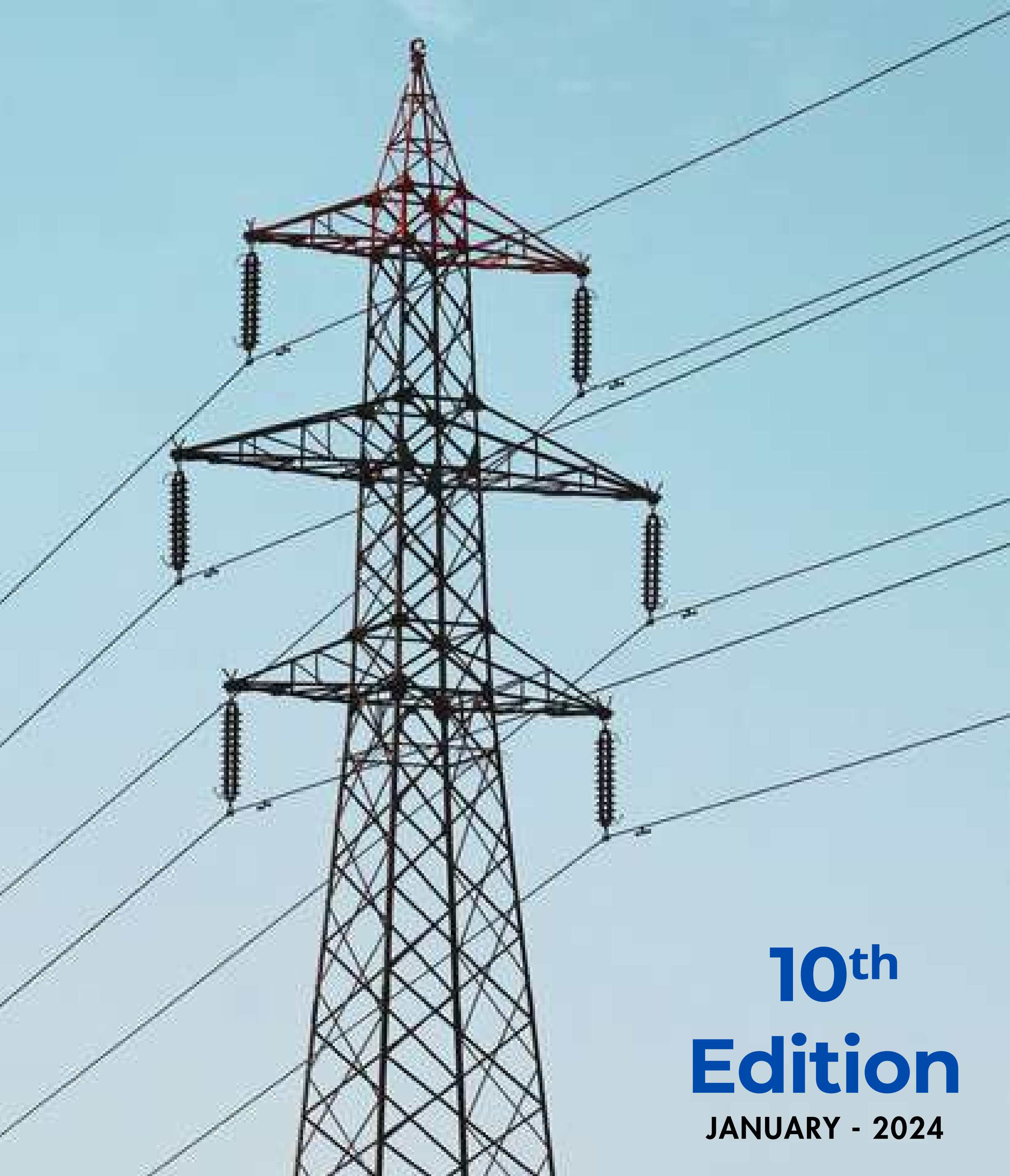




# ELECTRI.CT

“ Where Ideas Flow Without Resistance ”



**10<sup>th</sup>**  
**Edition**  
JANUARY - 2024

# FABULOUS FACTS

- The world's total electricity consumption is measured in terawatt-hours (TWh) annually, with a significant portion used for residential and industrial purposes.



- On average, the Earth is struck by lightning about 100 times per second, totaling over 8 million lightning strikes per day

- Electric eels (Fish) can generate electric shocks of up to 600 volts to navigate and locate prey.



- One bolt of lightning has enough electricity to supply 200000 average-sized homes.

- Diode lasers are widely used in cosmetic procedures, such as hair removal. The laser emits light that is absorbed by the pigment in hair follicles, destroying them.



# STINEZON

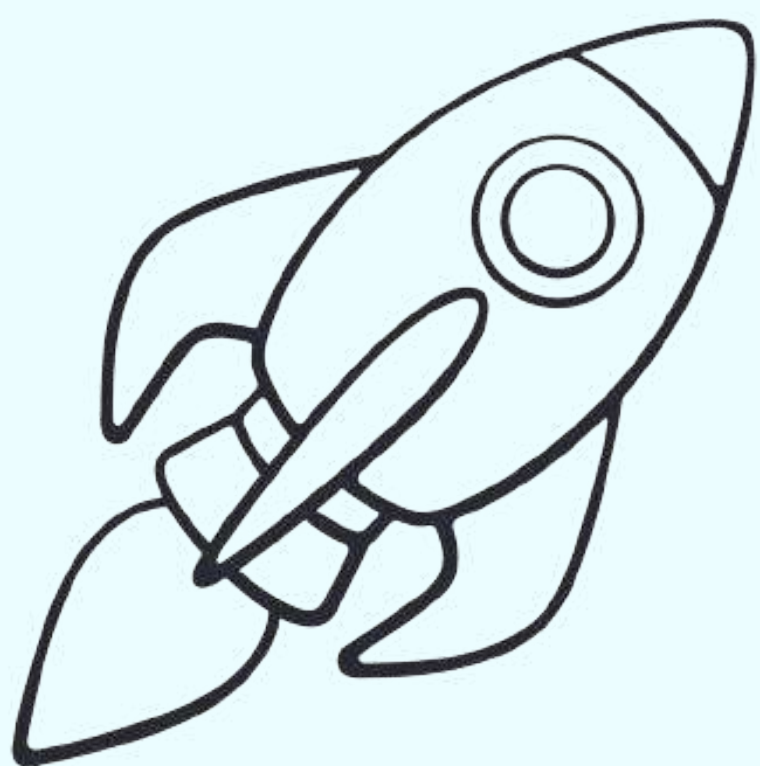
- **Vision & Mission**
- **Pioneers Of Department**
- **Principal's Desk**
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- **Builders Of Electri.CT**



# Vision



- To foster learning environment for electrical engineering education having high technical skills, ethical values and overall global competence



# Mission

- Better employability, startups and entrepreneurship
- A professional career with essential technical and managerial skills
- Collaboration with industry through Research & Innovation
- Other avenues for higher education
- Adapting to change in technology and apply the same for the benefit of society at large

# PIONEERS OF DEPARTMENT



**Prof. G.P. Upadhyay**  
Tenure : Jan 1997 - Feb 2001



**Prof. H.N. Prajapati**  
Tenure : March 2001 - May 2006



**Prof. V.B. Babaria**  
Tenure : May 2006 - Jan 2012



**Prof. B.A. Shah**  
Tenure : Feb 2012 - Jun 2012



**Prof. H.R. Dave**  
Tenure : Jun 2012 - Mar 2014



**Dr. J.R. Iyer**  
Tenure : April 2014 - May 2015



**Dr. B.N. Suthar**  
Tenure : May 2015 - Dec 2015



**Dr. M.C. Chudasama**  
Tenure : Jan 2016 - Nov 2022



**Dr. K.P. Badgujar**  
Tenure : Dec 2022 - Onwards



# PRINCIPAL'S DESK



**Empowering Engineers,  
Illuminating Futures**

Dear Readers,

It is a pleasure to address the family members of L. D. College of Engineering on Republic Day. I would like to express gratitude to every one of you for your constant support, love, and concern towards the college which enables and encourages us to strive hard to carry forward the mission of spreading value-based knowledge to one and all.

The Electrical Engineering Department, as a team working together, strongly promotes academic achievement among our students. I congratulate the department for coming up with the 10th issue of the magazine ELECTRI.CT and wish them success in continuing this endeavor.

I am very happy to share that the department now has a successful startup with CELER. EED, LDCE has signed a MOU with BOSCH at the Vibrant Gujarat Global Summit 2024. The objective of this MOU is to train the institute students as part of their curriculum during laboratory hours. Also, it shall cater to training to neighboring degree, diploma institutes students. The training shall be imparted to provide the students with gainful employment or encourage them to become entrepreneurs for a sustained livelihood.

The vision of, "Empowering Engineers, Illuminating Futures," matches our goal. Engineers can solve problems and shape the future. We must use our skills to build a sustainable, inclusive, and technologically advanced society. I am confident that together, we will continue to make strides towards a brighter future.

As we raise our flags in honor of our nation, let us also raise our aspirations, aiming higher and reaching farther.

Happy Republic Day,  
Jay Hind !!!

**~Major Dr. C.S. Sanghvi,  
Principal (I/C)**

# HOD'S TALK

**Dear Esteemed Stakeholders,  
Wishing you a joyous Republic Day!**



An exciting milestone during this term was the establishment of a meaningful Memorandum of Understanding (MOU) at VGGS 2024 with the BOSCH India Foundation. This collaboration has paved the way for a cutting-edge training center within our department, generously sponsored by the industry. The addition of this laboratory is set to significantly enhance the infrastructure of our esteemed department.

The past academic term has undeniably been one of immense satisfaction and achievement for the Department of Electrical Engineering. We are thrilled to share that we embarked on a remarkable journey of faculty development programs, successfully training over 150 faculty members within a short span of three months. This accomplishment is a testament to the academic and administrative prowess of our department.

In the realm of innovation and entrepreneurship, the department has witnessed a surge in startup activities. Our commitment to fostering a culture of innovation and creativity is becoming a regular and dynamic affair. Furthermore, our interactions with alumni and industry professionals have been substantial, resulting in a noteworthy achievement of placing 100% of our students in internships through the department.

The credit for these accomplishments goes to the dedicated efforts of our hardworking faculty and students. We are immensely grateful for the unwavering support from our esteemed principal, whose guidance has been instrumental in steering us toward success. It is the collective spirit of dedication and perseverance that has propelled our department to new heights.

As we celebrate our achievements, let us collectively strive to maintain this high spirit in the years to come. Together, let us continue to uphold the legacy of our legendary department and institute, ensuring that we remain at the pinnacle of excellence.

Here's to a promising future filled with continued success and progress.  
Warm regards,

**Best wishes  
Dr. Ketan Badgular**



# FACULTY SPEAK

The Student Startup and Innovation Policy (SSIP) 1.0 has been successfully implemented at Electrical Engineering Department. It has promoted entrepreneurship and innovation among students.

- Students Outreached- 900 +
- PoC Supported- 17
- PoC Registered as Startup - 1
- IPs Filed / Published - 6 / 3

Our department is also providing funding assistance, mentorship, pre-incubation support to the students, along with access to industry networks and global markets as per policies of SSIP-2.0.

Presently 2 PoC are supported at our department.

Celer Electric is working in the domain of EV charger. Team Celer started PoC development during COVID19 era.

They won few awards like Innovate to Impact (i2i) Award, 2023 by GTU Innovation council, Dewang Mehta IT Award, 2023, NTD 2k23 winner by IPR and published one patent etc. It is now incorporated as Henzai Technologies Pvt. Ltd. company.

Another PoC Protech IOT is working in the domain of smart locking system for EV.

If any student wants to take advantage of SSIP policy, apply at the link given below.

<https://forms.gle/qN1tqLy54LyR1kEE7>

~**Prof. M.R. Vasavada**

The Electrical Engineering Department at L.D. College of Engineering has proudly achieved a milestone, surpassing the 100-placements mark in the year 2022-23. Students from the department have not only secured positions in leading companies but have also secured admissions in esteemed technical and management institutes, in India and overseas. The entrepreneurial spirit among some students who have ventured into their own businesses, showcasing the department's emphasis on fostering innovation and independent thinking is noteworthy.

To comprehensively prepare students for the dynamic professional landscape, the department actively engages in various initiatives like sessions on soft skill development, mock interviews, resume building, and career counselling. By offering a holistic approach to education and career development, the Electrical Engineering Department ensures that its graduates are not just technically proficient but also possess the necessary soft skills and resilience to excel in diverse professional environments.

~**Prof. Irfan Siddiqui**



# RESEARCH & DEVELOPMENT

- **Title of the paper :** Understanding Frequency Response of Induction Motor Winding through Electro-magnetic Wave Equations
- **Name of National/International Journal :** Advances in Electrical and Electronics Engineering
- **Author 1 :** Hormaz Amrolia
- **Author 2 :** Dr. K.P. Badgujar
- **Academic Year :** 2023-24
- **Date :** Sept 2023



- **Title of the paper :** Capacitive Cross-Phase Connection: A New Test Connection For SFRA Test
- **Name of National/International Journal :** Transactions of the Indian National Academy of Engineering
- **Author 1 :** Mayur V Gojiya
- **Author 2 :** Dr. K.P. Badgujar
- **Academic Year :** 2023-24
- **Date :** Nov 2023



- **Title of the paper :** Frequency regulation in interconnected power system with DFIG participation under ABT-based various operating strategies
- **Name of National/International Journal :** International Journal of Ambient Energy
- **Author 1 :** Prof. V.M. Dholakiya
- **Academic Year :** 2023-24
- **Date :** Nov 2023

# STUDENT ACHIEVEMENT



**Khyati Bodar**  
**Sem - 8**

Khyati Bodar (Chess master of LDCE)  
Khyati Bodar is gem of Electrical Engg. dept. of LDCE in the field of chess. She is an 8th sem student and an excellent chess player which she has proved by securing 1st rank in the tournament at AIT (Ahmedabad Institute of technology). Further she played at NIT (Neotec institute of technology) where she got 2nd rank and the team won the tournament. She had represented the LDCE and GTU in various tournaments with her mesmerising chess skills. Undoubtedly she is the grandmaster of chess in

LDCE. Her amazing performance had proved that "One can achieve his/her passion along with studies".

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Nailesh Parmar, a 3rd-year Electrical Engineering student at LDCE, is a visionary innovator with two granted patents – the "Rotatory Switch Board" and the "Water Alarm Tap." The Smart Rotary Switchboard, powered by a 5-volt DC supply microcontroller, redefines traditional switchboards. The "Water Tap Alarm" introduces an automatic system indicating water availability without sensors or electricity. Nailesh is also the Founder and CEO of AksharGrowPashau

Hub, leading in agriculture and technology integration, and heads AksharGrowWotBot and co-founds Techster.io. His story is an inspiration for innovation, entrepreneurship, and visionary pursuits, embodying the spirit of achievement for a brighter future.



**Nailesh Parmar**  
**Sem - 8**



# STUDENT ACHIEVEMENT

In a compelling discourse on the intersection of engineering acumen and financial finesse, Shreyanshu Singh, a 5th sem EE student, shared valuable insights on finance management for startups. Singh illuminated the intricacies of startup dynamics, delving into the fundamental concepts and imperative needs that fuel entrepreneurial endeavours. He also explained about investment landscapes, diverse levels and sources of funding, unravelling the significance of startup accelerators and the pivotal role played by angel investors. With a keen eye for detail,



**Shreyanshu Singh**  
**Sem - 5**

Singh unravelled the mystique surrounding venture capitalists, shedding light on the key attributes they seek in nascent enterprises. Shreyanshu's astute observations and comprehensive analysis have undoubtedly positioned him as a beacon of knowledge at the crossroads of academia and entrepreneurial vision.

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**Tanay Trivedi (Our Alumni)**  
**&**  
**Manan Trivedi (Sem-3)**

In a dazzling showcase of talent, the dynamic duo of Trivedi Brothers, Tanay(ME 1st Year) and Manan(BE 2nd Year), captivated audiences with their extraordinary skills at Lakhya's Got Talent. These prodigies not only astounded the judges but also secured the 2nd Runner-up Position. With an exceptional blend of mimicry and Duha-Chhand, their performance stood out amidst a myriad of other talented contestants.



# STUDENT ACHIEVEMENT



**Shubhangi Shukla**  
**Sem - 3**

In a spectacular showcase of sporting prowess at this year's GTU Interzone event, LDCE emerged as a powerhouse, with enthusiastic participation across all games and sports. A moment of triumph unfolded as Shubhangi Shukla, a talented 2nd-year student in Electrical Engineering, clinched the coveted 1st position in Table Tennis, proudly securing the gold medal. This remarkable achievement not only elevates the individual but also brings immense pride to both the department and the entire college community.

Shubhangi recently achieved another remarkable milestone by being selected as a speaker at an event organized by the Times of India in collaboration with torrent power. Her eloquence and ability to articulate ideas caught the attention of event organizers, earning her a platform to share her insights on a topic close to her heart. As she took the stage, she not only represented LDCE but also inspired fellow students with her confidence and compelling words. She emerged as top speaker in the finale round of Times Of India public speaking contest (Gujarat-Ahmedabad regional round). This is her second remarkable achievement in her small span of college life.



**Shubhangi Shukla**  
**Sem - 3**



# STUDENT ACHIEVEMENT



**Madhav Raval**  
**Sem - 3**

Madhav Raval Emerges as University Topper in Semester 2 at LDCE with a Remarkable 9.59 CPI. In a stellar display of academic prowess, Madhav Raval has emerged as the University Topper for Semester 2 at LDCE (Lalbhai Dalpatbhai College of Engineering). His exceptional achievement is marked by a remarkable Cumulative Performance Average (CPA) of 9.59 in the recently concluded examinations.

In the Internal Hackathon organized by Gujarat Technological University Ahmedabad, for SIH (SMART INDIA HACKATHON 2023), a remarkable project distinguished itself among 130 participating teams. The collaborative efforts of team members, including Sneha Patel, Shailendra Gupta, Raj Thawani, Deepak Adwani, and Prince Goswami, along with the invaluable support motivation, and guidance from mentors (Prof) Dr. J.R. Iyer and



**Internal Hackathon Team**  
**Sem 5**

(Prof) Dr. Kunal Bhatt played a decisive role in navigating the team through the internal hackathon round for SIH. This exceptional project addresses the challenge presented by the Government of Jammu and Kashmir power theft in distribution lines. The innovative solution not only efficiently detects power theft but also quantifies the stolen power, identifies the location of the theft, and sends alerts to relevant authorities through cutting-edge IoT technology. Notably, the wireless and non-invasive nature of the solution allows seamless integration into any existing infrastructure, highlighting its main Unique Selling Proposition (USP). Electrical students Team "Tracko" participated in the Internal Hackathon organized for Smart India Hackathon 2023. Problem Statement Title: Development of a Digital Platform for multi-modal visibility of coal transportation  
Mentor : Prof. Mihir Vasavada

# STUDENT ACHIEVEMENT

## " CELER "



From student project to industry disruptor, ProtechIOT's smart locking solution is redefining security and convenience in the e-bike and cycling world. Their brainchild, a comprehensive system, boasts features like remote locking/unlocking, real-time GPS/LTE tracking, geo-fencing, and an admin control panel – all powered by the magic of IoT. This translates to efficient e-bike management for both users and fleet operators, who can now track, monitor, and control their cycles remotely. But ProtechIOT's journey is as impressive as its innovation. Led by Pithava Harsh R (Electrical), ably supported by Ratnam Shah (Electrical) and Dipang Patel (Automobile), the team, under the guidance of Prof. Mihir R Vasavada, has been on a whirlwind of success.

Their achievements are a testament to their dedication:

August 1st 2023: Selected for Nidhi Eir grant by DST through IIC PDEU

August 10th 2023: Clinched 1st prize (Rs. 1,00,000) at DMIT Awards

October 19th 2023: Final scrutiny for Startup Srujan Grant

December 11th 2023: Incorporated as Henzai Technologies Private Limited

December 13th 2023: Secured Startup Srujan Grant through iHub, GOG

December 7-9th 2023: Represented SSIP LDCE at Startup Conclave, Vibrant Gujarat

And that's not all! ProtechIOT has also developed a Minimum Viable Product (MVP) for a universal charging solution for two-wheelers and three-wheelers, further solidifying their commitment to making the ride not just secure, but convenient as well. They also get a grant of 56000/- Rupees.



# VISITS

- **Sem-7 Industrial Visits :**

Embarking on a quest for real-world insights, the Department of Electrical Engineering orchestrated a riveting one-day visit to Kotarpur Water Works, Ahmedabad's cutting-edge water treatment plant. On the 27th of September, 2023.



Industrial visit to the  
**Kotarpur Water Works**

a dynamic group comprising 40 budding engineers of the 7th semester, and two esteemed faculty members, Prof. H.N. Ranal and Prof. Dr. K.A. Bhatt, delved into the intricate world of water treatment. Amidst the hum of machinery, students absorbed the nuances of water treatment procedures and marveled at the capacity of the plant's technological marvels. Kotarpur plant treats 650 MLD (Million of Litre per day) of water and a maximum of 750 MLD of water accumulated from Narmada by gravity flow and from Sabarmati by pumping. It meets 80% of the 1100 MLD water demand of Ahmedabad city. Kotarpur Water Works is the largest water treatment plant in Asia. This immersive journey proved to be more than an excursion; it was a transformative experience, fostering a profound connection between theory and practice for both students and faculty alike.



Industrial visit to the  
**Horizon Microtech Pvt. Ltd.**

In a transformative learning experience, the 7th-semester students of the Electrical department recently embarked on an enriching industrial visit to Horizon Microtech Pvt. Ltd. The visit provided a unique opportunity for students to bridge the gap between theoretical knowledge and practical



# VISITS

application, offering a glimpse into the real-world workings of a leading technology company. On 30th Sept.2023, 40 students of the 7th Sem along with Prof J.R.Iyer and Prof. S.N.Shivani visited Horizon Microtech Pvt. Ltd. At Kadi. The company's Director Shri. Kaumil Patel is an Alumni of the Electrical Engineering department of LD College of Engineering. The company manufactures electronic control panels and relay panels, switchgear items, Industrial automation systems, and PLC. It is engaged in Engineering services and software development. Students were taken around in the factory, where Shri. Kaumil Patel himself explained various ongoing jobs. He also answered all the queries of students.. Excellent hospitality was provided to the students and faculty In retrospect, the industrial visit to Horizon MicroTech Pvt. Ltd. was not just a field trip but a transformative journey that illuminated the path from academia to industry. The college remains committed to providing such invaluable experiences, bridging the gap between theory and practice, and shaping well-rounded individuals ready to tackle the challenges of the dynamic professional world.

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- **Sem-5 Industrial Visit :**



Industrial visit to the  
**Gayatri Control And  
Automation Pvt. Ltd.**

In a quest to bridge the gap between theory and practice, the 5th-semester students of the Electrical Engineering department recently embarked on an insightful industrial visit to Gayatri Control and Automation Pvt. Ltd. The visit, which took place on the 30th of September,

proved to be a transformative experience, immersing our students in the dynamic world of automation and control systems. One of the highlights of the day was the opportunity for students to interact with professionals at Gayatri Control and Automation Pvt. Ltd. These engaging conversations offered invaluable insights into the industry's nuances, challenges, and emerging trends.



# VISITS

Our students gained a firsthand perspective on the practical aspects of their chosen field, enriching their academic knowledge with real-world experiences. In conclusion, this industrial visit was a resounding success, leaving an indelible mark on our 5th-semester Electrical Engineering students. As they return to their classrooms with newfound inspiration and insights, the college remains committed to providing such enriching experiences that empower our students to become the innovators and leaders of tomorrow's electrical engineering landscape.

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## • SSIP Visit Of Sem-3 :

SSIP visit On December 10, 2023, a wave of excitement swept through the corridors of LDCE as a group of enthusiastic SEM 3 students embarked on a stimulating journey to Gandhinagar. Their destination: the buzzing hub of innovation and entrepreneurial spirit – SSIP! This wasn't just a field



Visit At  
**SSIP Gandhinagar**

trip; it was a deep dive into the world of startups, a chance to witness firsthand the challenges and triumphs of India's burgeoning entrepreneurial ecosystem. Beyond the formal sessions, the trip offered a glimpse into the vibrant lifestyle of Gandhinagar. Students explored the city's historical landmarks, savored its delectable cuisine, and experienced the warm hospitality of the local community. These experiences fostered a sense of camaraderie and broadened their cultural horizons. The SSIP visit proved to be much more than just an educational excursion. It was a transformative experience that challenged our students to think outside the box, ignited their entrepreneurial spirit, and equipped them with the knowledge and network to navigate the future with confidence. As they returned to campus, their eyes shimmered with newfound inspiration and their minds buzzed with innovative ideas, ready to take flight and soar in the sky of their aspirations. This event is a testament to LD College of Engineering's commitment to providing its students with holistic learning experiences that go beyond the confines of textbooks. The SSIP visit has undoubtedly left an indelible mark on the participants, shaping their academic journey and potentially influencing their future career paths.



# EVENTS

- **15 August Celebration :**



## Independence Day Celebration

Marking the 77th Independence Day of our beloved nation, India. LDCE embraced the occasion with customary enthusiasm and pride. The Civil Lawn served as the backdrop for the grand celebration, graced by the esteemed presence of Major Dr. CS Sanghvi, the revered principal of LDCE, alongside heads of departments, faculties, and enthusiastic students. The atmosphere resonated with patriotic zeal as NCC cadets and NSS volunteers, adorned in their distinguished uniforms, joined the gathering. A spirited rally, led by the NCC and NSS cadets, traversed from the civil lawn to the main gate and finally back to the civil lawn through the hostel gate, with students proudly waving the tricolor. The audience witnessed an impressive parade executed by the NCC cadets who underwent rigorous training in preparation for this momentous day. The air echoed with resounding slogans and cheers, paying homage to the freedom fighters and leaders integral to the nation's growth. The ceremonial unfurling of the national flag was a momentous highlight, followed by an eloquent and inspiring speech from Principal Major Dr. C.S Sanghvi. Adding to the significance of the day is the 9th edition of the departmental magazine, ELECTRI.CT, was unveiled, capturing the essence of academic achievements and milestones. Simultaneously, magazines from various other departments were also inaugurated, creating a tapestry of literary and academic endeavors that contributed to the collective celebration of independence and knowledge at LDCE.

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- **Teacher's Day Celebration :**

Embarking on a journey that transcends the traditional boundaries of academia, the celebration of Teacher's Day at the Department unfolded as a vibrant tribute to the mentors who guide us through the intricate drapery of learning. From the foundational ABCs to



# EVENTS

unraveling the complexities of circuit theorems, teachers have been steadfast companions in every student's educational odyssey. In the rich tapestry of Indian culture, 5th September takes on a special significance, as it commemorates the birth anniversary of the revered Dr. Sarvepalli Radhakrishnan. A day dedicated to acknowledging

the profound impact of teachers on society. Radiating an air of festivity, the department came alive with joyous events that showcased the unique bond between educators and learners. Room 211 became the epicenter of a meticulously organized fun session, curated by a dynamic team of students. Axar from semester 7, along with Krupali Patel and Shreyanshu Singh from semester 5, and the dynamic trio of Niket Vaishnav, Hardik Bhasotiya, and Krish Sadhu from semester 3, ingeniously reversed roles, stepping into the shoes of educators to impart knowledge to their peers and faculty alike. The celebration embraced an interactive dimension with engaging activities such as quizzes, puzzles, symbol and character guessing, and spirited dialogue sessions. The air was filled with laughter, learning, and a shared appreciation for the symbiotic relationship between teacher and student. Adding an extra layer of significance to the occasion were the esteemed faculty members who graced the event with their presence – Professors Lalji Kataria, Hemant Raval, Alpesh Upadhyay, and Kunal Bhatt. Their participation elevated the celebration, underscoring the unity and camaraderie that defines the educational community. In this kaleidoscope of gratitude and camaraderie, the Teacher's Day celebration at the Department emerged not just as a commemoration but as a testament to the enduring spirit of learning, where roles reversed, boundaries blurred, and the joy of knowledge was celebrated with unwavering enthusiasm.



**Teacher's Day Celebration**

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## • CPR Event :

The Electrical Department embraced the spirit of humanitarian service by becoming proud members of the Youth Red Cross on 13th September 2023. The initiative not only emphasized the importance



# EVENTS



## CPR Event

of social responsibility but also equipped our students with a crucial lifesaving skill – Cardio-Pulmonary Resuscitation (CPR). Under the guidance of trained professionals, every student participated in hands-on CPR training, learning the precise techniques and maneuvers required to provide immediate assistance in life-threatening situations. Students eagerly embraced the opportunity to acquire crucial emergency skills, fostering a shared commitment to responsible citizenship.

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"LDCE Unites in Compassion: Successful Blood Donation Camp Held on 26th September". In a remarkable display of solidarity and generosity, LDCE hosted a highly successful blood donation camp on the 26th of September, 2023. The event, organized by dedicated volunteers and supported by enthusiastic participants, aimed to contribute to the noble cause of saving lives through blood donation. The campus buzzed with positive energy as students, faculty, and staff lined up to make their selfless contributions. The turnout exceeded expectations, showcasing the altruistic spirit that defines the LDCE community. The event not only emphasized the importance of donating blood but also fostered a sense of unity and social responsibility among the LDCE family.

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## Blood Donation Camp

### • YHAI Talk :

The Youth Hostels Association of India, known as YHAI, specializes in providing hostel accommodations for youth across India. On 21 September 2023, Prashant Shah, the unit President of YHAI in



# EVENTS



## YHAI Talk

Ellise Bridge, delivered an insightful talk on adventure tourism activities organized by the association. During the session, he emphasized the advantages of connecting with nature, fostering trekking as a hobby, highlighting popular national and local treks, and showcasing significant natural sites in Gujarat. Gujarat emerges as a dream destination for nature enthusiasts, offering diverse experiences such as sea, desert, jungle, and mountains. Stressing the importance of conservation, Prashant Shah urged the present youth to actively engage in preserving nature and the environment. The talk aimed to inspire participants to forge a deeper connection with nature, fostering a sense of motivation and responsibility toward environmental conservation

## • Thangaat 2023 :

In a celebration that echoed the spirit of togetherness and cultural vibrancy, LDCE recently hosted a spectacular two-day Navratri Garba event named “Thangaat”. LDCE Cricket Ground was adorned with beautiful lighting, decorations, and a stage. The campus came alive with the rhythmic



## Thangaat 2023

beats, colorful attires, and energetic dance moves, creating an unforgettable cultural experience for all the attendees. It was a two-day unforgettable event. On the first day, a famous band, popularly known as Aghori Music was invited. They are known for their creative fusion of hip-hop and Gujarati Garba. A whopping 7000 people grooved on the hip-hop garba that night. On the second day, an orchestra band led by Himanshu Bhavsar captured the show. The evening was unforgettable with melodious music, beats, and unstoppable garba dancers. The event was filled with piety and divinity after Ambe Maa's Aarti.



# EVENTS

- **E-Waste Collection :**



## **E-Waste Collection**

practices, promoting the recovery of valuable resources from electronic devices while minimizing the negative impact on ecosystems and human well-being. E-waste management requires a collaborative effort which was recognised by LDCE's Electrical Engg. department and in turn organized an e-waste collection drive in the college from 25th October 2023 to 4th November 2023. This drive saw enthusiastic participation from students as well as faculty.

Improper disposal of E-waste poses significant environmental and health risks due to the presence of hazardous materials like lead, mercury, and cadmium. To address this challenge, there is a growing emphasis on responsible recycling

- **Joy Of Giving :**

"Spreading Warmth and Smiles: LDCE's NSS Unit Celebrates 'The Joy of Giving' on 25th December." In a heartwarming display of compassion and generosity, the National Service Scheme (NSS) unit at LDCE organized an Old Cloth Donation Program on the 25th of December, aptly named 'The Joy of Giving'. This event not only marked the spirit of Christmas but also reflected the ethos of service ingrained in the LDCE community. Amidst the festive cheer, students, faculty, and staff came together to contribute to this noble cause. The NSS unit orchestrated a seamless execution of the donation drive, creating an environment where the joy of giving surpassed the joy of receiving. The emphasis was not just on distributing old clothes but on making a meaningful impact in the lives of those in need.



## **Joy Of Giving By NSS**



# EVENTS

- **Global Alumni Convention (GAC) :**



**GAC**

We celebrated the Global Alumni Convention on 6th January, 2024. The inaugural session was graced by Shri Banchhanidhi Pani (IAS), Shri Mukesh Patel (Commissioner of Technical Education), renowned tax consultant Dr. Rajul Gajjar (VC GTU), other dignitaries and alumni from all over for and wide. We inaugurated the smart classrooms at the department, in the presence of students, faculty and the donor alumni of 1994 batch. There was the musical night and gala dinner which was attended by enjoyed by everyone.

Shri Nilesh Desai, Director SAC-ISRO was awarded LD RATNA and the 7 NBA accredited department heads were felicitated.

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- **ATAL Faculty Development Programme :**

In a world increasingly reliant on digital infrastructure, the need for robust and intelligent power systems has never been greater. Recognizing this growing demand, LDCE Ahmedabad organized a week-long Faculty Development Program (FDP) titled "Role of AI in Modern

Power System Protection." Held from October 16th to 21st, 2023, the program delved into the cutting-edge intersection of artificial intelligence and power system protection, equipping participants with the knowledge and skills needed to navigate this dynamic field. The FDP attracted faculty members, research scholars, and industry professionals eager to enhance their understanding of AI's transformative potential in safeguarding power systems. Renowned experts from prestigious institutions like IITs, NITs, and other national leaders in the field delivered insightful lectures, interactive workshops, and hands-on sessions. The program aimed to empower participants with the knowledge and tools to build secure and intelligent power systems using AI.



**ATAL FDP EVENT**



# EVENTS

## • BIS Club Orientation :



On December 21, 2023, the Bureau of Indian Standards (BIS) Club at LDCE, under the leadership of Sai Kaushik Sir and the support of Faculty Coordinator H.N. RAVAL Sir, hosted a dynamic event that ignited a passion for standards among students.

students Coordinators Nikett Vaishnav and Krish Sadhu skillfully orchestrated the engaging activities. The event culminated in a thrilling Standard Writing Competition. This stimulating initiative not only raised awareness about the importance of standardization but also honed the technical writing skills of the students.

Here are the proud winners of the Standard Writing Competition:

1st Prize: Jain Harshil and Gadhavi Jay (3rd Sem both)

2nd Prize: Vankar Kiran and Zala Karan (3rd Sem both)

3rd Prize: Madhav Raval and Archi Rathod (3rd Sem both)

4th Prize: Pal Gaurav (5th Sem) and Mishra Suyash (1st Sem)

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## • Ummeed - Let's Fly Happiness :



National Service Scheme (NSS) LDCE soared into Makar Sankranti with "Ummeed - Let's Fly Happiness," a heartwarming event celebrating community and cultural connection. Held on Swami Vivekananda's birth anniversary, the day saw students and underprivileged

children take to the skies, literally and figuratively, with kites and shared joy. The campus buzzed with laughter as wind danced with colorful tails, weaving bonds between strangers. "Ummeed" wasn't just kites and merriment; it was NSS's spirit of service taking flight. It was Swami Vivekananda's message of compassion echoing in laughter and kindness. For the children, it was a day of joy, a reminder that they are not alone, and that hope takes flight on even the smallest of wings. "Ummeed" reminds us that true celebration lies in spreading joy and building bridges. As the echoes of laughter fade, the event leaves behind a legacy of hope, carried on the wings of kites and the warmth of shared smiles.



# EVENTS

## • SAHYOG-2023 :



In a world driven by innovation, bridging the gap between the academic expertise of universities and the practical demand of industry is crucial. Recognizing this need, the Electrical Engineering

Department at LDCE launched SAHYOG in 2021, an annual initiative dedicated to fostering industry-institute interaction. The 2023 edition, held on September 16th, was a resounding success, bringing together 21 leading industry representatives and LDCE faculty for a day of collaboration and knowledge exchange.

The event kicked off with a warm welcome from Head of Department, Prof. Dr. K. P. Badgujar, who emphasized the importance of collaboration in propelling the nation's industrial development. Prof. Dr. J. R. Iyer echoed this sentiment, highlighting the need to train students for the ever-evolving technological landscape.

Faculty presentations showcased the department's capabilities, from research activities and testing services to internship opportunities. Prof. N. V. Sinha provided insights into the department's past year, while Prof. Dr. B. J. Shah shed light on how LDCE assists industries through testing and consultancy. Prof. R. J. Patel highlighted the success of past SAHYOG events in securing internships and employment for students, while Prof. M. I. Siddiqui linked the rise in student placements to strong industry-institute connections fostered through SAHYOG. The event's outcomes were significant. Industry representatives acknowledged the need for closer collaboration and expressed their desire for more such events. They also identified specific areas of interest, seeking LDCE's expertise in skill development workshops, shared infrastructure, and testing and consultancy services. In turn, LDCE received valuable support from the participating industries. As many as 12 companies agreed to accept students for internships and projects, while 8 pledged long-term collaborations through MOUs. Expert lectures, industrial visits, and curriculum design participation were also offered, further strengthening the partnership.



# BOOK DONATION



Prof. Gadani, a revered faculty member from the Polytechnic and a cherished alumnus, recently donated a valuable collection of MBA entrance exam books (CAT) to the department. These well-regarded resources will be a boon for students preparing for their postgraduate pursuits, providing them with access to in-depth explanations, practice questions,

and valuable test-taking strategies. Prof. Gadani's thoughtful contribution exemplifies the enduring connection our alumni feel with their alma mater, and his commitment to academic excellence will undoubtedly inspire generations of future CAT aspirants.

---

Shivam Gajjar, a 2018 graduate who currently shines at MEDITAB after a stint at Nirma Chemicals, has also generously donated a range of books to the department. Shivam's generosity exemplifies the spirit of giving back that defines our alumni community.



His contribution strengthens the department's resources, ensuring that current and future students have access to diverse perspectives and cutting-edge knowledge in their chosen fields.

A heartfelt thank you to Prof. Gadani and Shivam! We invite other alumni to join this incredible journey of enriching our library, one book at a time.

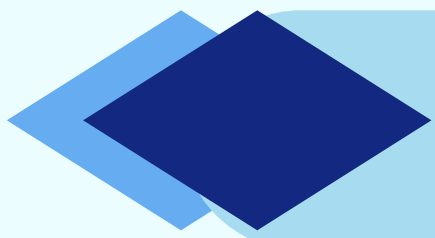
Let's keep the pages turning, together.



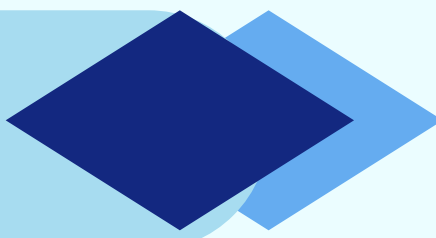
# PLACEMENT DETAILS

L.D. COLLEGE OF ENGINEERING BATCH 2022- 2023		
Placement Status of Batch 2022-23 Electrical Department(On campus)		
Sr No.	Name of Employer	Names of Students Recruited
1	ACCENTURE	2
2	TCS	9
3	MEDITAB	2
4	SCALADGE	2
5	TORRENT	3
6	UPL	3
7	WORLEY	2
8	TORRENT - AMGEN	2
9	MG MOTOR	1
10	ATUL	3
11	HITACHI	3
12	KEYENCE	1
13	RELIANCE	7
14	ADANI WILLMER	3
15	MANTRA SOFTECH	1
16	ADANI GROUP	26
17	AARTI IND.	7
18	IMEG	2



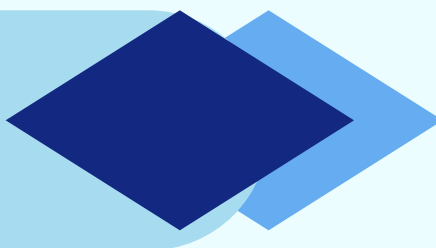
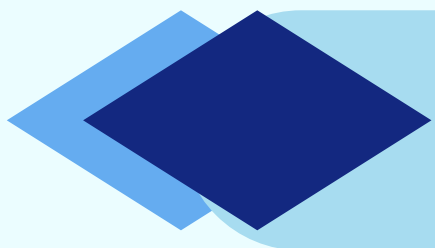


# PLACEMENT DETAILS



L.D. COLLEGE OF ENGINEERING BATCH 2022- 2023		
Placement Status of Batch 2022-23 Electrical Department(On campus)		
Sr No.	Name of Employer	Names of Students Recruited
19	ACADEMOR	1
20	ARVIND	1
21	MATTER	6
22	PLANET SPARK	1
23	DEEPAK GROUP	1
24	SYSTRA	1
25	LTTS	1
26	TCE	2
27	GIPCL	1
28	PI INDUSTRIES	3
29	TCL CABLES	3
30	SYSTEM PROTECTION	1
31	GODREJ	1
32	GNFC	2
33	GFL	1
34	MAXXIS RUBBER	1
35	TORRENT POWER	4





# TOPPERS

Rank	Sem-2		SPI
1	220280109117	RAVAL MADHAV KASHYAP	9.59
2	220280109123	SHAH DHRUVAL DIPENBHAI	8.86
3	220280109103	PRAJAPATI KALPESHKUMAR KARSHANBHAI	8.73
Rank	Sem-4		SPI
1	220283109020	PANDIT DIPNARAYAN SURENDRABHAI	9.13
2	220283109032	RANA AKSHAY MANOJKUMAR	9.04
3	220283109025	PATHAN RAHILKHAN YASINKHAN	8.96
Rank	Sem-6		SPI
1	200280109079	RAYRIKAR SHASHWAT RAKESH	9.39
2	210280109506	SHAIKH YAHYA ABDUL VAHID	9.35
3	200280109087	SWAIN ANJIT ARUNKUMAR	9.22
Rank	Sem-8		CPI
1	190280109127	SHAH RATNAM BIGENKUMAR	9.06
2	190280109012	BHATT VARUN YASHAVANT	9.01
3	190280109154	VORA KIRTAN JATIN	8.98



# GAMES

## POWERLINE

A puzzle game that puts your logic and strategic planning to the test, one conductive path at a time! Ditch the color palette and grab your voltage meter – it's time to illuminate the grid with a surge of brilliant energy!

The Rules of the Circuit:

Imagine a grid pulsing with energy, its squares holding nodes buzzing with potential. Your mission? Forge a network of conductive lines, ensuring each node of the same voltage level finds its perfect match. But beware, stray currents and crossed wires can spark chaos! Remember, only like charges attract in this electrifying puzzle.

Medium Meltdown:

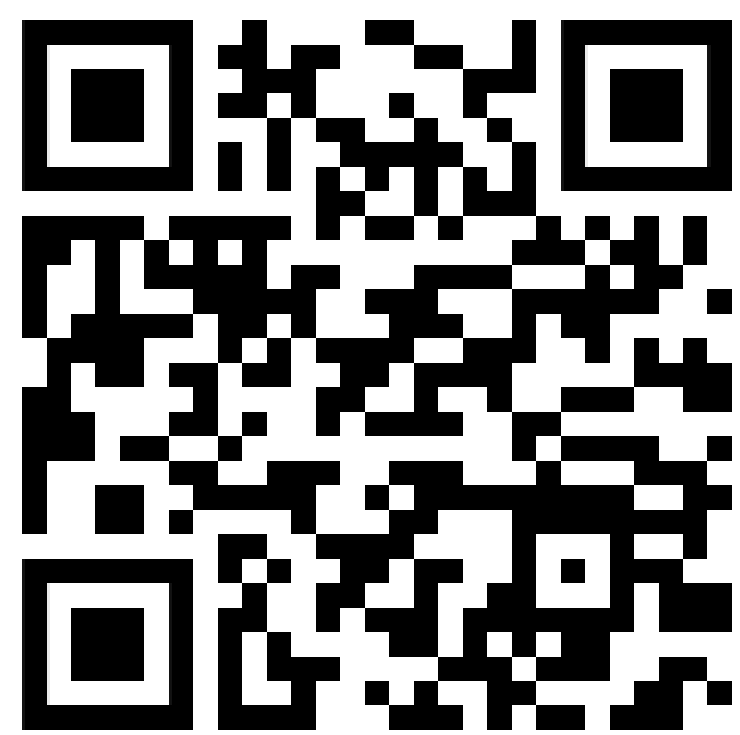
This Powerlines level throws in a few extra resistors and transformers to keep your neurons fired up. The grid might expand or twist, demanding creative circuit designs. Diagonal pathways could offer shortcuts, while insulated squares challenge your route planning. But fear not, engineer-in-training! The core rules remain the same, just amped up with a hint of electrical complexity.

Victory Watts You Expect:

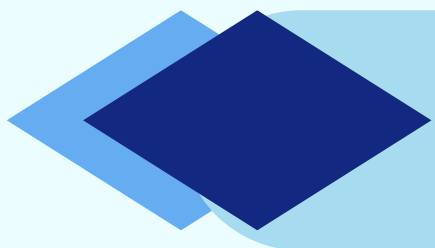
As you conquer this Powerlines level, you'll not only train your brain in critical thinking and electrical design, but also experience the satisfaction of transforming a chaotic grid into a humming masterpiece of interconnectedness. So, grab your pencil, unleash your inner electrician, and let the voltage flow!

### Rules:

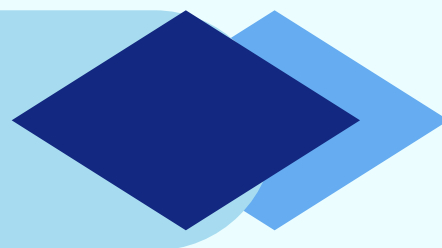
- Lines can't spark each other or overload the grid. [Lines cannot cross or overlap.]
- Every terminal with the same voltage needs a dedicated wire to get powered up. [All dots of the same color must be connected by a single line.]
- Don't leave any dead ends, every section of the grid needs to be energized. [No empty spaces can be left on the grid.]



Scan the QR!



# GAMES



9V				11V
55V		11V	55V	
			9V	
23V				23V

11V			9V	
	9V		23V	
	11V	23V		

23V				9V
		11V		
		R	11V	
	23V			9V

	23V			
	11V		23V	
	11V	9V		
				9V

						33V
	55V					
		23V	33V	73V	9V	
	55V	9V	11V	23V		
					11V	73V





# ART CORNER



**Shlok Mandaliya**  
**Sem-8**



**Devika Rajput**  
**Sem-3**



**Archi Rathod**  
**Sem-3**



**Vardhman Solanki**  
**Sem-3**



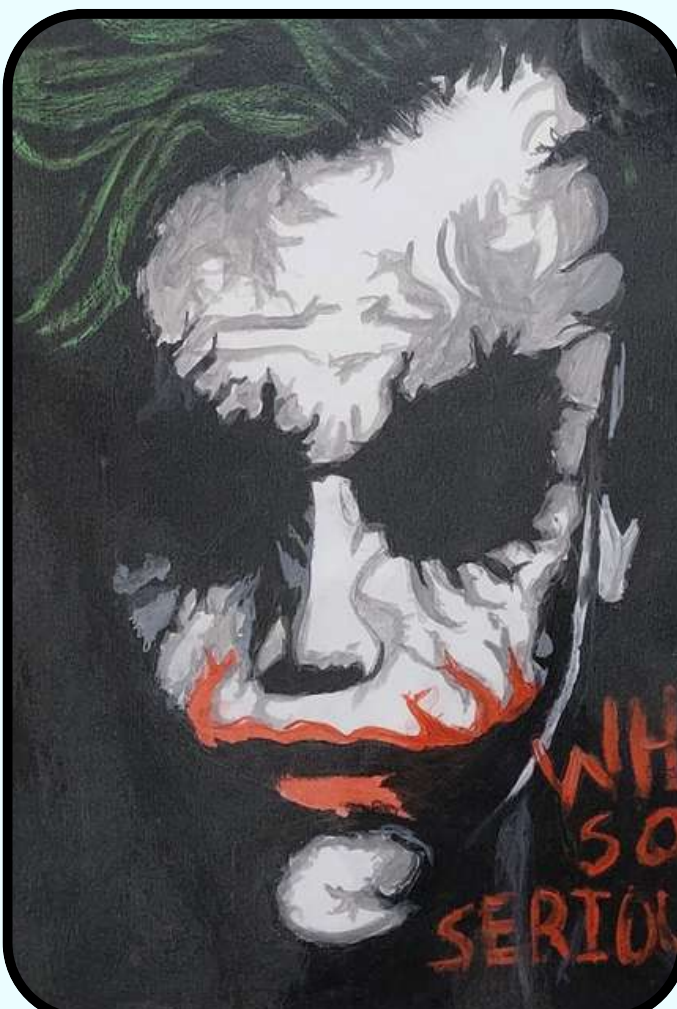
**Miral Varsani**  
**Sem-1**



**Miral Varsani**  
**Sem-1**



**Kesar Kaliya**  
**Sem-1**



**Dipak Pawar**  
**Sem-1**



**Dev Parmar**  
**Sem-1**



# ART CORNER



**Nishant Chauhan**  
**Sem-1**



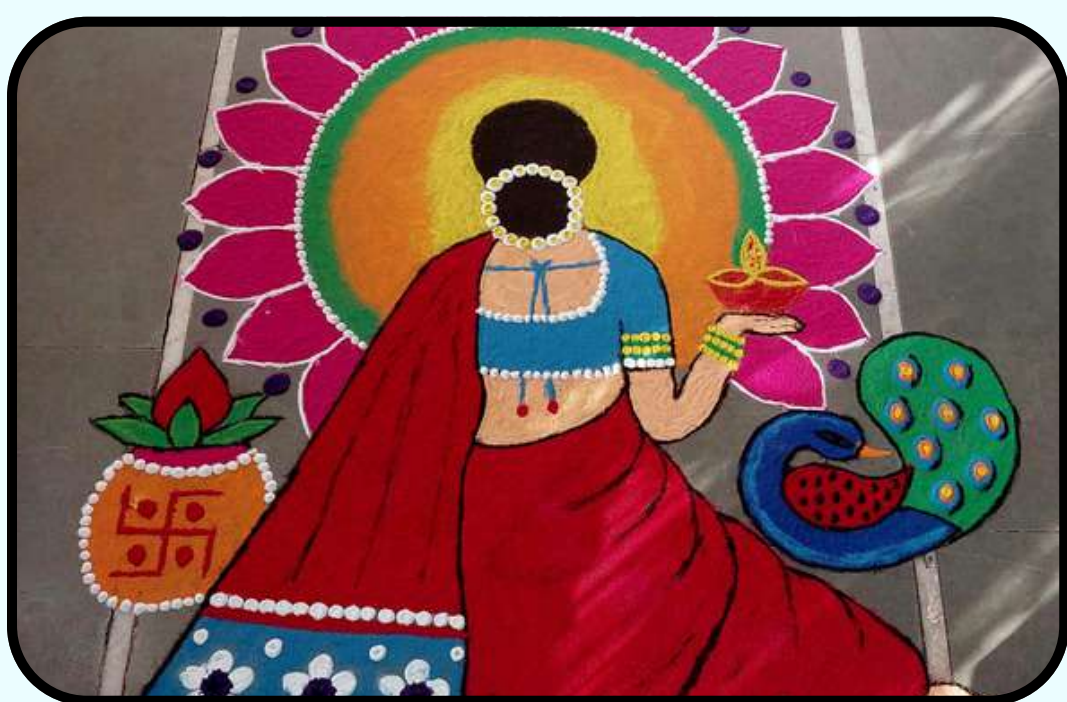
**Nishant Chauhan**  
**Sem-1**



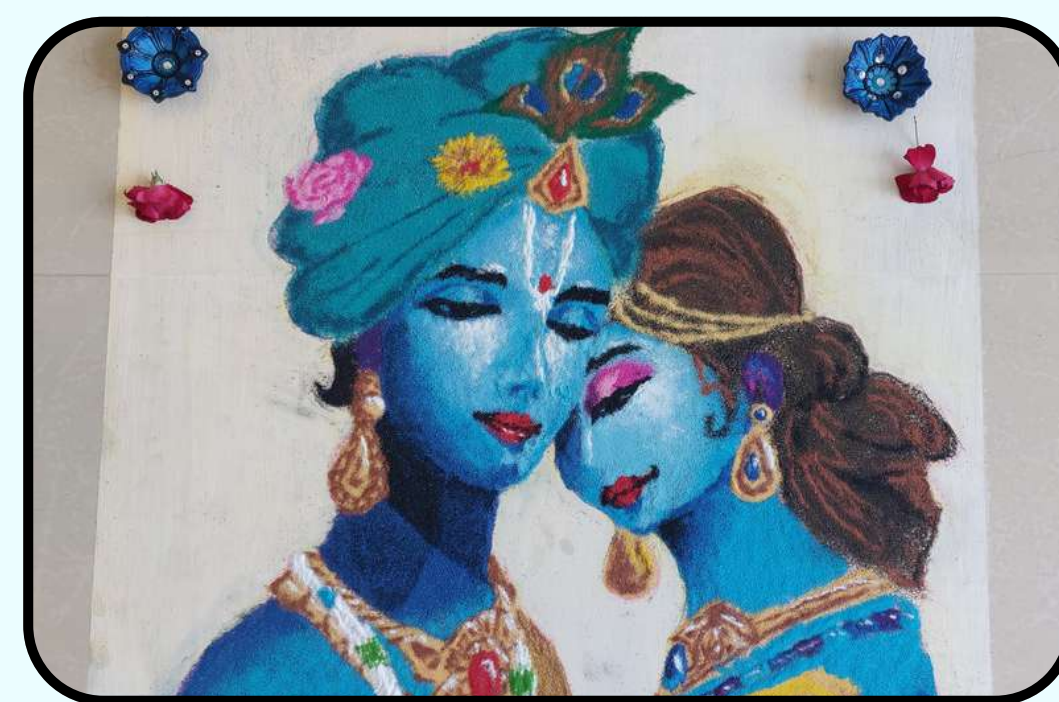
**Shlok Mandaliya**  
**Sem-8**



**Aaryan Shukla**  
**Sem-1**



**Devika Rajput**  
**Sem-3**



**Kesar Kaliya**  
**Sem-1**



**Anjali Mistry**  
**Sem-1**



**Anjali Mistry**  
**Sem-1**



## આપ જરા LD એ પધારશો

એક વાત કહું તો માનશો ?  
આપ જરા LD એ પધારશો ?

કેટલીયે કહાની અને સિધ્ધિઓ ને સાચવી છે આ ભૂમિમાં,  
અને હજી કેટલીય આશા અને શમણાં સજાવશે એ અભિલાષા માં.  
એક વાત કહું તો માનશો...

કંઈ કેટલી Batch હયાતી આપી ગઈ છે અહીં ની ધૂળ માં,  
પણ હજીયે કેટલી સ્મૃતિ ને સાંચવી બેઠી છે એ મૂળ માં.  
એક વાત કહું તો માનશો...

શું તમે ઝંખના ના ઝંઝાવાત ઝઝૂમતા જાણ્યાં છે ?  
અરે મેં તો વિદ્યાર્થી ને અહીં શૂન્ય થી સર્જન કરતા ભાળ્યા છે!  
એક વાત કહું તો માનશો...

અહો પ્રકૃતિ અને ટેકનિકી નું અદ્ભુત મિલન LD માં છે,  
હજીયે બહાર પક્ષીનો કલરવ અને AC મોટર વર્ગ માં છે.  
એક વાત કહું તો માનશો...

અરે બિરાદર તે ચિંતા ને તકલીફ ને માથે લીધી છે ?  
તે કોઈ દિવસ મિત્રો સાથે રબડી ની ચા પીધી છે!  
એક વાત કહું તો માનશો...

જ્યારે પણ ક્યારેય તમે સફળતા ના શિખરો ગણજો  
હા !!! હું LD માં જ ભણતો એમ અચૂક કહેજો..  
એક વાત કહું તો માનશો....

**Manan Trivedi**  
**Sem 3**

જગજનની હૈ આપ હમારી,  
ભાગ્યવિધાતા LD હમારી ।  
સુખ હો ચાહે દુખ હો ,  
સાથ સદા હી રહે LD તુમ્હારા ,  
નયે દોસ્ત , નર્દ કહાની ,  
યાદ રહેગી LD તુમ્હારી ,  
હમ સબકે દિલોં મેં પ્યાર ,  
મોહબ્બત હૈ LD હમારી ,  
કામયાબી કી બુલંદ પર પહુંચાતી હૈ,  
સદા ચમકે LD કા સિતારા

**Maitri Vahia**  
**Sem 3**

बिजली के क्षेत्र में हैं हम सब एक,  
बुलंद हैं आशाएं, हमारा हौसला भी विशेष।

तारों की चमक से होता है सफर सजीव,  
हमारी टीम में है उम्मीद की उड़ान हर पल नयी।

सर्किटों की बातों में है हमारा जादू,  
मैगजीन के कोने-कोने में हो रहा है यह संगीत।

बिजली के विज्ञान में हैं हम माहिर,  
मैगजीन के पन्नों पर चमकता है हमारा यह सफर।

**Nishant Chauhan**  
**Sem 1**

आशा तू खुदसे रख,  
हर दिन एक चुनौती रख ,  
इस चुनौतीयों को स्वीकार कर ,  
अपना जीवन साकार कर ।

कोई साथ नहीं होगा ,  
कोई हाथ नहीं होगा ,  
केवल तू अपना है , तू ही है ।

यदि जीवन एक आसान कदम,  
मे नाव ले तू ।  
तो क्या पदचाप बनेगे ?  
तेरा नाम बनेगा ?

अपना जीवन साकार कर तू ,  
आशा खुद से रख तू ,  
चुनौती स्वीकार कर तू ।

**Anjali Mishra**  
**Sem 1**



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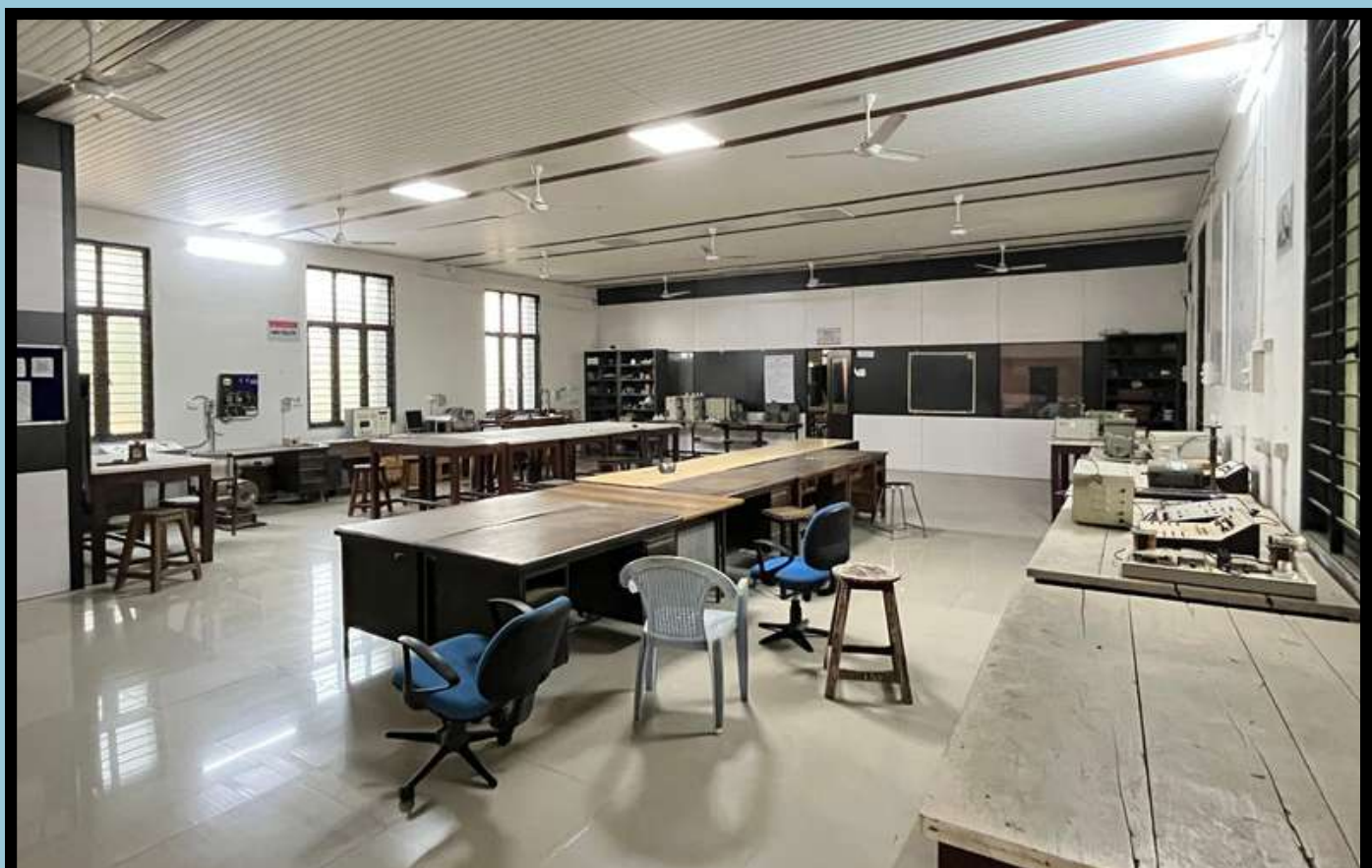


**Devkumar Parmar**  
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(230280109090)



**Kesar Kaliya**  
Art Director  
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