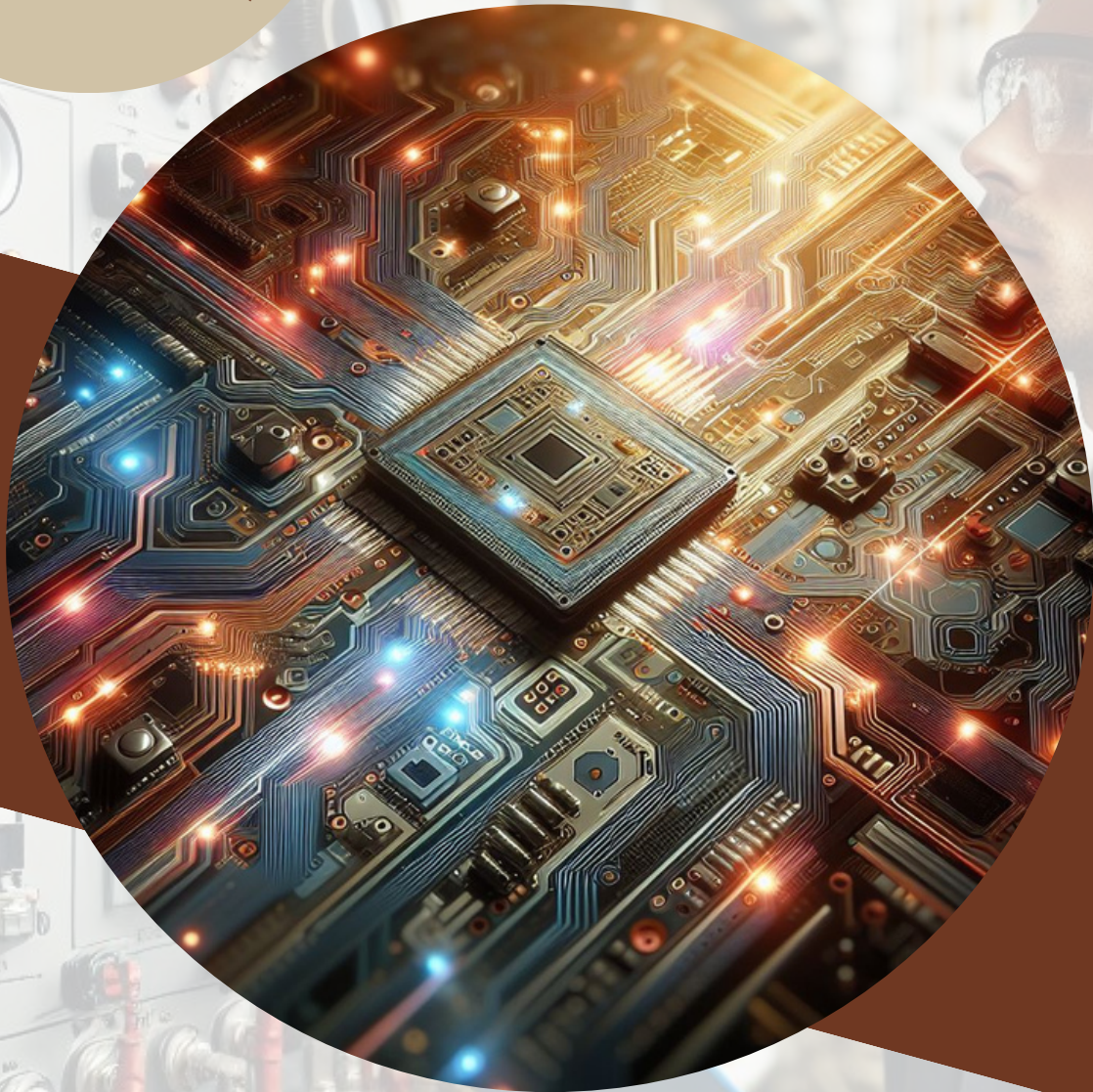
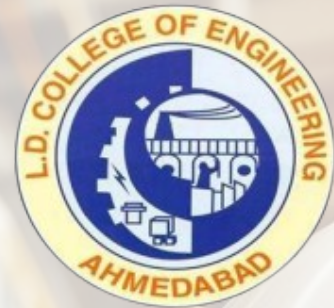


**Department
of Instrumentation
and Control
Engineering
NBA Accredited
(2021 - 2024)**



INSTRU FLASH

**Departmental Newsletter
Volume 11.0
July 2023 - Dec 2023**

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PRINCIPAL'S MESSAGE

Embarking on a new quarter, I am thrilled to announce that LDCE has sustained positive momentum, kicking off the session on a high note. The success of recent endeavors, coupled with the collective dedication and enthusiasm, has set an encouraging tone for the ongoing academic journey. After the triumph of GAC, I am proud to announce that LDCE has been honored with the Best Poster Award at the IIC Regional Meet 2023. This accolade underscores the innovative and impactful research contributions made by our exceptional faculty and students. It reflects the academic process and commitment to excellence that define our institution.



Furthermore, in line with our commitment to community well-being, the department recently organized a successful Blood Donation Camp. Additionally, a comprehensive Cardio Pulmonary Resuscitation (CPR) Training Program was conducted, empowering our students with life-saving skills. These initiatives highlight our holistic approach to education, emphasizing not only academic excellence but also social responsibility and practical life skills.

The Instrumentation and Control Engineering Department has consistently demonstrated its dedication to student development through various events and programs. Events like Sahyog 2023 and Industrial Automation have proven to be enriching experiences. The organization of numerous industrial visits, the student development program, and research contributions by faculties reflect the department's commitment to providing practical insights and industry exposure. I extend my heartfelt appreciation to the Instrumentation and Control Engineering Department for their unwavering commitment to excellence. I am confident that they will continue to achieve remarkable milestones in the future.

Best wishes,

Major Dr. Chaitanya Sanghavi,
Principal,
L.D. College of Engineering,
Ahmedabad.

HEAD OF DEPARTMENT'S MESSAGE

Dear readers,

I am delighted to welcome you to the 11th edition of INSTRUFLASH – the departmental newsletter of our Instrumentation and Control Engineering department. As we navigate through some milestones, it is with great pleasure that I share some highlights and updates from our vibrant community. First and foremost, I want to express my gratitude to each one of you for your unwavering commitment to excellence. The Department continues to thrive, thanks to the dedication and hard work of our talented team. Your contributions are instrumental in achieving our collective goals and maintaining the high standards we uphold.



I am Very Happy to announce that our department has expanded its horizons this year by increasing the number of sanction intake from 60 to 90, welcoming a vibrant cohort of aspiring engineers this quarter. This edition of our newsletter highlights the events and programs that have been organized in our department. Various programs have been organized under the ISA student chapter that enabled the students to enhance their knowledge in various domains. The industry-academia collaboration meets Sahyog-2023 has been a great opportunity to strengthen the industry-institute association.

Under the guidance of Centurian Blood Donor Major (Dr) Chaitnya Sanghvi, (The Principal of L. D. College of Engineering) students of the I.C. department participated in the CPR training program and also came forward to save lives with the contribution of the Blood Donation Drive.

Our alumni community continues to be a pillar of support, exemplified by generous contributions. Samyank Instruments, LDCE Alumni 1978, donated 10 computers, while the late Dr. Mandakiniben Swapan Majumdar and Dr. Swapan Majumdar's gracious donation of Rs 25 Lac significantly enhanced our resources. Mr. Yogesh Morakhiya, an alumnus of the IC batch of 1978, has contributed Rs 5 lakhs for Smart Classrooms (Room No. 252, 253). We heartfully also acknowledge the financial support of Rs.1 Lac received by Dr. Rashesh Joshi for the student's appreciation work in memory of his daughter late Prof. Kruti R. Joshi. We extend our heartfelt gratitude to our alumni for their unwavering support and dedication to the growth of our academic community.

The newsletter felicitates meritorious students of the department in the different semesters and the paper publications by the faculty. We congratulate and appreciate the efforts of the LDCE placement cell for the placement opportunities that have been provided to the students in various reputed organizations. Apart from all the various programs, the Industrial visits of IFFCO, Torrent Power Plant, Amul Fed Dairy, and The Green Environment Services Co-op Society Ltd were a great learning opportunity for the students to have a practical learning experience.

As we conclude, I extend my heartfelt congratulations to Dr. M. C. Patel and Dr. V. V. Patel for their remarkable achievement in completing their PhD. Their dedication exemplifies the spirit of excellence within our department. Let's celebrate their success and look forward to more milestones collectively achieved in the spirit of academic camaraderie. Here's to a future filled with continued growth and shared accomplishments.

Dr. Manish Thakker,
Professor and Head,
Department of Instrumentation & Control Engineering,
L.D. College of Engineering, Ahmedabad.

VISION OF INSTITUTE

- To contribute to the nation's sustainable development through achieving excellence in technical education and research while facilitating the transformation of students into responsible citizens and competent professionals.

MISSION OF INSTITUTE

- To impart affordable and quality education in order to meet the needs of industries and achieve excellence in the teaching-learning process.
- To create a conducive research ambiance that drives innovation and nurtures research-oriented scholars and outstanding professionals.
- To collaborate with other academic & research institutes and industries to strengthen education and multidisciplinary research.
- To promote equitable and harmonious growth of students, academicians, staff, society, and industries, thereby becoming a center of excellence in technical education.
- To practice and encourage high professional ethics, transparency, and accountability standards.

VISION OF DEPARTMENT

- To provide quality education and research environment for preparing competent Instrumentation and Control engineers to meet the technological challenges of industries and society.

MISSION OF DEPARTMENT

- To impart quality education in the field of industrial automation to match the needs of industries.
- To encourage multi-disciplinary research and innovative projects.
- To cultivate technocrats and entrepreneurs with professional skills and ethics.



"Envisioning Future, Celebrating Legacy"

ORIENTATION PROGRAM

An orientation program was organized for the welcoming first-year students of L. D. College of Engineering's Instrumentation and Control Engineering Department. The primary objective of this program was to seamlessly integrate new students into the institution by providing essential information and resources. Led by our Head of Department Dr. Manish Thakker, the program spanned approximately 5 hours and included various sessions aimed at building a sense of belonging and fostering positive bonds among students and faculty.



The sessions began with a warm welcome from Dr. Thakker, followed by an overview of LDCE's rules, regulations, clubs, major events, laboratories, and workshops. Subsequently, specific details about the Instrumentation and Control Department were provided, covering curriculum, activities, events, laboratories, clubs, and introductions to faculty members. Students were also informed about research and collaboration opportunities within the department. To recognize excellence, existing

students who excelled in academic or co-curricular activities were felicitated with mementos and certificates from the fund received by Dr. Rashesh Joshi in the loving memory of his daughter late Prof. Kruti Joshi. The program concluded with a college tour, ensuring that new students became familiar with the institution. Overall, the orientation program proved to be an effective tool for welcoming and acclimating new students, providing crucial information, fostering positive relationships, and instilling a sense of belonging.



INTERNATIONAL SOCIETY OF AUTOMATION

On the 9th of August 2023, the ISA, LDCE's sole automation student chapter, organized an interactive session to highlight opportunities within the ISA. Noteworthy speakers included Mr. Jagdish Shukla, an ISA International Board member, and Dr. Chetan Bhatt, recipient of the 2017 ISA Excellence in Education award. Both shared valuable insights on the ISA student chapter.



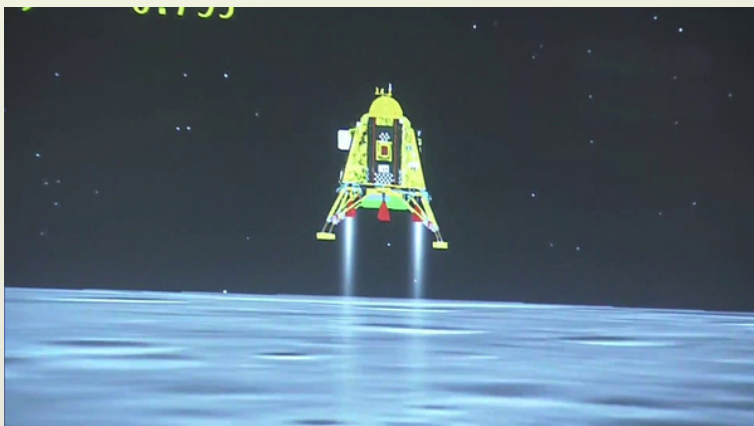
Mr. Shukla, beyond his board role, is recognized for his dedication to advancing automation and control systems globally. His contributions have shaped society and influenced global conversations on automation, setting standards, and fostering cross-border collaboration. His leadership at ISA reflects a passion for leveraging automation to solve industry challenges. The guests, as trailblazers, exemplify a commitment to automation's advancement.

Overall, the knowledge shared by the guests was extremely useful for the students in introducing them to the immense number of opportunities provided by the ISA student chapter of LDCE for a thriving future in the field of automation.



A VIRTUAL EVENT - CHANDRAYAAN 3

On August 23rd, 2023, the Prakalpa Club of LDCE electrified the campus with a live telecast of Chandrayaan 3's launch. Witnessing this historic journey ignited a renewed passion for science and space exploration, leaving everyone mesmerized by the glimpse of possibilities beyond our planet.



"Dream big, work passionately, achieve greatness"

INAUGURATION OF BIS STUDENT CLUB AND AWARENESS ABOUT BIS AND STANDARDS



An insightful event on the orientation of the BIS Club and Standards Writing was conducted at L.D. College of Engineering on December 12, 2023. The program included an offline expert talk aimed at spreading awareness about BIS and standards. The session covered crucial topics such as the importance of BIS, its societal impact, and its role in ensuring product safety.

Attendees gained valuable insights into standard writing techniques and the latest trends in BIS, fostering a deeper understanding and appreciation for their potential positive impact on the world. The interactive session provided participants with practical knowledge and tools to contribute to the field of standards and quality assurance.

INDUSTRIAL AUTOMATION WORKSHOP

Recognizing the pivotal role of industrial automation for Instrumentation and Control Engineers, the Instrumentation and Control Engineering Department at L.D. College of Engineering conducted a focused workshop on August 22, 2023. Sponsored by ALPHA Tech Automation, the session featured expert trainers providing hands-on experience in industrial automation, emphasizing PLC and SCADA systems.

The workshop commenced with an insightful introduction, delving into fundamental concepts and incorporating real-world case studies. Subsequent segments covered key aspects of industrial automation, including PLC, SCADA and related technologies, offering students hands-on experiences and introductory programming.

The interactive question-answer session facilitated student engagement, clarifying doubts and enhancing their understanding. This concise and effective workshop achieved its objective of providing comprehensive training in industrial automation, aligning with the department's commitment to preparing students for the challenges of the modern industry.



"If you're not having fun, you're doing something wrong"

SAHYOG - AN EVENT ON ENGINEERS DAY CELEBRATION

SAHYOG 2023, an event organized by the Instrumentation and Control Engineering department of L.D. College of Engineering on September 16, 2023, marked a significant celebration of Engineer's Day. The event brought together distinguished industrialists and research scientists from reputable organizations such as L&T, and Samyank Instruments, and research centres like IPR. SAHYOG aimed to impart valuable knowledge to all students of the IC department by successfully providing essential insights into their respective fields and fostering personal development.

The event commenced with a prayer and formal introductions of esteemed faculty members and industrialists. Dr. Manish Thakkar, the Head of the Department, delivered a comprehensive overview of SAHYOG, introducing the department and outlining shared growth objectives. Major (Dr.) Chaitanya Sanghvi, the Principal, delivered a motivational address, encouraging students to actively participate in this collaborative endeavor.

Recognizing the presence of industrialists and research scientists, faculty members felicitated them with saplings symbolizing growth and sustainability. The industrialists generously shared their industry expertise and formative experiences, creating an effective channel of communication between students and professionals. Their openness to discuss a variety of topics greatly enriched the educational experience.

The event concluded with industrialists addressing students' inquiries, further enhancing the educational dialogue. The collaboration between students, faculty, and industrialists left a lasting impact on everyone involved. We extend a heartfelt thank you to the industrialists for their invaluable contributions to making SAHYOG 2023 a resounding success. The event's success sets the stage for continued collaboration, growth, and memorable experiences in the future.



INAUGURATION OF COMPUTER FACILITY AND SMART CLASSROOM SUPPORTED BY ALUMNI



The ceremony unfolded at Tagore Hall, commencing with a spiritual prayer that symbolized unity and sought blessings for the initiatives ahead. Dr. Deshpande, Mr. and Mrs. Morakhiya, along with the esteemed guests, participated in the traditional lamp lighting, symbolizing the infusion of light and knowledge into the newly inaugurated spaces. Distinguished alumni Dr. Deshpande and Mr. Yogesh Morakhiya received felicitations for their significant contributions, and recognition was extended to LAA Office Bearers, Principal Dr. C. S. Sanghvi, and HODs of LDCE for their pivotal roles.

The festivities commenced with a soulful prayer. Following this, HOD and Principal Dr. C. S. Sanghvi addressed the audience, accompanied by insights from Dr. Deshpande, Mr. Yogesh Morakhiya, and LAA LDCE bearers on LDCE's educational excellence and centennial vision. Faculties actively contributing to research and laboratory development in the IC department were felicitated, and gratitude was expressed to individuals, alumni, and supporters for their pivotal roles. Following that, the juries and esteemed guests of the event were warmly welcomed during the inaugural ceremony.

In conclusion, the inauguration of smart classrooms and computational laboratories stands as a testament to LDCE's unwavering commitment to educational and research excellence. This achievement is the result of combined efforts from visionary leaders, dedicated faculty, alumni, and supporters. The institution remains steadfast in ensuring the optimal utilization of these facilities for the holistic development of its students.



"If opportunity doesn't knock you, build the door"

CPR TRAINING CAMP

In collaboration with the Indian Red Cross Society, L.D. College of Engineering organized a CPR and first aid training workshop for the Instrumentation and Control Engineering Department on September 15. The workshop aims to equip participants with life-saving skills for emergency situations. Conducted by an experienced instructor, the session covered CPR essentials, symptoms of cardiac arrest, and hands-on practical demonstrations.



FROM L.D. TO SHARK TANK

On September 14, 2023, the L.D. College of Engineering buzzed with entrepreneurial energy as one of its alumni, a Shark Tank success story, returned to inspire the next generation. The aptly named "From L.D. to Shark Tank" seminar was a firecracker of insights and practical advice, as the alumnus shared his journey from the hallowed halls of L.D. to the sustainable business.



IFFCO VISIT

An industrial visit to IFFCO (Indian Farmers Fertilizer Cooperative Limited) took place on September 12, 2023, aiming to provide practical exposure to 46 students and bridge the gap between theory and real-world applications. The visit began with an informative session on IFFCO's global presence and innovative products, including liquid urea. Guided tours covered areas like the Ammonia Control Room, Boiler Control Room, and Packaging Area, offering insights into fertilizer production processes and automation technologies. A Q&A session allowed students to clarify doubts and the visit concluded with a group photo. It was an enriching experience thanks to IFFCO's hospitality and informative presentations.



"Where theory meets reality, and classrooms unfold on the factory floor"

VISIT TO TORRENT POWER

On September 18, 2023, third-year students from the Instrumentation and Control Engineering (IC) department visited the Torrent Power. The day commenced with a focused safety briefing, highlighting the importance of adherence to safety protocols in an industrial setting. Subsequently, Mr. Kartik Aiyar provided essential knowledge through a concise presentation in the Project Room, showcasing key components and valves relevant to the AMGEN (Ahmedabad GEN) plant.



The subsequent phase of the visit involved a meticulous exploration of the F-Section (France Section) of the plant. Divided into groups, students delved into key areas such as the field, boiler, and control room. In the field operations segment, students observed the practical aspects of electricity generation processes, gaining invaluable insights into the plant's operational intricacies.

The focus then shifted to the boiler section, where students received technical insights into the critical role of boilers in converting water into steam, highlighting efficiency and safety considerations. The control room visit showcased real-time monitoring and management, emphasizing the precision required for the seamless operation of a power plant.

We express gratitude to the Torrent Power HR team for their commitment to safety and efficient organization. Special thanks to faculty guides, Prof. (Dr.) T.V. Shah, Prof. H.K. Shastri, Mr. Vishal Patel, and Miss Maya Prajapati, whose support enriched student's learning. This visit deepened their technical understanding of power generation, emphasizing responsibility and safety awareness in an industrial environment. The gained knowledge will undoubtedly contribute to student's academic and professional journeys.

VISIT TO AMUFED DAIRY PLANT

An industrial visit to Amulfed Dairy was held on the 21st of September 2023 for students of semester 5 of the I.C. department. The visit aimed to provide practical insights into the dairy industry and its operations.

Amulfed Dairy, renowned for its association with the Amul brand, warmly welcomed us. The day commenced with an introduction to the dairy's history, objectives, and contributions to the Indian dairy sector through an informative presentation. The highlight of the visit was, a guided tour of the state-of-the-art production facilities, where students observed the entire milk processing cycle, from raw milk collection to the transformation into various dairy products. The precision and efficiency of the machinery impressed us, and students learned about the stringent quality control measures in place to ensure product safety and purity.



The visit also included insights into packaging, distribution systems, and the company's vast network and cold storage facilities.

BLOOD DONATION CAMP

On September 24, 2023, the LDCE led a Blood Donation Camp, partnering with the LAA Student Cell, NSS LDCE, and Indian Red Cross Society. 35 students from Instrumentation and Control Engineering selflessly donated blood, showcasing our commitment to saving lives.



The Indian Red Cross Society acknowledged LDCE's active role by renaming us 'Life Donation College of Engineering.' This recognition reflects our college's dedication to impactful initiatives like Blood Donation Camps.



"If opportunity doesn't knock you, build the door"

INDUSTRIAL VISIT - THE GREEN ENVIRONMENT SERVICES CO-OP SOCIETY LTD.

An industrial visit was organized for the first and second-year students by Lalbhai Dalpatbhai Engineering College-I.C. department. The purpose of the visit was to illuminate the students with the working process of real industry. We were taken to a water treatment plant named "The Green Environment Services Co-op Society Ltd" Situated in Vatva.

The students were headed to the presentation hall of industry where we were enlightened with the information of PLC and SCADA systems installed there. Also, the information regarding the control of the water treatment plant was delivered. It was a huge plant with approx 85 sumps with 420 companies.



M.E. DISSERTATION

| | Name | Title | Guide Name |
|---|-----------------------|--|-------------------|
| 1 | Solanki Hiral Kuvarba | ImaGenius, An Image Processing App using MATLABGUI | Dr. Tejas V. Shah |
| 2 | Shreya Gupta | HYBRID WIND SOLAR POWER TRACKING SYSTEM | Dr. Ankit K. Shah |

TOPPER STUDENTS OF THE DEPARTMENT

| | Sr.No. | Enrollment No. | Name | CPI |
|---------------------------|--------|----------------|-----------------------------------|------|
| SEM-II (2022-2026) | 1 | 220280117065 | SHAH BHAVYA MANISH | 8.23 |
| | 2 | 220280117079 | VEGAD HARDIK BHARATBHAI | 8.10 |
| | 3 | 220280117077 | VAISHVI SHAH | 8.08 |
| SEM-IV (2021-2025) | 1 | 210280117026 | YADAV SANDEEP RAKESH | 9.15 |
| | 2 | 220280117005 | JOSHI PREKSHA NISHITHBHAI | 8.83 |
| | 3 | 210280117050 | CHOKSHI KRISHA DIGANTKUMAR | 8.76 |
| SEM-VI (2020 - 2024) | 1 | 200280117004 | JOSHI BHADRESHKUMAR PANKAJBHAI | 8.55 |
| | 2 | 200280117028 | MISHRA VAIBHAV | 8.38 |
| | 3 | 200280117041 | BHATT KHILVA AJAYKUMAR | 8.37 |
| SEM-VIII (2019 - 2023) | 1 | 190280117027 | MEVADA SMIT JAYENDRABHAI | 9.19 |
| | 2 | 190280117035 | PANCHAL KHYATI SNEHALBHAI | 9.07 |
| | 3 | 190280117057 | PATNAIK DEEPANKAR | 8.99 |

INTERNATIONAL CONFERENCE PRESENTATION

- Prof. Chandni V. Shah, Dr. Shriji V. Gandhi, and Dr. Manish T. Thakker have presented a paper at an international conference on "Internet of Things and Sensor Application in Theft Detection and Crime Mitigation" at Forensic University dated 16-17 Sept 2023.
- Dr. Manish Thakker and Dr. Shriji Gandhi also presented a paper ADVANCED LOW-COST FACE DETECTION SYSTEM FOR FORENSIC APPLICATIONS at Forensic University dated 16-17 Sept 2023.



RESEARCH PAPER PUBLICATIONS

- Dr. Ankit Shah and Dr. Vandana Patel published a paper titled 'Design and Implementation of Low Power FPGA-based optimal multiband filter with Spline Function for Denoising ECG signals' in Computer Methods in Biomechanics and Biomedical Engineering International Journal.
- Dr. Tejas Shah has presented a paper "Predicting weather forecast uncertainty based on large ensemble of Deep Learning approach" in international conference ICSSAS 2023 and it has been published in proceedings of IEEE Explore July 2023
- Dr. Tejas Shah has published paper "statistical analysis of particulate matter over an urban area, India" in Scopus indexed journal of Harbin Engineering University December 2023

"Simplicity is the soul of efficiency"

PHD DEGREE AWARD TO DEPARTMENT FACULTIES

- Dr. Manisha Patel has completed her Ph.D. in "Integrated Framework for Pose Estimation using Artificial Intelligence Techniques". Her Ph.D. research delves into the intersection of technology and holistic wellness, focusing on Deep Learning Pose Estimation for Yoga. Overcoming challenges in body movement analysis, the study offers advanced algorithms to enhance posture correction, providing real-time personalized feedback. This innovative integration of ancient practices with cutting-edge technology promises to revolutionize the way we approach yoga for improved physical and mental well-being.



- Dr. Vandana Patel has completed her Ph.D. in "Enhanced Design Digital Filter and its Implementation on FPGA". Digital filters play a crucial role in biomedical signal processing, addressing challenges in electrocardiogram (ECG) signal analysis. This research proposes adaptive and multiband FIR filter designs to combat noise interference in ECG signals using Least Means Square (LMS) algorithms. Implementation of the digital filter is carried out on an Artix-7-XC7A35T Edge board FPGA. Comparative analysis using MATLAB and XILINX VIVADO tools assesses performance parameters, resource utilization, and power consumption, providing insights into the efficacy of these FIR filter designs for biomedical signal processing.



PHD COMPLETION UNDER THE GUIDANCE OF THE DEPARTMENT FACULTIES



- Dr. Ankit K. Shah guided Prof. Vandana V. Patel to achieve a significant milestone in his academic journey On 8/9/2023, by completing her PhD viva-voce. The research topic was "Enhanced design digital filter and its implementation on FPGA."



- Dr. Tejas V. Shah guided Prof. CHAUHAN RAHULSINH BHUPENDRASINH achieved a significant milestone in his academic journey, by successfully completing his PhD viva-voce. The research topic was "Digital Dental Diagnosis from Combination of Radiographs and Symptoms"

FACULTY ACHIEVEMENTS- MEDIA COVERAGE AND FELICITATION OF FACULTY AND STAFF

- Media Coverage of research carried out at IC Department under the guidance of Prof. (Dr.) Manish Thakker and Prof. Harsh Shastri.



- Dr. Manish Thakker and Prof Harsh Thakker have completed a minor research project funded by GTU under the Research Promotion Scheme with a grant of Rs. 45,000

"If opportunity doesn't knock you, build the door"

FACULTY ACTIVITIES

Department faculties were presented with appreciation certificates during the inauguration function of alumni-supported Laboratories:

- Dr. T.V. Shah and Dr. Ankit Shah were appreciated for guiding PhD students, and Dr. Manisha Patel and Dr. Vandana Patel were felicitated for completing their Ph.D.s, Shri. Vishal Patel was felicitated with an appreciation certificate for his Contribution to an alumni-supported lab development project at the department.



- Department faculties Prof Manish Thakker, Prof Harsh Shastri, Prof Vandana Patel and PG students visited Rice Hydroponics & interacted with Rice Hydroponics R & D Officers.



"Simplicity is the soul of efficiency"

FACULTY ACTIVITIES

- Along with teaching and research department faculty Prof. Harsh Shastri contributing to social services by providing medical support to animals. Recently he participated in "गधर्भ प्राथमिक सारवार तथा रसीकरण शिबीर" organized by 4leg Rescue Foundation at Pavagadh for Vaccination and betterment of Donkeys, and showed us kindness towards animals.



- Departmental Faculties and Students attended Pre Vibrant Event the Startup Conclave at Helipad, Gandhinagar on 7th December 2023 and interacted with LDCE startups and other incubation startups of Gujarat.



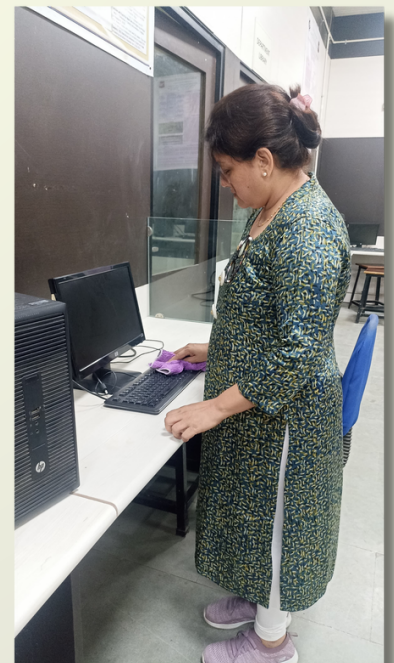
- From Instrumentation and Control Engineering department UG students with their faculty mentor visited SemiconIndia 2023. With the motto to explore about semiconductor manufacturing in India and also to grab the practical knowledge of some basic Instruments

"Innovation is the outcome of habit, not a random act "

FACULTY TRAINING PROGRAM

| SR. NO | TITLE | NAME OF FACULTY | ORGANIZED BY | DURATION |
|--------|--|---------------------------------------|------------------|---------------------|
| 1 | EMERGING TRENDS AND PRACTICES IN THE OPTIMIZATION & SUSTAINABLE TECHNOLOGY | PROF.V.V.PATEL PROF. H. K. SHASTRI | NITTTR AHMEDABAD | 20/11/23 TO 1/12/23 |
| 2 | LINEAR SYSTEMS THEORY | DR. A.K.SHAH | NPTEL-AICTE | OCTOBER 2023 |

SAFAI DRIVE



On 26th of October, 2023, I.C. department of L.D. College of Engineering organized 'Safai Drive'. The drive wasn't just cleaning; it was a ripple of change. Every gleam reflected a commitment to well-being, reminding us that small actions, united, shape a brighter future both within and beyond our walls.

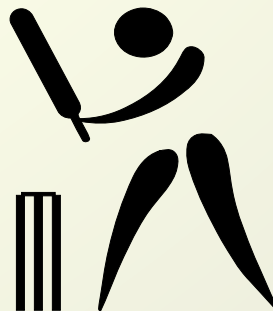
"Success is not an activity but a process"

STUDENT'S ACHIEVEMENTS

- IC department students Aum Soni, Rajput Ankur and Prajapati Kartik along with their team Participated at Cozmoclench, which is an international level Tech fest organized by IIT Bombay. They qualified for Zonal round.



- Krushi Mistry, Student of 5th Semester, Selected in Women's Cricket Team of GTU. This team is going to represent GTU at National Level Cricket Tournaments.



- Student of semester 5, Vaibhav Mishra clinched the gold medal in both Wrestling and Judo at the Interzonal Championship, dominating the 79 kg category in Navsari and conquering the 82 kg division in Vadodara. Adding to his impressive collection, Vaibhav secured a silver medal at the State Level Senior Wrestling Championship, showcasing his process in the 79 kg weight class in Nadiad.



INTERNSHIP DETAILS OF BATCH 2024

| SR. NO. | ENROLLMENT NO. | STUDENT NAME | NAME OF COMPANY |
|---------|----------------|--------------------------------------|---|
| 1 | 200280117001 | AVINASHKUMAR VISHNUBHAI PRAJAPATI | PRANAV CHEMICALS |
| 2 | 200280117002 | SUTHAR ABHAY ASHOKKUMAR | IFFCO |
| 3 | 200280117003 | SOLANKI YAGNIK JAGDISHBHAI | CR 3 RELIANCE |
| 4 | 200280117004 | JOSHI BHADRESHKUMAR PANKAJBHAI | ONGC, HAZIRA PLANT, SURAT |
| 5 | 200280117005 | SAMIR SINGH | NAYARA ENERGY, VADINAR, JAMNAGAR |
| 6 | 200280117007 | POOJA JAYESH DAVE | SIEMENS ENERGY |
| 7 | 200280117008 | YADAV NIKHIL RAISINGH | SIEMENS ENERGY LTD., VADODARA |
| 8 | 200280117010 | PATEL HARSHILKUMAR DIPAKBHAI | GNFC |
| 9 | 200280117011 | PATEL DARSHKUMAR ALPESHKUMAR | PRANAV CHEMICALS |
| 10 | 200280117012 | PATEL JEEL ANILKUMAR | ONGC |
| 11 | 200280117013 | BHALODIYA SMEET SHANTILAL | BANAS DAIRY, PALANPUR |
| 12 | 200280117015 | JESADIYA YASHKUMAR DHIRAJLAL | INDIAN SWITCHGEARS |
| 13 | 200280117016 | PATEL JINIL SUBHASHCHANDRA | GUJARAT NARMADA VALLEY FERTILZERS & CHEMICALS LIMITED (GNFC) |
| 14 | 200280117017 | DALWADI HARSH RAVINDRAKUMAR | ONGC, HAZIRA PLANT, SURAT |
| 15 | 200280117019 | PATEL VICKYKUMAR HARISHBHAI | GNFC |
| 16 | 200280117020 | ABHINAV K | ALPHATECH AUTOMATION |

| SR. NO. | ENROLLMENT NO. | STUDENT NAME | NAME OF COMPANY |
|---------|----------------|--------------------------------|--|
| 17 | 200280117021 | DEVAM DEEPAK BHATT | N N Control |
| 18 | 200280117022 | ARPIT PATEL | N N Control |
| 19 | 200280117023 | JAIN VIREN ANIL | IFFCO |
| 20 | 200280117026 | BHAUTIK MAHESHBHAI PATEL | ATUL LTD. |
| 21 | 200280117027 | SUDANI NILKANTH MANSUKHBHAI | GPPC, PIPAVAV PORT |
| 22 | 200280117028 | Mishra Vaibhav L | IFFCO, KALOL UNIT |
| 23 | 200280117029 | NANDINI BHAVESHBHAI SAGAR | IFFCO, KALOL UNIT |
| 24 | 200280117030 | PARMAR JAYESH KESHUBHAI | CESS AUTOMATION |
| 25 | 200280117031 | RAJVI BHARATBHAI BHARODIYA | ONGC, HAZIRA PLANT, SURAT |
| 26 | 200280117032 | JEETSINH KHENGAR | (GNFC) GUJARAT NARMADA VALLEY FERTILIZERS & CHEMICALS LIMITED |
| 27 | 200280117033 | POOJAN A BHAVSAR | DUDHSAGAR DAIRY (MEHSANA DISTRICT CO- OPERATIVE MILK PRODUCERS' UNION LIMITED) |
| 28 | 200280117034 | KANTHARIYA SRUJAL DIPAKBHAI | ALPHATECH AUTOMATION |
| 29 | 200280117035 | PATIL MAHESH AASARAM | VISCON AUTOMATION |
| 30 | 200280117037 | MISHRA TARUN DIVAKAR | IFFCO, KALOL UNIT |
| 31 | 200280117038 | ASHIRVAD DWIVEDI | ONGC, HAZIRA PLANT, SURAT |
| 32 | 200280117039 | KADIA HIT SHAILESHKUMAR | IFFCO |

| SR. NO. | ENROLLMENT NO. | STUDENT NAME | NAME OF COMPANY |
|---------|----------------|--|--|
| 33 | 200280117040 | PATEL ABHI HARISHBHAI | GNFC |
| 34 | 200280117041 | KHILVA AJAYKUMAR BHATT | DUDHSAGAR DAIRY (MEHSANA DISTRICT CO- OPERATIVE MILK PRODUCERS' UNION LIMITED) |
| 35 | 200280117042 | PATOLIYA AKSHAR RAJESHBHAI | VISCON AUTOMATION |
| 36 | 200280117043 | VAGHELA BHAVIN GHANSHYAMBHAI | PRANAV CHEMICALS |
| 37 | 200280117044 | KHAMAL UDAY VINODKUMAR | ATUL LTD. |
| 38 | 200280117045 | MANSURI MOHAMMAD FAIZAN MOHAMMAD ARIF | VISCON AUTOMATION |
| 39 | 200280117046 | ANJALI JHA | AXIS SOLUTIONS PVT. LTD. |
| 40 | 200280117047 | GAJJAR VAIBHAV BHARATBHAI | STREAMLINE CONTROLS PVT,AHEMDABAD |
| 41 | 200280117048 | PARMAR PRAFUL ASHWINBHAI | NAYARA ENERGY LIMITED |
| 42 | 200280117049 | RAJPUT SAHILSINH KHENGARJI | HEAVY METAL & TUBES PVT LTD. |
| 43 | 200280117050 | SUTHAR NEELKUMAR BHARGAVKUMAR | IROTECH SYSTEMS |
| 44 | 200280117051 | JAY R KAPADIYA | VISCON AUTOMATION |
| 45 | 200280117052 | VISHA HIREN JOSHI | DIVYANSH INDUSTRIES |
| 46 | 200280117053 | TALREJA RINKI SURESHBHAI | ALPHATECH AUTOMATION |
| 47 | 200280117055 | PATEL YUG HITESHKUMAR | ONGC,HAZIRA PLANT,SURAT |
| 48 | 200280117056 | DABHI MAYUR DAYABHAI | AVADH PLAST |

| SR. NO. | ENROLLMENT NO. | STUDENT NAME | NAME OF COMPANY |
|---------|----------------|--------------------------------------|------------------------------|
| 49 | 200280117057 | SUTHAR SUJALKUMAR GAUTAMBHAI | BANAS DAIRY PALANPUR |
| 50 | 200280117058 | PRAJAPATI ARAVKUMAR SURESHBHA | BANAS DAIRY PALANPUR |
| 51 | 200280117059 | PATEL ARYAN VASANTBHAI | SIEMENS LTD |
| 52 | 200280117060 | PATEL VIREN | GSFC, VADODARA |
| 53 | 200280117061 | NAKUM PIYUSH RANMALBHAI | NAYARA ENERGY |
| 54 | 200280117062 | RAJ AJUDIA | NEW PERFECT INCORPORATION |
| 55 | 200280117063 | VAGHELA ALPESH RAKESHKUMAR | HEALYNC SOLUTION PVT LTD |
| 56 | 200280117064 | GOHIL JENISH DINESHBHAI | BANAS DAIRY PALANPUR |
| 57 | 200280117065 | PATANI VINAY PRAKASH BHAI | ONGC |
| 58 | 200280117066 | PATEL DHRUV JAYESHKUMAR | RELIANCE INDUSTRIES LTD. |
| 59 | 200280117067 | MISTRY DEEP ASHOKKUMAR | AARTI PHARMALABS LTD. |
| 60 | 200280117068 | PATEL HETKUMAR | SARAL CONTROL |
| 61 | 200280117069 | PRAJAPATI SIYABEN JAGADISHBHAI | IFFCO |
| 62 | 210280117501 | DODIYA KRUNAL ANILBHAI | NIRMA LTD. |
| 63 | 210280117502 | JASMEET SINGH | ONGC |
| 64 | 210280117503 | PARMAR MAYUR | SYSTEM ENGINEERS |
| 65 | 210280117504 | CHAMPAVAT VIRPALSINH MAHENDRASINH | IFFCO KALOL |

| SR. NO. | ENROLLMENT NO. | STUDENT NAME | NAME OF COMPANY |
|---------|----------------|---------------------------------|-----------------------------------|
| 66 | 210280117505 | KOLADIYA JAYMIN ALKESHBHAI | IFFCO KALOL |
| 67 | 210280117506 | PATEL VEDKUMAR AJITKUMAR | IOCL, WESTERN REGION PIPELINES |
| 68 | 210280117507 | PATEL NARESHKUMAR SURESHBHAI | RB AUTOMATION |
| 69 | 210280117508 | DHAVDE YASH DEVENDRABHAI | KCI |
| 70 | 210280117509 | BHATT PARTH ASHISHKUMAR | PRIMA AUTOMATION PVT LTD |
| 71 | 210280117510 | MASKE PRATHAM RAJESH | PROJI SYSTEMS AND TECHNOLOGY |
| 72 | 210280117511 | SHAH JAINAM RUPESHKUMAR | IFFCO KALOL |
| 73 | 210280117512 | KULKARNI HARSHALI TUSHARBHAI | PROJI SYSTEMS AND TECHNOLOGY |
| 74 | 210280117513 | DESAI RAHIL JAY | INSIGHT TECHNOLOGIES |
| 75 | 210280117514 | NAKRANI NEELKUMAR KAMALKUMAR | IFFCO KALOL |
| 76 | 210280117515 | KANZARIYA VATSAL ANILKUMAR | SUCCESS TECHNOLOGIES |
| 77 | 210280117516 | SATHAVARA JAY NARAENDRABHAI | IFFCO KALOL |
| 78 | 190280117056 | PATEL YASHKUMAR MUKESHBHAI | HLE GLASCOAT LIMITED |

PLACEMENT DETAILS OF BATCH 2024

| SR. NO. | ENROLLMENT NO. | STUDENT NAME | NAME OF EMPLOYER |
|---------|----------------|-----------------------------------|------------------|
| 1 | 200280117046 | ANJALI SANJEEVKUMAR JHA | WORLEY |
| 2 | 200280117004 | JOSHI BHADRESHKUMAR PANKAJBHAI | AIR PRODUCTS |
| 3 | 200280117010 | PATEL HARSHILKUMAR DIPAKBHAI | AIR PRODUCTS |
| 4 | 200280117037 | MISHRA TARUN DIVAKAR | AIR PRODUCTS |
| 5 | 210280117512 | KULKARNI HARSHALI TUSHARBHAI | WELSPUN |
| 6 | 200280117055 | PATEL YUG HITESHKUMAR | AARTI INDUSTRIES |
| 7 | 200280117011 | PATEL DARSHKUMAR ALPESHKUMAR | AARTI INDUSTRIES |
| 8 | 200280117012 | PATEL JEEL ANILKUMAR | AARTI INDUSTRIES |
| 9 | 200280117017 | DALWADI HARSH RAVINDRAKUMAR | AARTI INDUSTRIES |
| 10 | 200280117005 | SINGH SAMIR GIRIJA PRASAD | AARTI INDUSTRIES |
| 11 | 210280117501 | DODIYA KRUNA ANILBHAI | AARTI INDUSTRIES |
| 12 | 200280117040 | PATEL ABHI HARISHBHAI | TORRENT POWER |
| 13 | 200280117016 | PATEL JINIL SUBHASHCHANDRA | ATUL LTD. |
| 14 | 210280117513 | DESAI RAHIL JAY | ATUL LTD. |
| 15 | 200280117039 | KADIA HIT SHAILESHKUMAR | ATUL LTD. |
| 16 | 200280117061 | NAKUM PIYUSH RANMALBHAI | ATUL LTD. |
| 17 | 200280117015 | JESADIYA YASHKUMAR DHIRAJLAL | ACADEMOR |

| | | | |
|----|--------------|---------------------------|---------------|
| 18 | 200280117021 | DEVAM DEEPAK BHATT | ACADEMOR |
| 19 | 200280117028 | MISHRA VAIBHAV L | ACADEMOR |
| 20 | 200280117038 | DWIVEDI ASHIRVAD SANTARAM | ACADEMOR |
| 21 | 200280117044 | KHAMAL UDAY VINODKUMAR | ACADEMOR |
| 22 | 200280117059 | PATEL ARYAN VASANTBHAI | PI INDUSTRIES |
| 23 | 210280117510 | MASKE PRATHAM RAJESH | PI INDUSTRIES |

MAJOR RECRUITERS



"Believe you can and you're halfway there"



(I.C. Department faculties and students during Alumni meet)

DEPARTMENTAL FACULTIES

| | |
|---------------------|--|
| Head Of Department | Prof. (Dr.) Manish Thakker |
| Associate Professor | Prof. (Dr.) T.V. Shah, Prof. V.P. Patel, Prof. (Dr.) D.H. Makwana |
| Assistant Professor | Prof. (Dr.) M.C. Patel, Prof. (Dr.) V.V. Patel, Prof. (Dr.) A.K. Shah, Prof. H.K. Shastri, Prof. L.S. Patel, Prof. D.V. Raninga, Prof. C.V. Shah, Prof. U.G. Suhagiya, Prof. N.A. Kanani |
| Lab Assistant | Mr. V.A. Patel, Miss M.A. Prajapati |

EDITORIAL TEAM



Prof. (Dr.) Manish Thakker



Prof. Nidhi Kanani



Prof. (Dr.) Manisha Patel



Dev Damani



Dhruvraj Vansia



Sai Teja



Parth Suthar



Vivek Gajam

"Together we can, together we will"

DISTINGUISH ALUMNI PROFILE

Late Dr. Mandakiniben Swapan Majumdar (Deshpande) has bequeathed large amount (Rs. 50 lac) at LD College of Engineering. This gesture of hers reflects her sincere attempt aimed at "repaying her debt to her alma matter", thereby fulfilling one of the purposes of her life. Dr. Mandakini completed her B.E. from LDCE in Civil Engineering at LDCE in 1967 and went to USA for pursuing Masters Degree (M.S.) and Ph.D. (Doctorate) at University of Wisconsin. Upon her return to India, she, along with her illustrious husband Dr. Swapan Majumdar, joined the faculty of IIT - Kharagpur as professor in Civil Engg. Dept. Dr. Mandkini was pioneer as the first woman engineer to serve as a professor at IIT Kharagpur. She has also written a number of textbooks for Civil Engg. and was very popular among the students.



[Late Dr. Mandakiniben S. Majumdar Deshpande]

Apart from this, she has also initiated the very idea of setting up "Engineering Museum" at IIT & also actively participated in organizing it. Today, this museum has become center of attraction for the large number of people visiting the IIT, especially the students. Department of Instrumentation and Control Engineering and Mechanical Engineering indebted to Dr. Mandakini and Dr. Swapan Majumdar for the generous donation at LDCE



" Technology is a useful servant but a dangerous master"