



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

INSTRU FLASH

**Departmental Newsletter
Volume 9.0
July 2022 - December 2022**

PRINCIPAL'S MESSAGE

Dear Students and Faculty Members,

This year marks a very special occasion - the 75th year of the establishment of L.D. College of Engineering and we are proud to be part of such a rich and storied history. It is a testament to the dedication and hard work of those who have come before us. I am particularly proud to announce the recently concluded Global Alumni Convention-2023 which was a resounding success. The Convention brought alumni from around the world back to the college, and it was a heart warming sight to see the camaraderie and sense of community that was on display. The event provided an opportunity for alumni to reconnect with their alma mater and share their experiences with current students and faculties.



Global Alumni Convention-2023 was a 3 days event held from 6th January, 2023 to 8th January, 2023 at L.D. College of Engineering. It was inaugurated in the august presence of Honourable CM of Gujarat, Shri Bhupendrabhai Patel, invited dignities and students. The college was honoured to receive congratulatory messages from Hon. Prime Minister Shri. Narendra Modi, Hon. vice President Shri. Venkaish Naidu and the Home Minister Shri. Amit Shah, who acknowledged the integral role that the institution has played in the progression of engineering education. During the event, attendees discussed the future vision of the college under the banner of LDCE@100. This initiative aims to ensure that the college continues to provide students with the best possible education and prepares them for the challenges of the future. Throughout the three days of the Global Alumni Convention, a series of talks were organized to provide a platform for alumni, current students, and faculty to engage in meaningful discourse. In order to add festive occasion to this event, talent evening and musical night was organized.

The Instrumentation and Control department has also been very active in organizing a variety of events and initiatives that provide students with the knowledge and skills they need to succeed in their careers. Department had organized several department-specific sessions, including Sahyog-2022, an expert talk on solutions to reduce non-revenue water loss, and Design Your Destiny. Industrial visit to Mudra Port provided students with hands-on experience and exposure to real-world applications of their knowledge. Furthermore, the department held a workshop on embedded systems, which allowed attendees to expand their technical skills and gain practical knowledge in this important area of study. I would like to commend the department for organizing such a valuable learning experience for our students.

I encourage everyone to continue their hard work with passion and commitment, and I look forward to seeing the results of our collective efforts for continued growth and success of college and department.

Best Wishes,

Dr. R K Gajjar

Principal

L D College of Engineering, Ahmedabad

HEAD OF DEPARTMENT'S MESSAGE

With immense pleasure, I am presenting the 9th volume of INSTRUFLASH – the departmental newsletter of our Instrumentation and Control Engineering department. Our department has been coming up with a new edition of the departmental newsletter over the years providing the students as well as the faculty members a great platform to showcase their achievements. It has also played a crucial role in presenting before everyone the various activities and events that are happening in our department and also the development our department has undergone under the guidance of Dr. R. K. Gajjar – Principal, LDCE.



With great enthusiasm, LDCE celebrated 75 years of its excellence, our alumni being the testimonials, who have been creating their very own success stories. The celebrations began with the Global Alumni Convention as a part of which a good number of alumni of the department visited the department.

This edition of our newsletter highlights the events and the 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 meet Sahyog-2022 has been a great opportunity in strengthening the industry-institute association. The students of the department have also participated in the Azadi ka Amrit Mahotsav Hackathon and have given an exemplary performance.

Apart from all the various programs, the Adani Mundra Industry visit has been a great learning opportunity for the students to have a practical learning experience in the industries.

The newsletter also felicitates meritorious students of the department in the different semesters. It also acknowledges the innovations and the patents filed by the students of the department 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.

I take this opportunity to congratulate our enthusiastic faculty Prof. M. C. Patel and Prof. N. A. Kanani, the faculty editors, along with the students' editorial team for their conducive effort in bringing up this newsletter. I hope that the readers will enjoy the various activities covered in the newsletter.

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

VISION OF INSTITUTE

- To contribute for sustainable development of nation through achieving excellence in technical education and research while facilitating 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 teaching-learning process.
- To create a conducive research ambience that drives innovation and nurtures research-oriented scholars and outstanding professionals.
- To collaborate with other academic & research institutes as well as industries in order 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 practise and encourage high standards of professional ethics, transparency and accountability.

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 the 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.

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ORIENTATION PROGRAM

An orientation program was conducted for the first-year students of the Instrumentation and Control department of L.D. College of Engineering. The purpose of the program was to familiarize the new students with the department, college, and the resources available to them.

The program began with a welcome address by the Head of the Department, Dr. Manish Thakker, who provided an overview of the department and the curriculum. He also highlighted the opportunities available for students to participate in research and industry collaborations.

Next, the students were introduced to the faculty members of the department and were given a tour of the department's facilities and labs. The students were also informed about the various student clubs and societies in the college, as well as the opportunities for internships and co-op programs.

The program concluded with a question and answer session, where the students were able to ask questions and clarify any doubts they had about the department or college.

Overall, the orientation program was successful in providing the new students all the information and resources they need to have a successful academic experience in the Instrumentation and Control department at LD College of Engineering.



ISA ORIENTATION PROGRAM 2022

“Orientation Programme 2022” of ISA Student chapter was organised by ISA student section LDCE in association with the Department of Instrumentation and Control, L.D. College of Engineering at Tagore hall on 10th of December, 2022. The program aimed to involve and encourage the students of 1st year and 2nd year of UG of LDCE to explore and contribute to the chapter.

More than 80 students of 1st and 2nd year of Instrumentation and Control Engineering department attended the event. Following this, the discussion was carried out explaining various opportunities for students in this chapter by Prof. H.K. Shashtri, faculty coordinator of ISA.

The session was started with an introduction of ISA. There, the student coordinator shared the vision, mission and values of ISA. Moreover he explained the growth and current strength of ISA. Further, he explained the benefits and opportunities available to a student member of ISA student chapter. Thereafter, the head of department Dr. Manish T. Thakker who is also faculty advisor of the chapter has addressed the programme to guide the students about ISA. The presentation shared various benefits of ISA such as industry reach and awareness, member development and engagement in ISA, the technical publication and certification programs, the leadership and business development opportunity by joining ISA. The attendees are then taken through the various technical divisions of ISA. This was followed by Scholarship programs of individual technical divisions which is the most important and career shaping opportunity for an ISA student member.

Lastly, the program was concluded in interactive manner by playing games and QnA.



EXPERT TALK ON EFFECTIVE SOLUTIONS TO REDUCE NON-REVENUE WATER LOSS:

An expert interactive talk on Effective IoT- based Solutions to Reduce Non-Revenue Water Losses by Mr. Aakash Bhatti from Arion Tech Sol Pvt Ltd. was organized by Dr. (Prof.) D.H. Makwana on behalf of IC Dept. LDCE under the celebration of the Climate Change Youth Outreach Program.

We all know the Value of Water and how much we need to conserve water for our climate and environment. Mr. Aakash Bhatti and his team established their company in 2016 with their start-up products, which help to continuously monitor water level, distribution, and the flow of water on the IoT platform.



During the expert talk, three IoT-based models working on LoRa (Low Radiation) System were introduced to the students which are being used for monitoring and controlling the water in water tanks of higher capacity. They are:

1. Level Monitoring System: This system measures the water level of the tank.
2. Pump Monitoring System: This system helps in monitoring the condition of the Motor/Pump and also shows us the condition of the motor/pump.
3. Flow Monitoring System: This system controls the valve of the motor/pump used in a water tank.

As the need for water conservation is increasing, one should keep a check on the water which is being wasted. In such conditions, these devices can work well and eventually helps to reduce Non-Revenue Water Losses.

Dr. (Prof.) D.H. Makwana concluded the session with a vote of thanks and Prof. Nidhi Kanani presented a memento to the expert.



ADANI, MUNDRA INDUSTRY VISIT

The two-day visit to the Adani Mundra industrial facility was sponsored by Adani Foundation. The visit was organized to provide students with hands-on experience in a real-world industrial setting. 75 students along with 5 faculty members of the Instrumentation and Control department of LD College of Engineering visited there. This visit was managed by students Yug Patel and Harsh Dalwadi in coordination with Mr. Vishal Patel, Prof. H. K. Shastri and Dr. Manish Thakker.



On the first day of the visit, the students and faculty were given a tour of the facility by the Adani Mundra management team. They were introduced to the various departments and operations of the facility, including the control room, power generation, and transmission systems. The students were able to see firsthand the application of the principles and technologies they have learned in the classroom.



“Envisioning Future, Celebrating Legacy”

On the second day, the students participated in a series of workshops and interactive sessions. It was followed by visit to the power plant which helped students with better insights on how a power plant works. These sessions were led by Adani Mundra engineers and technicians, who provided detailed explanations of the various systems and equipment used in the facility. The students were also given the opportunity to ask questions and discuss the topics with the engineers. The faculty members also had the opportunity to engage in discussions with the Adani Mundra management team about potential research and industry collaboration opportunities.



Overall, the visit was a valuable learning experience for the students and faculty. It provided them with a deeper understanding of the practical applications of their field, and the opportunity to see the latest technologies and practices used in industry. The students also felt they got the opportunity to network with professionals in their field and the trip was well-organized and informative.



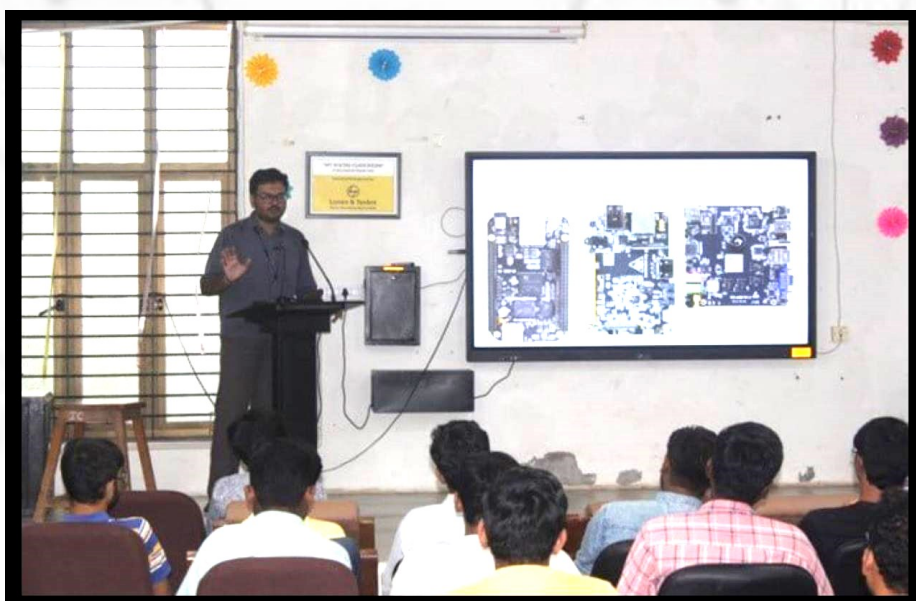
The college and the department would like to express their gratitude to the Adani Foundation for sponsoring the trip and to the Adani Mundra management team for their hospitality and support.

HANDS ON WORKSHOP ON BLENDED LEARNING APPROACH USING EMBEDDED SYSTEMS AND ITS APPLICATIONS

A five-day hands-on workshop on blended learning approach using Embedded Systems and its applications was organized by the ISA student section of LDCE in association with Instrumentation and Control Engineering Department. It was sponsored by Gujarat Council on Science and Technology. The program was aimed to correlate fundamental knowledge of embedded system and its applications. Under the coordination of Dr. T.V.Shah and Dr. A.K.Shah, the workshop was conducted successfully under the esteemed presence of Dr. Ketan Badgajar- In charge principal, Dr. Manish Thakker- HOD IC Department, Mr. Akash Patel- Co-founder ACDC Tech, Surat and Mr. Tejas Turkiya- Research fellow ISRO, Ahmedabad.

Day 1:

The program kick started with the basics of Microcontroller. The students were made familiar with Arduino. Various development boards of Arduino were explained along with GPIO and hands on GPIO Programs.



Day 2:

On the next day, workshop began with an introduction to python and the python coding required for Raspbian OS. Besides this, students were explained regarding NodeMCU and applications. There they learnt how to interface this with other devices.

Day 3:

The third day of the workshop began with working on Arduino followed by performing small practical based on Arduino and GPIO. They were taught about simulating programs and interfacing in Proteus software simulation. Pin diagram of the actual controller pin with pins of Arduino was discussed. Introduction to IoT with Its application, IoT Networking, Layers of IoT and Embedded Systems was given to the students. Moreover, the students were also introduced to Raspberry Pi 3.



Day 4:

During the day four of the workshop, students were taught the steps to boot OS in Raspberry Pi along with the method to run Raspberry Pi on Projector and the installation of Raspbian OS. Along with this, the students were familiarized with I2C and SPI protocol. They were also taught about the applications and the devices by which they could use IoT along with Raspberry Pi.



Day 5:

An awareness about NodeMCU and its applications in industries was provided. The workshop was concluded with various innovative ideas shared by the students. Last but not least, in a valedictory session, all the participants and coordinators were awarded with certificates by Guest of Honour- Subhash Ghelani, President of LAA.



SAHYOG – 2022

The industry- academia collaboration meet SAHYOG-2022 as held on 17th September, 2022 with the prime objective of strengthening the industry- institute association and to come up with ideas to bridge the existing gaps between the Instrumentation and Control Engineering department and the industry. The bilateral working between the industry and academia aims at improving the efficiency and the productivity of academic delivery.



The event was facilitated by the Head of IC department Dr. M. T. Thakker and the faculty members of the department. 11 guests from various industries attended the meet- each of them bringing with them a diversity of experience in domains like research, automation, trade and entrepreneurship. The meet was also graced with the presence of the Principal of LDCE Dr. Rajul Gajjar.

The key agendas that were discussed in the meet were as follows: -

- ☐ CSR funding for lab development and maintenance
- ☐ Strengthen the Industry-Academia interface and connection
- ☐ Active industrial support to the students for projects, internships and industrial visits
- ☐ Consultancy for various industrial projects
- ☐ Bidirectional exchange of latest technological advancements through webinars, seminars, workshops etc.
- ☐ Supporting industry personnel to upgrade their qualifications and skills in the field of education and training



“Envisioning Future, Celebrating Legacy”

DESIGN YOUR DESTINY

Apart from the multiple academic workshops and sessions that are held in our department, the students are also given an exposure to several sessions that help in their overall development helping them deal with various situations they may encounter in their lives.

One such session was the DESIGN YOUR DESTINY workshop. This has been a very beneficial

workshop where the students were explained about how an individual is responsible for their building up their own future. The importance of positive affirmations that can commendably influence one's life was explained in the session.

The session concluded with a thanksgiving to the speakers and the students sharing their learnings from this very informative session.



“Envisioning Future, Celebrating Legacy”

Revolutionary Changes in Industrial Automation Post COVID-19

Understanding the importance of control system, role of control system engineer and futuristic trends in field of advance control systems, webinar on “Revolutionary Changes in Industrial Automation Post COVID-19” was held by ISA student section LDCE in association with the Department of Instrumentation and Control, L.D. College of Engineering on Google meet platform on 1st October, 2022. This webinar was designed to provide an overview of the controller and its role in Industrial 4.0 applications.

More than 100 students from Instrumentation and Control engineering Department and Electronics and Communication department of LDCE had attended the webinar. The webinar was conducted by Mr. Jaimeen Chatrawala, an alumnus of Nirma university with M.E. in control and automation, who has an extensive experience of more than 8 years in industrial automation. The Webinar was hosted by Kushdipsingh Dadiyala, Treasurer, ISA LDCE. Following this, Gaurav Mishra – President of ISA LDCE gave the welcome message to all the attendees followed by brief introduction about speaker.

The session was initiated by Mr. Chatrawala where he shared his experience as a control system engineer. Further, he guided the students through various career opportunities in this field. After sharing the current industry scenario discussing industry 4.0, he briefly discussed about the PID controller project using raspberry PI. The second half was open for the live Q&A in which students interacted with the speaker about their queries.

Finally, the session was concluded with summing up all the possible opportunities for an engineering student and answering all the queries of attendees.



Azadi Ka Amrit Mahotsav — Hackathon 2022

The National level Hackathon, Azadi ka Amrit Mohotsav, was held on 7th and 8th October, which brought together teams from across the country to compete and showcase their innovative ideas and projects. Four teams from IC department, LD College of Engineering participated in the event

Team 1 had a project on Garbage Monitoring System using IOT and following are the members: Dev Damani, Dhruvraj Vansia, Sanyam Patel, Disha Kapadia, Vishwa Patel.

Team 2 had a project on R & D on Green Hydrogen as a fuel and following are the members: Sanket Rana, Muhammed Patel, Parth Suthar, Vivek Gajam, Rut Patel, Harshil Solanki, Nisarg Morkar.

Team 3 had a project on cleaning of solar panels with less water requirement and following are the team members: Vedkumar Ajitkumar Patel, Dhavde Yash Devedrabhai, Bhatt Parth Ashishkumar, Dodiya Krunal Anilkumar, Rajvi Bharodiya, Aneri Kanaiyabhai Patel.

Team 4 had a project on automatic irrigation system controller and following are the team members: Karan Khavad, Vrutika Jain, Harshil Patel, Jenish Gohil, Ashodiya Vishal, Yash Patel

Team 5 had a project on Automatic street light control and following are the team members: Nikhil Yadav, Viren Patel, Aryan Patel, Dhruv Patel, Vinay Patani.

Team 6 had a project on Automatic irrigation system controller and following are the team members: Maske Pratham, Yug Patel, Harshali Kulkarni, Sathawara Jay, Champavat Virpal, Jasmeet Singh, Koladiya Jaymin.

Team 7 had a project on Developing affordable micro irrigation agriculture and following are the team members: Vaibhav Mishra, Tarun Mishra, Viren Jain, Axar Patoliya, Siya Prajapati, Pooja Dave, Ashirwad Dwivedi.



GLOBAL ALUMNI CONVENTION (GAC) – 2023

The Global Alumni Convention-2023, hosted by the LD College of Engineering, provided a unique platform for alumni from various parts of the world to come together, reconnect and reminisce about their time at the college.

The convention featured host of exciting activities and events, including talks by prominent alumni, panel discussions on current industry trends, networking opportunities, and cultural programs. The aim of the convention is to bring together alumni from diverse backgrounds and professions to exchange ideas and best practices, and foster lifelong connections. The LD College of Engineering has always been known for its strong alumni network, and this convention too provided an excellent opportunity for alumni to come together.



The Instrumentation and Control Engineering Department of LDCE was proud to host its activities during the Global Alumni Convention-2023 from 6th to 8th January, 2023. This occasion provided an opportunity for the department to reconnect with its alumni, showcase its recent achievements and discuss its future vision.

One of the key events of the department during the Global Alumni Convention was the 'Department Tour'. A significant number of alumni visited the department during the morning session of 6th January, 2023. During the tour, the alumni were given a detailed overview of the department and its various facilities. They were able to see how the department has evolved and grown over the years and were impressed by equipments and facilities now available. The alumni were also

able to connect with their former teachers and classmates, reminisce about old times and share their experiences since graduation.

“Envisioning Future, Celebrating Legacy”

The IC department has also organized a departmental presentation, where the head of the department shared the achievements and future vision of the department with all the alumni. The presentation covered several key points including the department's vision, mission, legacy, and highlights. It also included departmental achievements, future perspectives, and plans for emerging technology in lab development, computer lab up gradation and library improvement. The presentation was well-received by the alumni, who were impressed by the department's progress and fu-



ture plans.

One of the notable outcomes of the alumni meeting was the alumni of 1982 batch showed interest in re-vamping the department. In addition to this, a MoU was signed with Samyak Instruments for the donation of 10 computers. Yogesh Morakhiya from the batch of 1978 committed to donate Rs. 5 Lacs, Bhadresh Khatree from the 1991 batch committed to donate Rs. 50,000. Late Dr. Mandakini Deshpande was also remem-

bered for her contribution to the department, with Shree Sapan Majumdar donating for the development of soft computing facilities. Another alumnus, Mr. Benerjee showed interest in taking industrial application lectures at PG/UG level on the topic of Power Plant Instrumentation and Control Valve Design. Nutron system also showed interest in donating a LabVIEW based Data Acquisition software.

In conclusion, the Global Alumni Convention-2023 was a huge success for the Instrumentation and Control Engineering Department. The department received valuable contributions which will help in its future development. The department is grateful for the support and encouragement of its alumni and is looking forward to further strengthening



FACULTY TRAINING PROGRAM

Sr. No.	Title	Name	Organizer	Duration
1	Digital circuit designing Using multisim	Prof. L.S. Patel	NITTR Bhopal	12/09/2022 To 16/09/2022

RESEARCH PAPER PUBLICATIONS

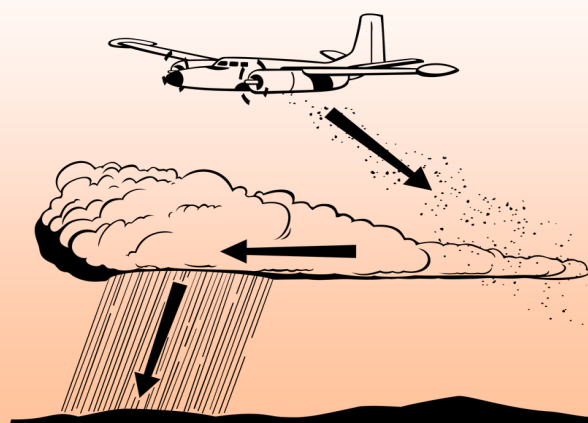
1. Prof. Vandana V. Patel Prof. (Dr.) Ankit K. Shah have published a paper titled “Denoising Electrocardiogram Signals using Multiband Filters and it’s implementation on FPGA” in SERBIAN JOURNAL OF ELECTRICAL ENGINEERING Vol. 19, No. 2, July 2022, 115-128. (Scopus Indexed). UDC: 616.12-073.7:681.5 DOI: <https://doi.org/10.2298/SJEE2202115P>
2. Prof. Manisha Patel and Dr. Nilesh Kalani have published a paper titled “Personal Exercise Assistant: Correcting Exercise Posture using Modified Open pose” in Mathematical Statistician and Engineering Applications Vol. 71 No. 4 (2022) 10347-10358(Scopus Indexed) ISSN: 2094-0343

Did You Know ?

In Dubai, artificial rain is regularly created through cloud seeding, as natural rainfall is rare. Rains are announced a day before in advance.

Cloud Seeding:

It is a type of weather modification that aims to change the amount of precipitation that falls from clouds by dispersing substances into the air, which alter the microphysical processes within the cloud.



A well educated mind will always have more questions than answers.

- Helen Keller

ME DISSERTATION

	Instrumentation & Control Engineering		
	Name	Title	Guide Name
1	Karan Jagdish Chanchlani	Design and Develop Machine Learning Approach for Predictive Maintenance in Industry 4.0.	DR. D. H. MAKWANA
2	Patel Dipanshu Rajeshkumar	Embedded System for fire monitoring system and wireless communication.	DR. A. K. SHAH
3	Patel Ushaben bhupendrabhai	Alzheimer's disorders diagnosis system design using machine learning for EEG signal.	PROF. V. V. PATEL
4	RANA HARSHILSINH	Dynamic and intelligent transportation system for vehicle perception based on machine learning approaches	DR. D. H. MAKWANA
5	PATEL BHUMI PI-YUSHBHAI	Chronic Kidney Disease Prediction with Comparative Study of different Machine learning methods	DR. A. K. SHAH
6	Abhay Kumar Tiwari	Development of data acquisition and analysis system for X-ray spectroscopy	PROF. D. V. RANINGA
7	Patel Dhruvkumar Sanjaybhai	Automatic hydroponics farming system with image processing based smart nutrients system.	PROF. H. K. SHASTRI
8	Aneri Patel	IOT based air quality assessment system using ESP 32 for industrial and residential areas.	DR. M. T. THAKKAR
9	Shiksha sajwan	Control system design of an inertially stabilized platform for unmanned aerial vehicle	DR. M. T. THAKKAR
10	Bhoomi R Mandaliya	SCADA system upgrade for large volume Plasma Device	DR. T. V. SHAH
11	Patel Heliben Gautambhai	Stock Prediction using Sentiment Analysis with Deep Learning Techniques	DR. T. V. SHAH
12	Muh Erdin	Automated Detection of Eye Disease Using Image Processing	PROF. L. S. PATEL

STUDENT TOPPERS

SEM-II

Sr.No.	Enrollment No.	Name	CPI
1	210280117026	YADAV SANDEEP RAKESH	8.90
2	210280117038	SETHI VEDIK RAJEEV	8.87
3	210280117051	SHAIKH SAIMA MAHAMAD-SIRAJ	8.72

SEM-IV

Sr.No.	Enrollment No.	Name	CPI
1	200280117004	JOSHI BHADRESHKUMAR PANKA-JBHAI	8.71
2	200280117041	KHILVA AJAYKUMAR BHATT	8.55
3	200280117038	ASHIRVAD DWIVEDI	8.36

SEM-VI

Sr.No.	Enrollment No.	Name	CPI
1	190280117027	MEVADA SMIT JAYENDRABHAI	9.13
2	190280117057	PATNAIK DEEPANKAR	9.03
3	190280117035	PANCHAL KHYATI SNE-HALBHAI	9.02

SEM-VIII

Sr.No.	Enrollment No.	Name	CPI
1	190283117015	YADAV VISHAL SHIVSHANKAR	9.10
2	180280117013	DOSHI UTSAV VIJAYBHAI	8.64
3	190283117004	JOSHI AMIDHARA HARSHESH	8.56

FACULTY ACHIEVEMENT

1. 14th IIC (Institute Innovation Council, MHRD, AICTE) Regional meet held at EDII Gandhinagar on 18.8.2022. 186 Institute had participated in the event. LDCE faculty Dr. Manish Thakker along with LDCE faculty along with Dr. Chirag Thakkar, Dr. Sanjay Prajapati, Dr. Mrunal Chaudhary and Dr. Purvi Ramanuj presented Achievements of students and faculties by presenting poster at IIC gallery
2. Dr. Manish Thakker currently guiding 7 PhD students at GTU and recently his PhD student Gandhi Shriji had successfully completed his PhD on the topic Dynamic Modeling and Control of Green House System (GHS) on 3.11.2022. 3. Dr. Manish Thakkar contributed as session chair and presented LDCE achievement in ARIIA (3rd Place at National Level), Patents 14 granted, 3 design registration and 79 filed, 5 Startup company by LDCE students and many more.



3. Dr. Manish Thakker had attended PSAA (Plasma for Space and Aerospace Application) - 2022 at FCIPT Gandhinagar on 24-25th November 2022.
4. Dr. Manish Thakker invited to Chair a session in subtheme: Instrumentation & Control Emerging Trends of the Multi-disciplinary International Conference - GTU ICON 20 at Gujarat Technological University, Ahmedabad in 26-29th September 2022 on the Theme: Emerging Trends in Engineering & Technology
5. Dr. Manish Thakker and Dr. Dipesh Makwana had attended ISA (International Society of Automation) Ahmedabad chapter industry academia meet on 16th December 2022.
6. Prof. Ankit K. Shah and Prof. N.A.Kanani guided 1 team each in Azadi ka Amrit Mahotsav hackathon-2022 held 7 & 8 Oct, 2022 at LDCE by SSIP and GKS.
7. Prof. Ankit K. Shah received certificate of appreciation for the role as a reviewer at 2nd Multi-Disciplinary International Conference GTU ICON 2022 theme: Emerging Trends in Engineering & technology organized by GTU sept, 2022.



STUDENT'S ACHIEVEMENTS

- ⇒ Sujit Parmar, final year student of IC Department, got selected for GTU National Team in Kho Kho. In GTU Spirit 2022, he was state level champion in Athletics and Kabaddi Tournament.



- ⇒ Vaibhav Mishra, second year student of IC Department, won Gold Medal in GTU Spirit 2022 wrestling competition and got selected for AIUG (All India University Games). Moreover, he won silver medal in senior Greco roman wrestling and bronze medal in senior freestyle wrestling at state level.

- ⇒ Third year Student of IC Department, Nandini Sagar has represented LDCE in GTU Kho-Kho team in All India University Games organized by V.N.S.G.U. Surat.



- ⇒ Second Year Student of IC Department, Anish Modi has participated in 5km Marathon and won a Gold medal.

- ⇒ Third year student of IC Department, Anjali Jha has represented LDCE in cultural activities (Music and Theatre) at zonal and inter zonal level of Xitij'22.



ART CORNER



— Krushi Mistry (Sem 3)



- Preksha Joshi (Sem 3)



- Hir Makwana (Sem 1)



-Shailja Shah (Sem 3)

PLACEMENT DETAILS OF BATCH 2023

SR. NO.	ENROLLMENT NO.	STUDENT NAME	NAME OF EMPLOYER
1	190280117073	USDADIYA SUNNYKUMAR PRAKASH-	EINFOCHIP
2	190280117031	MOVALIYA NAIMISH DHANJIBHAI	DCM SHRIRAM
3	190280117071	THAKUR PRASHANT HITLAR	DCM SHRIRAM
4	190280117004	BHAVSAR DHRUMIL BHAVESH	UPL
5	190280117067	SHARMA ESHA VIKAS	UPL
6	190280117050	PATEL MAITRI GIRISHBHAI	MG MOTOR
7	190280117057	DEEPANKAR PATNAIK	L&T
8	190280117051	PATEL PUJAN HITESHKUMAR	ATUL
9	190280117077	VORA MOHAMMADADNAN HIFZUR- RAHEMAN	ATUL
10	190280117002	BAVARVA DIVYESH MANJIBHAI	L&T
11	190280117028	MISHRA GAURAV ARVIND	L&T
12	190280117002	BAVARVA DIVYESH MANJIBHAI	ADANI
13	190280117007	BOGHARA BHARGAV MANSUKHBHAI	ADANI
14	190280117016	DOBARIYA VINESH JITENDRABHAI	ADANI
15	190280117017	GADHIYA JIGNESHBHAI BHAYABHAI	ADANI
16	190280117041	PARMAR SMIT DHARMESHBHAI	ADANI
17	190280117046	PATEL DHWANI ANILBHAI	ADANI
18	190280117047	HERAK SANJAYKUMAR PATEL	ADANI
19	190280117063	RATHOD VISHVANATHSINH NARA-	ADANI
20	190280117070	TALAVIYA HARSHKUAMR MAN-	ADANI
21	190280117075	VASOYA PRANAVKUMAR KHODABHAI	ADANI
22	190280117051	PATEL PUJAN HITESHKUMAR	ADANI
23	190280117026	MEHTA VIDHI PRAGNESH	WORLY
24	190280117018	GOHEL JAYSHIL DHARMESHBHAI	SCHNEIDER ELECTRIC
25	200280117505	SURYAVANSHI GAURAVSINGH	SCHNEIDER ELECTRIC
26	190280117027	MEVADA SMIT JAYENDRABHAI	JOHNSON CONTROL
27	190280117035	PANCHAL KHYATI SNEHALBHAI	JOHNSON CONTROL
28	190280117006	BHUVVA MEET RAJESHBHAI	RELIANCE

PLACEMENT DETAILS OF BATCH 2023

SR. NO.	ENROLLMENT NO.	STUDENT NAME	NAME OF EMPLOYER
29	190280117010	PALLAV RAKESH CHHAPARWAL	RELIANCE
30	190280117021	KAMOTHI VIPUL VIMALBHAI	RELIANCE
31	190280117022	VATSAL H. KANTHARIA	RELIANCE
32	190280117025	MALANKIYA JAY JIVANBHAI	RELIANCE
33	190280117029	SAGARIKA	RELIANCE
34	190280117044	ARYAN KIRITBHAI PATEL	RELIANCE
35	190280117048	PATEL KHUSHALI ARVINDBHAI	RELIANCE
36	190280117058	PATNI PARTH KIRITKUMAR	RELIANCE
37	190280117060	RANA SHIVAM SUNILKUMAR	RELIANCE
38	190280117065	SEVARA NARASEENGBHAI KANABHAI	RELIANCE
39	190280117068	SISODIYA DHARMRAJSINH INDRASINH	RELIANCE
40	190280117072	TRIVEDI JAY BHARGAVKUMAR	RELIANCE
41	190280117076	VORA JAINIL KAMLESHKUMAR	RELIANCE
42	200280117510	RAJPUT ADITYA SINGH SURENDRA SINGH.	RELIANCE
43	190280117014	DEVGANIYA GAUTAM NARSHIBHAI	AARTI
44	190280117019	GOSWAMI PARASGIRI HARESHGIRI	AARTI
45	190280117024	KHATARIYA MINAL DHANJINBHAI	AARTI
46	190280117037	PANDEY SHIVAM NARENDRAKUMAR	AARTI
47	190280117039	PARMAR FALGUNIBEN RANCHHOD-BHAI	AARTI
48	190280117061	YUVRAJ SINGH RANA	AARTI
49	190280117006	BHUVIA MEET RAJESHBHAI	TCS
50	190280117028	MISHRA GAURAV ARVIND	
51	190280117047	HERAK SANJAYKUMAR PATEL	
52	190280117057	DEEPANKAR PATNAIK	
53	190280117073	USDADIYA SUNNYKUMAR PRAKASH-BHAI	
54	190280117060	RANA SHIVAM SUNILKUMAR	TCS

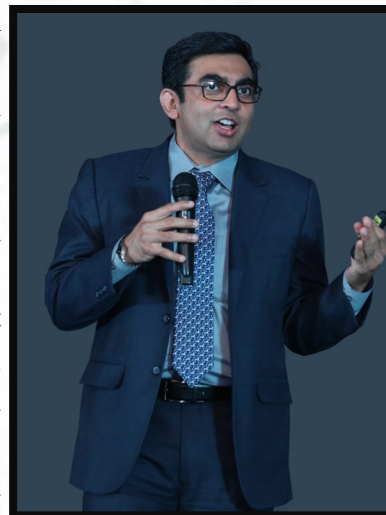


ALUMNI PROFILE

Abhinav Dave

Entrepreneur, Mentor, Investor, Business Strategist and Technologist

More than 25 years of software industry experience - has given him the opportunities to work with some of the brilliant and enthusiastic individuals to build successful products and thriving organizations in US and India. He is a mentor and advisor to entrepreneurs and founders building technology companies through Florida Atlantic University TechRunway. He is currently serving as Advisor to Software as a Service product (SAAS) companies - MedSyshealth.com and myCo-baltsoftware.com. Prior to this co-founded successful fintech product (Vue Software) and build global team of 600+ employees between India and USA. In 2019 Acquired by Vertafore. Worked in IBM and ABB as software engineering. He did Bachelor of Engineering in Instrumentation & Control, L D Eng. College, Ahmedabad India and Master of Science in computer Engineering, Florida Atlantic University, Boca Raton, USA



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. M.C. Patel, Prof. 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

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Prof. Manisha Patel



Prof. Nidhi A. Kanani



Dev Damani



Dhruvraj Vansia



Sanket Rana



Parth Suthar



Sai Teja

SPECIAL THANKS

Vivek Gajam

Harshil Solanki

Muhammed Patel

Dev Nayak

GLIMPSE OF GAC – 2023



1992 Batch IC Alumni



1993 to 2012 Batch IC Alumni



1978 Batch IC Alumni



*IC Dept. Faculties with student
volunteers*

