



October - December 2023

# THE TECH PULSE

A Quarterly Newsletter by L. D. College of Engineering

INVESTING IN  
FUTURE LEARNING:  
GENEROUS  
CONTRIBUTION TO  
SMART  
CLASSROOMS

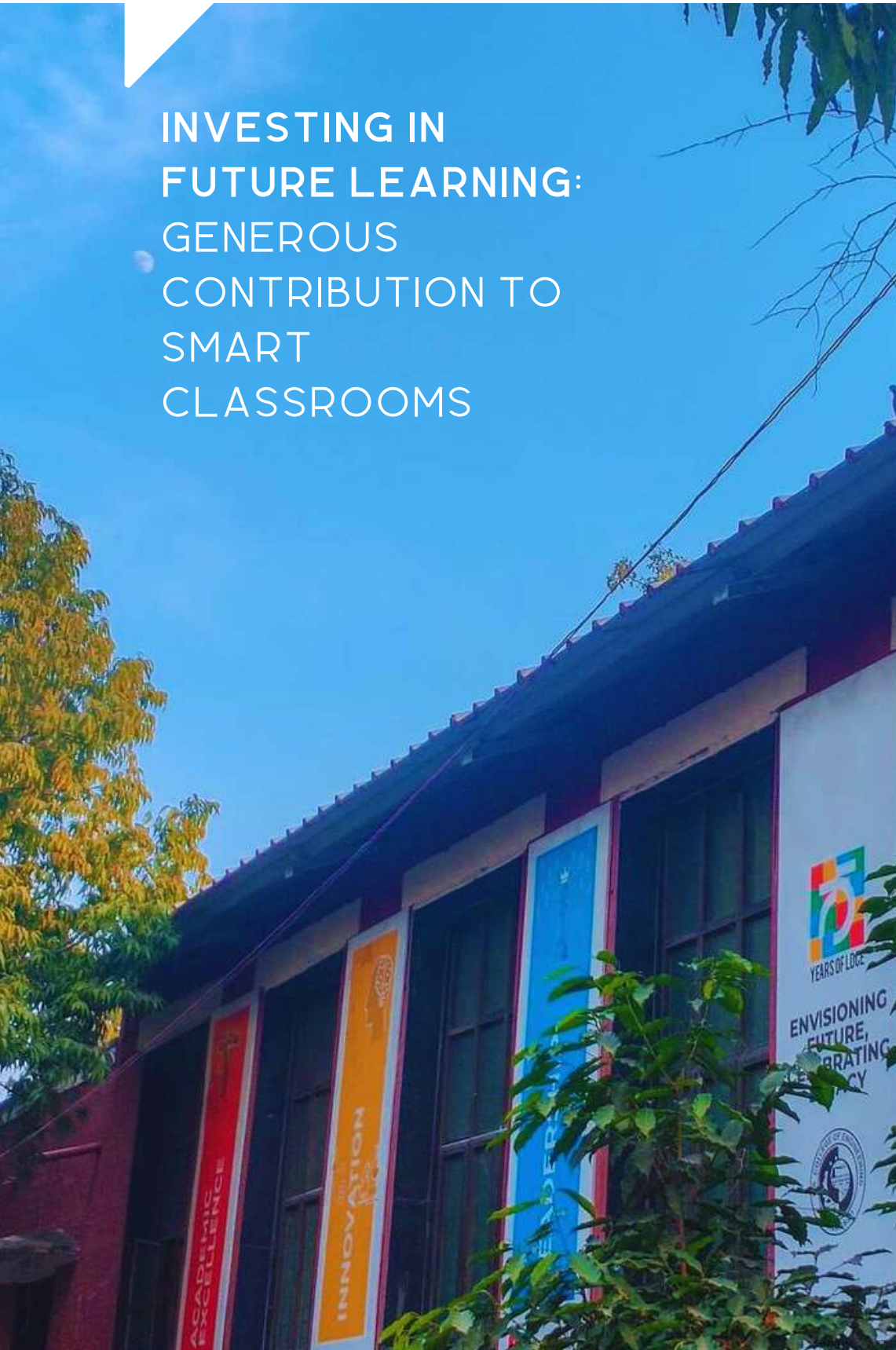
L. D. COLLEGE  
OF  
ENGINEERING

## TRIUMPH AT ROBOFEST 3.0

RUNNER-UP IN  
TWO-WHEELED  
SELF-BALANCING  
ROBOT CATEGORY

## ADVANCING EDUCATION WITH ATAL

FDP FOR FACULTY  
ENHANCEMENT  
GARNERS SUCCESS



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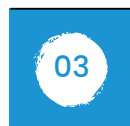
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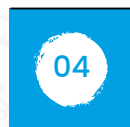
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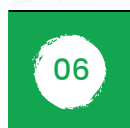
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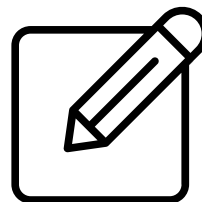
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Our Team

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# VISION

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- 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

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- 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 practice and encourage high standards of professional ethics, transparency and accountability. began with a warm prayer continued with a special video message from Principal Dr. Rajul Gajjar ma'am and a documentary of LDCE campus.





# Principal's Message

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Dear Students and Faculty members,

Greetings from the Principal's Office!

It is hard to conceive just how quickly 2023 has come to a close. The conclusion of the year also signals the end of many milestones. I am happy to share the achievements in this quarter by highlighting a few of them: 4 ATAL FDPs organised by Electrical, EC, and Computer Engineering Departments. We are proud to reveal the fully Refurbished Library with the generous donation from Shri Govind Nadkarani which is being managed by Shri Umesh Lavingia. It was inaugurated by Dr. N M Desai, Director, SAC, ISRO and Dr. R K Gajjar, Vice Chancellor, GTU. We also received a gracious donation by Late Dr. Mandakiniben Swapan Majumdar (Deshpande) and Dr. Swapan Majumdar worth Rs 25 Lac, and Shri Chandrakantbhai Patel, Jt. Managing Director, Mamata Industries worth Rs 25 Lac for the development of Computational facility center and software simulation laboratory as well as Hydraulics-Pneumatics COE.



LDCE is doing quite well when it comes to Patent Publications. We have published 4 patents in this quarter. Our students shone brightly in the classroom, and outdoors. Team Dhanak won Solo singing competition and street play competition at Paramarsh, organised by The M S University of Baroda in collaboration with Mood Indigo by IIT Bombay. This year LDCE crossed the 600+ mark in placement of students of the 2024 batch before December 2023. I congratulate the placement cell and the beneficiaries.

We enjoyed the festival of Navratri with Thangaat, organised on 15 and 16th Oct 2023 with an overwhelming response.

I would like to again extend my appreciation to our staff, students and the community for a positive and productive 2023. Much has been achieved this year, and we will continue to find new ways to accomplish the vision of the institute as we look ahead to the new year.

Sincerely,

Major Dr. C. S. Sanghvi

7th February 2024



# Major events

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- A gracious donation by Late Dr. Mandakiniben Swapan Majumdar (Deshpande) and Dr. Swapan Majumdar worth Rs 25 Lac for Development of Computational facility center (246) and software simulation laboratory (248) was received in December 2023.



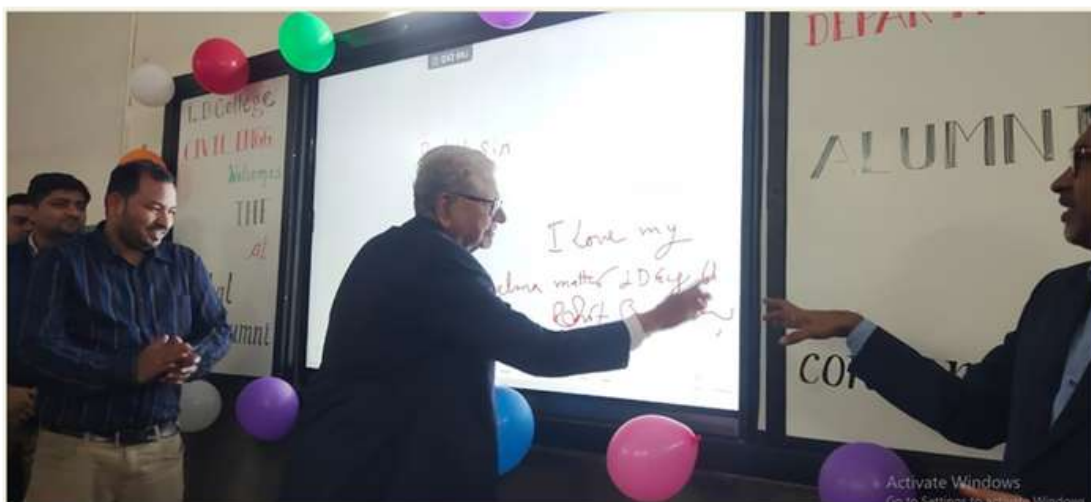
- Mr. Yogesh Morakhiya, an alumnus of the IC batch of 1978 donated Rs 5 lakhs for Smart Classrooms (Room No. 252, 253).



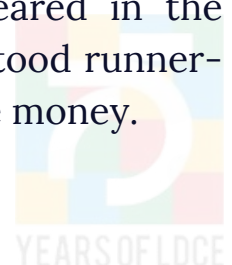
- Donation of 10 Computers from Mr. Gopesh Sanghvi (LDCE Alumni 1978, by Samyank Instruments) worth 2.5 lakhs received in December 2023.



- Smart classroom donated to the Civil Engineering Department for Room no 303 by Shri Rohit Bodiwala (1964 batch Alumni).



- A Team from L D College of Engineering comprising 01 mentor (Prof. Saurabh P. Shah) and 05 students (Dudhia Manush Tusharkumar, Prajapati Utsav Rohitbhai, Modi Dhruvil Rohitbhai, Jagtiya Dharmik Hasmukhbhai and Patil Dhiraj Sunil) participated in the Robofest 3.0 (National level Competition) organized by GUJCOST and Govt. of Gujarat during 29-31 December, 2023. The team appeared in the category of the Two Wheeled self-balancing robot and stood runner-up in the final round. The team won Rs. 7.5 lakh cash prize money.







# Department Activities

- ATAL Faculty development program "Alternate fuels and Electric Vehicle" was organized by Automobile and Electrical Engineering Department from 18/12/2023 to 23/12/2023, Experts from various prominent institutes, organizations and Industries like, IIT G, Nirma University, PDEU, Maruti Suzuki and Capgemini have delivered lectures. During this FDP participants got an opportunity to visit 3 industries. Total 50 candidates from all over Gujarat have taken advantage of the same.



- Mr. Akshay Kute from BIS delivered an expert talk on "Awareness about BIS and standards in the modern world" and conducted Standards writing competition. The event was coordinated by Prof. Chandni Shah, Assistant Professor, I.C. Department on 12/12/2023.



- A technical workshop on “Standard writing competition” was organized under the aegis of BIS Standards club on 11.10.2023 in Room No 626 on the occasion of ManakMahotsav. A session on BIS activities and Compilation of Standards was delivered by Shri Ajay Chandel (Deputy Director, BIS, Ahmedabad).







- An Expert talk on “The Billion-Dollar Space Race: Opportunities in the Space Industry”, was arranged at the Mechanical department on 7/11/2023, 11.00 am in room 603, delivered by the Mr. Ravindra Raj BM, CEO & Director Omspace Rocket and Exploration Pvt. Ltd, Sanand, Ahmedabad. He had shared his experiences of working in the aerospace industries and story behind the formation of his own industry in the same area. He had shared his experiences working with the ISRO scientist and future plans of ISRO. He talked on the different areas available in the aerospace industries, its scope and requirements. Also he had discussed the career opportunities available for the students in the aerospace industries. Dr. C. S. Sanghvi, Principal graced the occasion and shared his views. Dr. V. B. Patel, HOD, Mechanical and faculty members of Mechanical, Electrical and EC departments also participated.. Final year students of Mechanical, Electrical and EC departments were present in the seminar. Dr..Patel. Head, Mechanical and Prof. M Y Patil, Asso. Prof, Mechanical coordinated the whole program.



- The Mechanical Engineering Department organized a session on Internship guidelines for final year students on 16/12/2023. Dr. Komal Dave, Professor, Mechanical Engineering department updated about the opportunities in industry and instructed students to take advantage of industrial experience as a part of curriculum. Prof. G N Sutaria and Prof. Niketa Patel organized the event



- Navratri was celebrated at workshop building on 21st Oct 2023 by performing Aarti and Garba by faculties and students of Automobile and Mechanical Department. Dr. C S Sanghvi, Principal, LDCE and heads of other departments joined the event and performed Aarti.



- Environmental Engineering Department post graduate students (13 nos) attended the 29th Indian Plumbing Conference on “Net Zero Water in Built Environment” from 21/12/2023 to 23/12/2023 at YMCA International Centre, Ahmedabad.







- Plastic Technology Department organized Orientation and Standard writing competition of Bureau of Indian Standard Club on 21st December 2023 coordinated by Prof. Hetal Shah. Students of 5th and 3rd Semester participated in the event.



- The Rubber Technology Department arranged a workshop on “Solid Tyres” on 03 /11/ 2023 in association with Industry, Rubber King at Seminar hall, Rubber Technology department, LDCE. All faculties and almost 50 students participated



- Dr. R. N. Desai arranged an expert talk on " SBS modified Bitumen: An ideal solution to long lasting Roads" at Transportation Engineering, LDCE on 05/12/2023, delivered by Prof. Sham Ravindranath, polymer & process engineering, IIT- Roorkee. Faculties of the Rubber department and students have participated.
- The Rubber Technology Department arranged a workshop on "Orientation of BIS club and Standard Writing Competition" in association with Bureau of Standards (BIS) Club, on 21/12/ 2023. All faculties participated along with 30 students in quiz competition and won prizes.
- The Rubber Technology Department arranged a placement of Ceat Tyres for students of Rubber Technology on 17/10/2023. Prof. S.J.Padhiyar coordinated and three students got placed and 1 student got Internship.
- The Rubber Technology Department arranged an expert session on "Latest use of Silicone rubber in surgical industries" on 13/10/2023 delivered by Mr. Joel Lalucherian, Technical head, Berger Paints, Ahmedabad
- The Rubber Technology Department arranged pedagogy with Mr. Jeet Dave, Area Sales Manager, Chem-trend Chemicals Pvt Ltd. on "Tyre Mold Release agents" on 4/11/2023 and attended by faculties.



- The Rubber Technology Department arranged an expert session on “Biodegradable rubber products and its synthesis” on 7/12/2023 delivered by Mr. Prakash Patel, MD, Green Vision.
- The Rubber Technology Department has arranged a pedagogy meeting with Mr. Daxit Soni on “Use of FEA for Rubber product Optimization” on 13 /12/ 2023 and attended by faculties.
- The Rubber Technology Department arranged an expert session on “Implementation of software in rubber processing” on 30 /12/2023 delivered by Ms. Priyanka Chavda, MD, Pratham Rubber Consultants.



- The Electrical Engineering Department organized ATAL FDP on "AI Role in Power System Protection" from 16.10.2023 to 21.10.2023. The FDP was coordinated by Dr. V. R. Patel, Associate Professor in EED.



- The Electrical Engineering Department in association with the National Institutes of Technical Teachers' Training & Research, Bhopal jointly organized a two-week Faculty Development Program (FDP), titled "Emerging Trends & Practices in Optimization and Sustainable Technology" during November 20, 2023, to December 1, 2023. The FDP was coordinated by Dr. V. R. Patel, Associate Professor in EED.



- The Electrical Engineering Department and Automobile Engineering Department jointly organized ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023. The FDP was coordinated by Dr. C.D. Upadhyay, Assistant Professor in EED.



- IEI\_EED\_Students chapter & NSS together organized 'E-Collect' - an E-Waste Collection Drive during 25/10/2023 to 04/11/2023.

# Industry Institute Interaction

Department	Event	Date/s	Target audience	Place of event	Number of Participants	Coordinator/s
Mechanical	Industrial Visit	21/12/2023	BE 3,5	Vigyan Bharati Sammelan" expo at science city, Ahmedabad	35	Dr. Sheetal Pandya and Dr. Dhaval Patel
Rubber Technology	Industrial Visit	01/11/2023	BE sem 5	MOUNTAIN SPRING PLASTICS, Ahmedabad	30	Prof. S.J. Padhiyar
Rubber Technology	Regarding MOU	14/12/2023	faculties of dept & Industry	Rubber Technology Department	7	Prof. R.N.Desai & Prof. S.J. Padhiyar
Rubber Technology	Technical talk	16/12/2023	BE sem 7	Parth Rubber Tech. Pvt. Ltd	8	Prof. R.Y.Modan
Rubber Technology	Technical talk	18/12/2023	BE sem 7	Intense Rub- Plast Solutions	6	Prof. A.D.Bhatt
Rubber Technology	Technical talk	27/12/2023	BE sem 7	Polygold Precure Systems	5	Prof. B.D.Patel
Rubber Technology	Technical Guidance	21/12/2023	BE sem 7	Sanvi Rubber Industries	5	Prof. G.G.Bhatt
Electrical	Expert Talk on "BIS Orientation and Standard Writing Competition"	21/12/2023	BE 5 & 7	Chanakya Hall, EED	100	Prof. H.N. Raval & Dr. K.A. Bhatt
Electrical	Expert Talk delivered on "Efficient utilization of Solar Energy By Shri Mahesh VyasPropriet or - Archana Automation, Rajkot during an FDP, titled "Emerging Trends & Practices in Optimization and Sustainable Technology" from 20.11.2023to 01.12.2023.	28/11/2023	FDP Participants	NITTTR Extension Centre, Ahmedabad	33	Dr. V.R. Patel



Department	Event	Date/s	Target audience	Place of event	Number of Participants	Coordinator/s
Electrical & Automobile	Expert Talk on Industry Live Problem Solving/ Project Power converter for EV By Mr. Kartikey Hariyani, Charge Zone, Vadodra during ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023	22/12/2023	FDP Participants	LDCE	50	Dr. C. D. Upadhyay & Dr. R.J. Jani
Electrical & Automobile	Expert Talk on Battery management system- By Mr. Tejal Sharma, Raj Sales Corporation - EV, Ahmedabad 2023 during ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023	22/12/2023	FDP Participants	LDCE	50	Dr. C. D. Upadhyay & Dr. R.J. Jani
Electrical & Automobile	Industrial Visit to Solance industry- A Battery manufacturing Plant at Changodar, Ahmedabad during ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023	21/12/2023	FDP Participants	LDCE	50	Dr. C. D. Upadhyay & Dr. R.J. Jani
Electrical & Automobile	Industrial Visit to Charger Demonstration by Charge Zone Industries, Pragati Nagar, Ahmedabad during ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023	21/12/2023	FDP Participants	LDCE	50	Dr. C. D. Upadhyay & Dr. R.J. Jani
Electrical & Automobile	Industrial Visit to Charger International Automobile center of excellence- Maruti Suzuki India Pvt Ltd.- Gandhinagar during ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023	23/12/2023	FDP Participants	LDCE	50	Dr. C. D. Upadhyay & Dr. R.J. Jani
Information Technology	Industry Interaction with Endel Digital	11/10/2023	All	1013, Annexe building, IT dept	15	Prof. Swati J Patel
Information Technology	"Thalassemia Awareness Session" by Rotary Club of Ahmedabad Metro in association with NSS.	19/12/2023	All	3001, Annexe Building, IT Dept (10:30 to 11:30)	70	Prof. Swati J Patel, Dr. Purvi Ramanuj, Dr. Kuntesh Jani
Information Technology	BIS orientation and standard writing competition program in association with Bureau of Indian Standards (BIS)	19/12/2023	ME 1	3001, Annexe Building, (11:30 ONWARDS)	70	Prof. Swati J Patel



Pic.1: Industrial Visit to Solance industry- A Battery manufacturing Plant at Changodar, Ahmedabad during ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023

Pic.2 Industrial Visit to Charger Demonstration by Charge Zone Industries, Pragati Nagar, Ahmedabad during ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023



Pic.3: Industrial Visit to Charger International Automobile center of excellence- Maruti Suzuki India Pvt Ltd.- Gandhinagar during ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023

# Paper Publications

Name of the Faculty	Title of the paper	Name of Journal/Conference
Prof. M A Shaikh & Prof. V R Patel	Optimizing CI engine ethanol fuel induction techniques using the AHP- PROMETHEE II hybrid decision model	Current World Environment
Dr.Vandana Patel & Dr.Ankit Shah	Design and implementation of low power FPGA-based optimal multiband filter with Spline function for denoising ECG signals	Computer Methods in Biomechanics and Biomedical Engineering, DOI: 10.1080/10255842.2023.2285721
Prof. Z. R. Chhaya	Design perspectives of the structural modes for ground liquid storage steel tanks	Structural Engineering Convention 2023 at VNIT Nagpur, 7-9 December 2023
Prof. Z. R. Chhaya	Generalized single degree of freedom analysis for buckling of steel tanks	Structural Engineering Convention 2023 at VNIT Nagpur, 7-9 December 2023
Prof. Z. R. Chhaya	Comparative study and review of IS 803:1976 with API 650 and NZSEE guidelines	Structural Engineering Convention 2023 at VNIT Nagpur, 7-9 December 2023
Dr.Manish V. Shah & Prof.S.R.Singh	Development of State of Art Test Setup to measure Thermal Conductivity of Soils Infused with Treated and Untreated Natural Microorganisms	Journal of Environmental Quality Management (Wiley)



Dr.Manish V. Shah	<ol style="list-style-type: none"> <li>1.A systematic review on composition, effect and remediation methods of petroleum hydrocarbon contaminated waste drilling mud</li> <li>2.Evaluation of natural foliation effect on deformation characteristic and shear strength parameters of Chamoli (Uttarakhand) rock using a Triaxial system</li> </ol>	<ol style="list-style-type: none"> <li>1.Journal of Advances in Bioresearch (Special Issue-1)</li> <li>2. Proceedings of the ISRM 15th International Congress on Rock Mechanics and Rock Engineering &amp; 72nd Geomechanics Colloquium – Challenges in Rock Mechanics and Rock Engineering, Schubert, W. &amp; Kluckner, A. (eds), Salzburg, Austria</li> </ol>
Prof.A.G.Hansora	Flexibility Matrix and Stiffness Matrix of 3D Curved Beam with Varying Curvature and Varying Cross-Sectional Area using Finite Displacement Transfer Method	Journal of Computational Applied Mechanics (Scopus and Web of Science Indexed),
Prof.Poonam I. Modi	Development of novel un-fired masonry unit manufactured using silica-rich sandstone mining and cutting waste	Journal of building Engineering (Elsevier) (Scopus, Science Citation Expanded Indexed)
Manish V. Mehta, Mrunalkumar D. Chaudhari, Rakesh Chaudhari, Sakshum Khanna and Jaykumar Vora	Comprehensive Investigation of Hastelloy C-22 Powder Weld Overlay on SA 240 Type 316L Using Laser Beam Welding for Enhanced Performance	Journal of Manufacturing and Materials Processing, Volume 7, Issue 6, 207, November 2023.
Dr. Pankaj Prajapati, Dr. Anilkumar J. Kshatriya, Mr. Dhavalkumar N. Patel, Ms. Sima K. Gonsai, Mr. Hardik B. Tank, Ms. Kinjal R. Sheth	Comparative analysis of meta heuristics algorithm for differential amplifier design	Bulletin of Electrical Engineering and Informatics



Prof. Shital Solanki	Wheat Seed Classification using Gurobi Optimized Piecewise Linear Approximation Based SVM	5th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology, Madhav Institute of Technology & Science, Gwalior, India
Dr. Pradip Patel	Dynamic Hand Gesture Recognition for Indian Sign Language using Integrated CNN-LSTM Architecture	International Journal of Next-Generation Computing
Prof. Shital Solanki	Design of Primal Soft-margin SVM Leveraging Piecewise Linear Approximation based Linear Programming Technique	Journal of Propulsion Technology
Prof. Madhuri Patel	Station wise boarding passenger flow prediction for public transport using various machine learning methods	Springer Nature
Prof. Madhuri Patel	Unleashing the Potential of Boosting Techniques to Optimize Station-Pairs Passenger Flow Forecasting	Procedia Computer Science (Elsevier)
Prof. Madhuri Patel	Navigating the roadmap of intelligent transport in Indian smart cities: Sectorial analysis, challenges and key elements of data science enabled solutions	Smart Electric and Hybrid Vehicles: Fundamentals, Design, Modeling, and Applications, 2-Volume (Taylor and Francis- CRC Press)
Prof.V.M. Dholakiya	Frequency regulation in interconnected powersystem with DFIG participation under ABT-basedvarious operating strategies	International Journal of Ambient Energy, Taylor & Francis



# Thesis/Dissertation

Name of the Student	Title of the Dissertation	Guide
Solanki Hiral Kuvarba	IMAGENIUS, AN IMAGE PROCESSING APP USING MATLAB GUI	Dr. Tejas V. Shah
Shreya Gupta	"HYBRID WIND SOLAR POWER TRACKING SYSTEM"	Dr. Ankit K. Shah
Ribadiya Bhavinkumar Ashokbhai	PARAMETRIC STUDY ON BEHAVIOUR OF RCC FLAT SLAB WITH DROP PANEL AND WITHOUT DROP PANEL SUBJECTED TO SUDDEN COLUMN REMOVAL	Prof. A. G. Hansora
Prajapati Meet Devendrabhai	ANALYSIS OF INDUSTRIAL HOT AIR OVEN FOR PRODUCT ENVIRONMENTAL TEST AND ITS PERFORMANCE EVALUATION	Prof. Sima Gonsai
Vaddivala Madhuri Kailashkumar	EVOLUTION AND ANALYSIS OF SSN (SIMULATION SWITCHING NOSIE) EFFECT ON POWER SUPPLY AND CIRCUIT PERFORMANCE IN VERY HIGH SPEED CIRCUIT DESIGN	Prof.Madhusmita C. Sahoo
PANCHAL JIGARKUMAR RAJUBHAI	PERFORMANCE EVALUATION OF BER FOR MASSIVE MIMO FOR 5G NETWORK	Prof Hardik B Tank

Trivedi Pranali Ashishkumar	IMPLEMENTATION OF ELECTROFUSION TECHNOLOGY USING HIGH-PERFORMANCE AC VOLTAGE FIRING TECHNIQUE FOR INDUSTRIAL APPLICATION	Prof. Kinjal R Sheth
JINWALA NIDHI GUNVANTKUMAR	BATTERY OPERATED ELECTROMAGNETIC FLOWMETER	Prof Priti J Muliya
Pratima Devendra Prasad	DESIGN AND IMPLEMENTATION OF LORA BASED ULTRA LOW-POWER TEMPERATURE MONITORING SYSTEM	Patel Dhavalkumar Narendrabhai
Vaishali Jatav	DESIGN AND CHARACTERIZATION OF IR READOUT CIRCUIT AND PROXIMITY ELECTRONICS	Dr. Nirali Kotak
KANDORIYA VISHAL KESHURBHAI	EFFICIENT TEMPERATURE TRANSMITTER USING HART PROTOCOL FOR INDUSTRIAL APPLICATIONS.	Prof. Hitesh L. Desai
Noopur vyas	DESIGN OF LOW POWER 16 BIT SIGMA DELTA ADC	Dr. Sanjay Prajapati
CHUDGAR MEERA DIPAKBHAI	PROTOTYPE HARDWARE DESIGN OF MULTI-CHANNEL WIDEBAND DIGITAL PROCESSING SYSTEM FOR HYPERSPECTRAL MICROWAVE TEMPERATURE SOUNDER UNIT (HY-TSU).	Prof. SURESH BHARWAD
Mahesh Thapa	VEHICULAR TRAFFIC MONITORING AND CONGESTION CONTROL SYSTEM	Prof. K G Vaghela



Hitesh Pasi	RF BASED MULTICAST AND BROADCAST ENHANCEMENT FOR PAN MULTIMEDIA APPLICATIONS	Prof K G Vaghela
Sukanya Rathod	NOVEL APPLICATIONS OF LIGNIN: IN THERMOPLASTIC POLYOLEFINS ELASTOMERS	Dr. R.N.Desai & Prof. S.J.Padhiyar


# Faculty Achievements

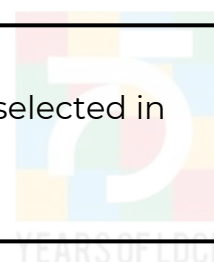
Name of the Faculty	Achievement/s
Dr. Sanjay K Patel	Invited lecture on A Game of Coins at the 60th Annual Conference of Gujarat Ganit Mandal organized by St. Xavier's College, Ahmedabad during 21-23 November 2023.
Dr. Sanjay K Patel	Invited Lecture on "Some useful tests for Uniform Continuity" at the 9th Problem Solving Workshop and Enrichment in Mathematics (PSWEM 2023) organized by St. Xavier's college Ahmedabad on 24 December 2023.
Prof. Jayendra P. Vasani	Patent granted with Title Test cycle for centrifugal clutch on 14/11/2023.
Dr V B Patel	Delivered an expert lecture on Teaching Practices on December 22, 2023 at ATAL FDP on "Alternate Fuels and Electrical Vehicles organized by Automobile and Electrical engineering department, L D. College of Engineering.
Dr V B Patel	Delivered an expert lecture on "Foundry basics and casting processes on December 23, 2023 at a Faculty Development Program on "Metallurgy for Engineers" organized by NITTR extension centre, Ahmedabad in association with the Metallurgy Department, Government Engineering College, Sector -28 Gandhinagar.
Dr. M. D. Chaudhari	Delivered an expert talk at NITTTR, Ahmedabad Extension Centre on 20th October, 2023 on the topic of "Research Trends in Metallurgy and Materials Processing" as a part of one week DTE approved FDP on "Metallurgy for Engineers"; organized by NITTTR, Gujarat Extension Center Ahmedabad in association with Metallurgy Department, Government Engineering College, Gandhinagar during 16- 20 October 2023.

Dr. M. D. Chaudhari	5 teams under the guidance of Mrunalkumar Chaudhari were finalists at the SIH 2023 Internal Hackathon in the PS Numbers SIH1475, SIH1327, SIH1470, 1361 and 1472 under the categories of Robotics and Drones, Miscellaneous and Renewable and Sustainable energy.
Prof. G N Sutaria and Dr. M. D. Chaudhari	One team (Kshalan) under the guidance of Prof. G N Sutaria and Dr. M. D. Chaudhari was a finalist at the Smart India Hackathon 2023, PS Numbers SIH1444.
Dr. Nisha Bora	Dr. Nisha Bora was appointed as external examiner for PhD thesis evaluation and final viva Voce examination on 14th Oct 2023 at VelTech University, Chennai.
Dr. Nisha Bora	Contributed during Startup Conclave-2023 at Exhibition Centre, Helipad, sector-17, Gandhinagar from 5th to 9th Dec 2023.
Dr.Manish V. Shah	<ol style="list-style-type: none"> <li>1. A patent with title "Hybrid clay for capturing CO<sub>2</sub>" has been granted on 19.12.23 for a period of 20 years. The patentee for this patent are Dr.ManishV.Shah, Karan B. Shah ( Passed out student of Batch 2019) and Dr.AtindraD.Shukla.</li> <li>2. Dr.Manish V Shah received 'Certificate of Appreciation' for mentoring undergraduate students of Civil Engineering for 'GEOVISLESHANA 2023'from the hands of Dr Anil Joseph, Honourable National President of Indian Geotechnical Society at IIT Roorkee on 16th Dec 2023.</li> </ol>
Dr. C.H.Vitthlani	He worked as core committee member in New India Vibrant Hackathon 2023 held on 25th November 2023.
Dr. C.H.Vitthlani	He worked as Technical advisory committee member in ROVBOFEST organised by GUJCOST during 29-31 December 2023







Dr. Pankaj Prajapati	Worked as a reviewer of International Journals
Prof. Bharati G. Basantani	Prof. Bharti G. Basantani, participated in Panel Discussion organized by IPI as an academic invitee during the seminar on "Additive Manufacturing: Powerful toolkit for Design to Production ". It was held at DoubleTree by Hilton, Ahmedabad on 27-10-2023, sponsored by HP INDIA.
Prof. Stuti R. Shah	Under the New India Vibrant Hackathon 2023, Prof Stuti Shah, was a Jury from L.D. College of Engineering for the Regional rounds of Vibrant Hackathon on 4/11/2023 held at L.D. College of Engineering.
Prof. Gnanu Bhatt, Prof. Rupande Desai, Prof. Bhakti Patel, and Miss. Divya Jyoti	<p>Granted a patent on ""ANTIMICROBIAL SILICONE RUBBER"" by the patent office, Government of India on 30-10-2023 for 20 years.</p> 
Prof. R.Y.Modan	Passed with 78% & Received Award as An Elite Silver Ranker by NPTEL ( Rheology and processing of paints, plastic and Elastomer based composites) Course on 6th October 2023.
Prof. Gnanu Bhatt	Under the mentorship, the student's team got selected in the Grand finale of the New India vibrant Hackathon 2023.
Prof. Gnanu Bhatt	Under the mentorship, the student's team got selected in the waitlist team for the SIH 2023.



Dr. K.P. Badgujar	<p>Dr. K.P. Badgujar, Professor in Electrical Engineering delivered Expert talk on:</p> <ol style="list-style-type: none"> <li>1. "AI Based Condition Monitoring and Protection of Transformer" on 17/10/2023 during ATAL FDP on "AI Role in Power System Protection" from 16.10.2023 to 21.10.2023.</li> <li>2. "Indian Standards for Electric Vehicles" on 21.12.2023 during ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023.</li> </ol>
Dr. M.C. Chudasama	<p>Dr. M.C. Chudasama, Professor in Electrical Engineering delivered Expert talk on:</p> <ol style="list-style-type: none"> <li>1. "An Application of Dynamic Phasor in Power System Protection" on 17/10/2023 during ATAL FDP on "AI Role in Power System Protection" from 16.10.2023 to 21.10.2023.</li> <li>2. "Non-Linear Optimization Technique" on 01.12.2023 during an FDP, titled "Emerging Trends &amp; Practices in Optimization and Sustainable Technology" from 20.11.2023 to 01.12.2023.</li> </ol>
Dr. J. R. Iyer	<p>Dr. J.R. Iyer, Professor in Electrical Engineering delivered an Expert talk on "Digital Transmission Line Protection" on 19/10/2023 during ATAL FDP on "AI Role in Power System Protection" from 16.10.2023 to 21.10.2023.</p>
Dr. V.R. Patel	<p>Dr. V.R. Patel, Associate Professor in Electrical Engineering Department delivered an Expert Talk on "Comparison between Different Optimization" on 22.11.2023 during an FDP, titled "Emerging Trends &amp; Practices in Optimization and Sustainable Technology" from 20.11.2023 to 01.12.2023.</p>
Dr. C.D. Upadhyay	<p>Dr. C. D. Upadhyay, Assistant Professor in Electrical Engineering conducted a laboratory session on EV Charging Station on 20.12.2023 during ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023.</p>
Dr. V.K. Prajapati	<p>Dr. V.K. Prajapati, Assistant Professor in Electrical Engineering delivered Expert talk on "Grey Wolf Optimization" on 21.11.2023 during a Faculty Development Program (FDP), titled "Emerging Trends &amp; Practices in Optimization and Sustainable Technology" from 20.11.2023 to 01.12.2023.</p>

Dr. K.A. Bhatt	<p>Dr. K.A. Bhatt, Assistant Professor in Electrical Engineering delivered Expert talk on:</p> <ol style="list-style-type: none"> <li>1. "Random Forest a Tool for Identification of Fault in Smart Grid Environment" on 19/10/2023 during ATAL FDP on "AI Role in Power System Protection" from 16.10.2023 to 21.10.2023.</li> <li>2. "Efficient Utilization of Conventional &amp; Renewable Resources" ' on 29.11.2023 during an FDP, titled "Emerging Trends &amp; Practices in Optimization and Sustainable Technology" ' from 20.11.2023 to 01.12.2023.</li> </ol>
Prof. F.A. Macwan	<p>Prof. F.A. Macwan, Assistant Professor in Electrical Engineering Department delivered an Expert Talk on "Leveraging Python as Powerful Programming tool for Optimization Techniques" on 28.11.2023 during an FDP, titled "Emerging Trends &amp; Practices in Optimization and Sustainable Technology" from 20.11.2023 to 01.12.2023.</p>
Prof.S.J. Parapuram	<p>Worked as faculty coordinator during the International Conference "Denims Innovision 2023" organized at AMA, Ahmedabad during 3rd and 4th December, 2023.</p> <div data-bbox="434 1198 869 1688">  </div> <div data-bbox="896 1198 1404 1688">  </div>



# Students' Achievements

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- Hardik Gohel's patent is granted with Title Test cycle for centrifugal clutch on 14/11/2023
- Students of ISHRAE LDCE chapter along with Prof. S A Saraswat and Prof R O Paliwal attended the Confluence and Refcold India 2023 on the theme of Decoding Decarbonization at AMA Ahmedabad during 13 and 14 Dec' 2023. Speakers from UNEP and Ishrae shared information about new challenges in Air conditioning and Refrigeration, Cold chain and new refrigerants.



- Patent application number 202121021196 titled "Floating Trash Collecting Device" was granted by the Indian Patent Office on 18th October 2023. The applicants for this patent include Mishra Yash Rajneeshbhai, Soni Daxit Bharatbhai, Maurya Shivanee Lalsahab, Sarvaiya Khushi Dharmendrabhai, Singh Ankit Sunil, Bhatt Kirtan Pradipkumar, Dr. Mrunalkumar D. Chaudhari and Prof. Vasani Jayendra Pankajbhai.
- BE-Civil Engg 4thSem Students; Pratiksha Saraswat and YashMistry won 2nd Prize at National level Quiz Competition 'GEOVISLESHANA 2023' Organized by Indian Geotechnical Society, New Delhi. Winners received a cash prize of Rs.7500/- and Certificate of appreciation through the hands of Dr Anil Joseph, Honourable National President of Indian Geotechnical Society at IIT Roorkee. Quiz was mentored by Dr Manish V Shah of Applied Mechanics Department.

- Khushvi Purohit of 7th sem EC selected for Nationals in Basketball and represented GTU at AIU BASKETBALL in Gwalior on 28 th December 2023



- Avani Chaudhary of 3rd Sem EC and Priyanka Patel of 5th Sem EC represented GTU Women's Kabaddi team in All India Inter University(AIU) Kabaddi Tournament at Madhya Pradesh during 21-25 December 2023



- Khushvi Purohit of 7th Sem EC was selected as Best Senior in cact 8 in NCC on 8th December 2023
- Antariksh Dave of 3rd Sem EC had the honor to manage this event with the team of Yellow Side club as Student Coordinator scrutiny SSIP LDCE held on 28th December 2023
- Disha Solani, Shubham Golvelker and Krushi Patel of 5th Sem EC students worked as coordinators of JOY of GIVING event of LDCE during 24 to 25 December 2023.

- Environmental Engineering Department Student Semester-7 namely Vaishakhi Arbastani (enrollment no.-200280113049) has participated in district level yoga competition held on 26/12/2023 at Gandhinagar under Gujarat State Yog Board and secured 1st position with cash prize of Rs. 21,000/-.
- Plastic Technology students of Sem 3rd and 5th won total cash prize of Rs 2500/- in the BIS Standard writing competition





- Sarthak Patil student of Rubber Technology B.E. Sem-3 participated in Chandrayaan - 3 Maha quiz and got a certificate for completing this quiz.
- Sarthak Patil student of Rubber Technology B.E. Sem-3 participated in Standard Writing competition and Club launch of “Bureau of Indian Standards (BIS)” on 21st December 2023, organized by Rubber Technology Department, L. D. College of Engineering.
- Sarthak Patil, Veerendra Swamy, Sahil Prajapati and Vikas Kori, the students of Rubber Technology B.E. Sem-3 participated and attended the Workshop / Exhibition on the “Solid Tyres” jointly organized by Rubber King Tyres Pvt Ltd and Rubber Technology Department, L. D. College of Engineering.
- Maulik Chauhan, Dhruvkumar Patel from M.E. Sem-1 and Kevalkumar Panchal, Monukumar Jha, Manavkumar Pandya and Mansi Dhimmar from B.E. Sem-7 participated in the Regional Round of New India Vibrant Hackathon 2023 on 4th November 2023 at L. D. College of Engineering.



- Sarthak Patil and Veerendra Swamy the students of Rubber Technology B.E. Sem-3 participated in Standard Writing competition and Club launch of “Bureau of Indian Standards (BIS)” on 21st December 2023, and achieved first position, rewarded with Rs. 1000 cash prize, organized by Rubber Technology Department, L. D. College of Engineering.
- Ayush Sharma and Chinmayi Dholam the students of Rubber Technology B.E. Sem-5 participated in Standard Writing competition and Club launch of “Bureau of Indian Standards (BIS)” on 21st December 2023, and achieved first position, rewarded with Rs. 750 cash prize, organized by Rubber Technology Department, L. D. College of Engineering.
- Nihar Shah and Dhyan Patel the students of Rubber Technology B.E. Sem-5 participated in Standard Writing competition and Club launch of “Bureau of Indian Standards (BIS)” on 21st December 2023, and achieved first position, rewarded with Rs. 500 cash prize, organized by Rubber Technology Department, L. D. College of Engineering.




- Jitesh Chorotiya and Kapil Tiwari the students of Rubber Technology B.E. Sem-3 participated in Standard Writing competition and Club launch of “Bureau of Indian Standards (BIS)” on 21st December 2023, and achieved first position, rewarded with Rs. 250 cash prize, organized by Rubber Technology Department, L. D. College of Engineering.
- Under the Mentorship of Prof. Mihir Vasavda, Ratnam Shah of Electrical Engineering and Dipang Patel of Automobile Engineering incorporated a startup namely “Henzai Technologies Pvt. Ltd.”-providing solutions in electric vehicle charging infrastructure.
- Ratnam Shah and of Electrical Engineering and Dipang Patel of Automobile Engineering exhibited during Startup Conclave-a pre-summit event organized by the Education Department as a part of Vibrant Gujarat Global Summit-2024.
- Under the guidance of Prof. S.M. Patel & Prof. M.I. Siddiqui, a patent filed by Abhay Gosai, Bhatt Om, Anjaria Jalak and ShyaraShwetal titled as “Remote Signal Based Operatable Motorized Tripper Switching Mechanism for Moulded Case Circuit Braker” has been Published.
- The following students from (program) 4th semester participated in “Smart India Hackathon 2022” and got selected as a team in the Grand Finale of SIH 2022 under the guidance of Prof. H. M. Diwanji and Prof. N. P. Desai: TIRTH SHAH, PITRODA YASH, AYESHA PADRAWALA, VISHAL PATEL, ADITI DARJI, THUMMAR PRIYAL.
- Final year students of the department worked as student coordinators during the International Conference “Denims Innovision 2023” organized at AMA, Ahmedabad during 3rd and 4th December 2023.



# Professional Development

Name of Faculty	Activity	Details	Duration	Place
Dr. R J Jani	STTP	Train the Trainer Program- Automotive Systems with Sensors	30/10/2023 to 03/11/2023	IACE- Gandhinagar
Prof. S N Patel	STTP	Train the Trainer Program- Introduction to Electric & Hybrid Vehicle Technology	30/10/2023 to 03/11/2023	IACE- Gandhinagar
Prof. V G Trivedi	STTP	Emerging Trends & Practices in Optimization and Sustainable Technology	20/11/2023 to 01/12/2023	NITTTR, EXT Center, Ahmedabad
Dr. P D Patel	ATAL FDP	Alternate fuels and Electric Vehicle	18/12/2023 to 23/12/2023	LDCE
Dr. V R Patel	ATAL FDP	Alternate fuels and Electric Vehicle	18/12/2023 to 23/12/2023	LDCE

Prof. G N Sutaria	ATAL FDP	Alternate fuels and Electric Vehicle	18/12/2023 to 23/12/2023	LDCE
Prof. Mitul M Makwana	ATAL FDP	Alternate fuels and Electric Vehicle	18/12/2023 to 23/12/2023	LDCE
Dr. Vandana Trivedi	STTP	Emerging Trends and Practices in the Optimization & Sustainable Technology	12days	NITTTR- Ahmedabad
Prof. Harsh Shashtri	STTP	Emerging Trends and Practices in the Optimization & Sustainable Technology	12days	NITTTR- Ahmedabad
Prof. A G Momin	STTP	Metallurgy for Engineers	16/12/2023 to 20/12/2023	NITTTR, EXT Center, Ahmedabad
Prof. H R Patel	ATAL FDP	Alternate fuels and Electric Vehicle	18/12/2023 to 23/12/2023	 LDCE

Prof. Saurabh Shah	Completed PhD	Thesis title "An Investigation of the Machining Characteristics for Hard to Cut Material using TiN Coated End Milling Inserts" under supervision of Dr. Anand Y. Joshi and Dr. Kamlesh V. Chauhan		GTU
Prof. Keyur Hirpara	Completed PhD	Thesis title "Experimental Investigations on Multi-layered Plasma Transferred Arc hard facing on Austenitic Stainless Steel using Cobalt Based Super alloy" under supervision of Dr. Janak Valaki and Dr. Mrunal Chaudhari.		GTU
Dr. Pankaj Prajapati	FDP	Empowering educators in VLSI	18-12-2023 to 22-12-2023	NITTR-Ahmedabad
Dr. Pankaj Prajapati	FDP	Semiconductor Technologies and Manufacturing	6-11-2023 to 10-11-2023	IIT-Bombay



Kinnar Vaghela	FDP	Embedded Linux	18-12-2023 to 22-12-2023	ITTR-Ahmedabad
Ami Gandhi	FDP	Universal Human Values - II	20-11-2023 to 25-11-2023	Online
Sima Gonsai	MOOC	Educational Leadership	July- Oct 2023	NPTEL
Sima Gonsai	MOOC	Stress Management	Aug-Sep 2023	NPTEL
Kinjal Sheth	MOOC	Educational Leadership	July- Oct 2023	NPTEL
Kinjal Sheth	MOOC	Stress Management	Aug-Sep 2023	NPTEL
Dr. Pankaj Prajapati	MOOC	Educational Leadership	July- Oct 2023	NPTEL


Dr. Pankaj Prajapati	MOOC	Stress Management	Aug-Sep 2023	NPTEL
Dhaval N Patel	MOOC	Educational Leadership	July- Oct 2023	NPTEL
Dhaval N Patel	MOOC	Stress Management	Aug-Sep 2023	NPTEL
Hardik B Tank	MOOC	Educational Leadership	July- Oct 2023	NPTEL
Hardik B Tank	MOOC	Stress Management	Aug-Sep 2023	NPTEL
Kirit V Patel	MOOC	Educational Leadership	July- Oct 2023	NPTEL
Kirit V Patel	MOOC	Stress Management	Aug-Sep 2023	NPTEL
Prof. G N Sutaria	ATAL FDP	Alternate fuels and Electric Vehicle	18/12/2023 to 23/12/2023	

Dr. Anil Kshatriya	MOOC	Educational Leadership	July-Oct 2023	NPTEL
Prof. Bharati Basantani, Prof. Hetal Shah, Prof. Stuti Shah	BIS Orientation	Orientation program of BIS	One day (27-10-2023)	Visveswarya Hall, LDCE
Prof. Hetal Shah	Training	Attended 2 days training program for Mentors of Standards Club at BIS branch office, Ahmedabad	2 days (7th & 8th November 2023)	BIS Branch Office, Ahmedabad
Prof. Kintu Jain Prof. Stuti Shah	Start up Conclave	Attended Start Up Conclave 2023, as a part of Vibrant Gujarat Event	1 day (7-12-2023)	Helipad Ground, Gandhinagar
Prof. Bharati Basantani, Prof. Kintu Jain Prof. Hetal Shah Prof. Stuti Shah	Expert Talk	Expert talk on 'SBS modified Bitument' by Dr. Shamsundar Ravindranath Associate Professor, IIT Roorkee,	5-12-2023	Transportation Engineering Department, LDCE

Prof. Hetal Shah Prof Stuti Shah	Completed Swayam Modules 7 & 8 of NITTT, AICTE	Completed the Swayam Modules 7 & 8 of NITTT, AICTE	April-May 2023	Online
Prof. Hetal Shah Prof Stuti Shah	Completed MOOC course	Completed Online Swayam NPTEL course on Rheology and Processing of Paints, Plastic, and Elastomer Based Composites	July – September 2023	Online
Prof. S.J. Padhiyar	FDP	Successfully completed MOOC Course on "SOFT SKILLS" 8 week Course		ONLINE mode
Prof. A.D. Bhatt	Liasioning officer	Startup Conclave 2023	06/12/2023 to 07/12/2023	Helipad ground, Gandhinagar
Prof. G.G. Bhatt,	Coordinator in Finance committee	Hackathon 2023	04/11/2023	L.D.C.E.





Dr. R.N.Desai Prof.S.J.Padhiyar, Prof. B.D. Patel, Prof. G.G. Bhatt, Prof.R.Y.Modan	Conferen ce	Startup Conclave 2023	09/12/2023	Helipad ground, Gandhinag ar
Dr. R.N.Desai Prof. A.D. Bhatt, Prof.S.J.Padhiyar, Prof. B.D. Patel, Prof. G.G. Bhatt, Prof.R.Y.Modan	Expert Session	BIS Education Outreach program	27/10/2023	Upnishad Hall, Computer departmen t, LDCE.
Dr. R.N.Desai Prof. A.D. Bhatt, Prof.S.J.Padhiyar, Prof. B.D. Patel, Prof. G.G. Bhatt, Prof.R.Y.Modan	Expert Session	SBS modified Bitumen : An ideal solution to long lasting road"	05/12/2023	Transporta tion Engineerin g, LDCE
Prof. R.Y.Modan	Logistic officer	Start up Conclave 2023	06/12/2023 to 07/12/2023	Helipad ground, Gandhinag ar
V.B.Thakkar	STTP	Two week training on "Introduction to machine learning"	Two Week	

Prof. A.D. Bhatt,  Prof.S.J.Padhiyar, Prof. G.G. Bhatt, Prof.R.Y.Modan	FDP	NPTEL, Swayam course (Rheology and processing of paints,plastic and elastomer based composites)	July- Sept 2023 (8 Weeks)	Online
PROF J T PATEL	STTP	One week training on "Research Paper and Research Proposal Writing"	One Week	NITTTR Ext Center, Ahmedabad
Prof. Swati J. Patel	STTP	Emerging Trends & Practices in Optimization and Sustainable Technology	Two Week	NITTTR Ext Center, Ahmedabad
Dr. D.V. Bihola Prof.P.M. Mistry Prof. H.J. Jaiswal Prof.S.K. Parmar Prof. K.J. Ponda	STTP	"Educational Leadership" in November, 2023.	Nov 2023	MOOC

Dr. D.V. Bihola Prof. H.J. Jaiswal Prof.S.K. Parmar Prof. K.J. Ponda Prof. S.J. Parapuram	Webinar	Technical Textile & Composites	14/10/2023	Online
Dr. D.V. Bihola Prof. H.J. Jaiswal Prof.S.K. Parmar Prof. K.J. Ponda Prof. S.J. Parapuram	Expert talk	SBS Modified Bitumen	04/12/2023	Transporta tion Engineerin g  Departme nt, L.D. College of Engineerin g
Prof.S.K. Parmar Prof. K.J. Ponda Prof. S.J. Parapuram	Visit	STARTUP CONCLAVE 2023	09/12/2023	Gandhina gar
Dr. D.V. Bihola Prof.S.K. Parmar Prof. S.J. Parapuram	Conferen ce	61st Joint Technological Conference	14/10/2023 to 15/10/2023	Bombay Textile Research Associatio n, Mumbai

Majority Faculties of the Department	Summit	Startup Conclave 2023 organized by Education Department, GoG as a Pre-Vibrant Summit on 06/12/2023	1 Day	Helipad Ground Gandhinagar
Prof. N.V. Sinha	FDP	One Week ATAL FDP on "AI Role in Power System Protection" from 16.10.2021 to 21.10.2021	6 Days	LDCE, Ahmedabad
Prof. S.N. Shivani	FDP	One Week ATAL FDP on "AI Role in Power System Protection" from 16.10.2021 to 21.10.2021	6 Days	LDCE, Ahmedabad
Prof. N.D. Rabara	FDP	One Week ATAL FDP on "AI Role in Power System Protection" from 16.10.2021 to 21.10.2021	6 Days	LDCE, Ahmedabad
Dr. Anil Kshatriya	FDP	Empowering educators in VLSI	18-12- 2023 to 22-12- 2023	NITTR- Ahmedabad



Prof. T.R. Patel	FDP	One Week ATAL FDP on "AI Role in Power System Protection" from 16.10.2021 to 21.10.2021	6 Days	LDCE, Ahmedab ad
		Two-week Faculty Development Program (FDP), titled "Emerging Trends & Practices in Optimization and Sustainable Technology" during November 20, 2023, to December 1, 2023	10 Days	NITTTR Ext. Centre, RCTI Campus, Ahmedab ad
Dr. C. D. Upadhyay	FDP	Two-week Faculty Development Program (FDP), titled "Emerging Trends & Practices in Optimization and Sustainable Technology" during November 20, 2023, to December 1, 2023	10 Days	NITTTR Ext. Centre, RCTI Campus, Ahmedab ad
Prof. M.R. Vasavda	FDP	Two-week Faculty Development Program (FDP), titled "Emerging Trends & Practices in Optimization and Sustainable Technology" during November 20, 2023, to December 1, 2023	10 Days	NITTTR Ext. Centre, RCTI Campus, Ahmedab ad



Prof. J.K. Chavda	FDP	Two-week Faculty Development Program (FDP), titled "Emerging Trends & Practices in Optimization and Sustainable Technology" during November 20, 2023, to December 1, 2023	10 Days	NITTTR Ext. Centre, RCTI Campus, Ahmedabad
Dr. K.A. Bhatt	FDP	Two-week Faculty Development Program (FDP), titled "Emerging Trends & Practices in Optimization and Sustainable Technology" during November 20, 2023, to December 1, 2023	10 Days	NITTTR Ext. Centre, RCTI Campus, Ahmedabad
Prof. B.G. Chaudhri	FDP	One Week ATAL FDP on "AI Role in Power System Protection" from 16.10.2021 to 21.10.2021	6 Days	LDCE, Ahmedabad
Prof. L.K. Katariya	FDP	One Week ATAL FDP on "AI Role in Power System Protection" from 16.10.2021 to 21.10.2021	6 Days	LDCE, Ahmedabad

Prof. G.B. Buch	STTP	One Week STTP on Train the trainers" Electric and hybrid vehicle" during 30/10/2023 to 03/11/2023	5 Days	iACE, Gandhinagar
Prof. M.G. Patel	STTP	One Week STTP on Train the trainers" Electric and hybrid vehicle" 30/10/2023 to 03/11/2023	5 Days	iACE, Gandhinagar
Dr. V.R. Patel	FDP	ATAL FDP on "Alternative Fuels and Electric Vehicles" from 23.12.2023 to 21.12.2023	6 days	LDCE, Ahmedabad



# Community Engagement & Sports

## Community Engagement:

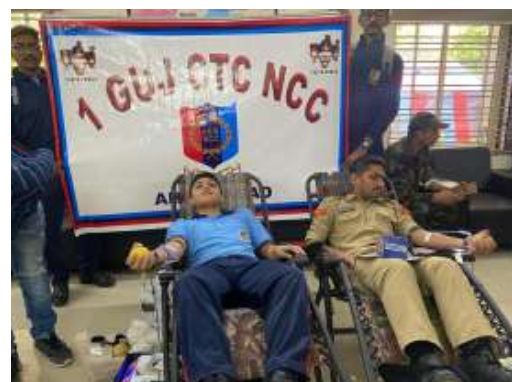
Name of the student/faculty member	Activity	Details
Prof. C D Patel	Cleanliness Campaign	Swacch Bharat Cleaning Campaign organized under NCC LDCE on 1 October 2023
Prof. C D Patel	Blood Donation Camp	Blood Donation Camp was organized by Ahmedabad Group Headquarters NCC at GP HQs Law Garden on 27th November 2023 with 20 no. of cadets
Prof. C D Patel	Awareness Campaign	The International Year of Millet Campaign was organized by 1 GUJ CTC NCC on 6th December 2023 at LDCE Campus, Hollywood Basti with 57 no. of cadets
Vishwa Panchal	National Pre-RD camp in Vijaywada	From November 1st to November 10th,, 2023, NSS diligent Vishwa Panchal, a 7th semester student from the Environmental Engineering Department, attended this National Camp.
NSS committee faculties and student Volunteers	Joy of Giving	NSS LDCE's "Joy of Giving" event, held on December 24th and 25th, 2023, engaged the volunteers in a winter clothing drive and distributing books across different areas like Riverfront, AEC, Gulbai Tekra, Paldi and Anjali Cross Road.



Antariksh Dave	Technical and Entrepreneurship events	Was Student Convener New India Vibrant Hackathon- 2023 Regional Round held on 4 November 2023
Dr. D.V. BiholaProf.P.M. MistryProf. H.J. JaiswalProf.S.K. ParmarProf. K.J. PondaProf. S.J. Parapuram	Swachchhata Abhiyan	All faculties and the students of the department actively participated in the Swachchhata Abhiyan during 23/10/23 to 28/10/23.



**Eat right Movement**



**Blood Donation Camp**



## Sports:

Name of the student/faculty member	Activity	Details
Antariksh Dave	Lawn tennis Tournament AIU	Won Silver and Bronze medal in GTU Spirit Lawn Tennis Tournament held on 11 October 2023 and selected for All India University
Antariksh Dave	Spirit Soft Tennis Tournament AIU	Won Bronze medal GTU Spirit Soft Tennis Tournament 19 October 2023 and selected for All India University
Khushvi Purohit	Basketball tournament	Won gold medal at GTU Basketball tournament in Baroda held on 12 October 2023
Antariksh Dave	Lawn tennis Tournament AIU	Won Silver and Bronze medal in GTU Spirit Lawn Tennis Tournament held on 11 October 2023 and selected for All India University
Antariksh Dave	Spirit Soft Tennis Tournament AIU	Won Bronze medal GTU Spirit Soft Tennis Tournament 19 October 2023 and selected for All India University
Hrishikesh Singh	Javelin	Hrishikesh Singh student of Rubber Technology B.E. Sem-5 participated in Javelin and was runner up in the event at Rajkot on 6th November 2023.
Hrishikesh Singh	Relay	Hrishikesh Singh student of Rubber Technology B.E. Sem-5 participated in Relay and was runner up in the event at Rajkot on 6th November 2023.
Hrishikesh Singh	Long jump	Hrishikesh Singh student of Rubber Technology B.E. Sem-5 participated in Long Jump and won the 3rd prize at Rajkot on 6th November 2023.



Runner up in athletics Interzonals at Rajkot



# OUR TEAM



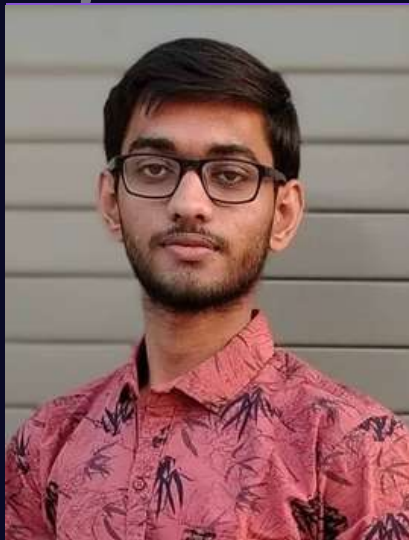
Akshar Chauhan  
Design Team Head  
5th sem



Jabarson Christian  
Content Team Head  
5th sem



Nishit Modi  
Design Team  
6th sem



Divy Kumar Patel  
Content Team  
5th sem



Jyot Shyara  
Design Team  
5th sem



# OUR TEAM



Dev Patel  
Content Team  
5th sem



Aafikhan Malek  
Content Team  
3rd sem

**KRISHA**

Krisha  
Content Team  
5th sem

**JINANSHI**

Jinanshi  
Content Team  
5th sem

**AYUSHI**

Ayushi  
Design Team  
5th sem

