



October-December 2022

# THE TECH PULSE

A Quarterly Newsletter by L. D. College of Engineering

GLOBAL ALUMNI  
CONVENTION 2023  
• A HUGE SUCCESS

L. D. COLLEGE  
OF  
ENGINEERING

**5 STAR INSTITUTE**  
recognition in the  
category of  
Engineering in the  
Gujarat State  
Institutional  
Ratings  
Framework  
(GSIRF).

CHIEF  
MINISTER  
BHUPENDRA  
PATEL

said at event 'GAC'

"If you put the  
students of LD in  
any field, they won't  
fall back."





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Our Team

# EDITORIAL BOARD

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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,

An exceptional year has come to its finale with many memories to cherish. The passion with which we have worked throughout the year has promised a fresh wave of achievements in the New year.

In the last three months of the year 2022, We organized workshops, seminars, industry visits and expert talks. E-Lokarpan of the New Building for Chemical, Rubber and Plastic Department was done by Hon. Vice President of India.

We have been rated with five stars by the GSIRF, another remarkable achievement.

We are awaiting a grand event in January 2023, and I wish all the very best to all stakeholders for the mega success of the event, the Global Alumni Convention scheduled on January 6,7, and 8, 2023.

Best Wishes,  
Prof. Rajul K Gajjar,  
Principal

# Major events

- Dr.R.C.Sonpal Memorial Lecture Series was organized Under the aegis of IGS Ahmedabad Student Chapter, The Institution of Engineers (India) Student Chapter and sponsored by M.K.Soil testing Laboratory Ahmedabad. Under the aegis of this Memorial Lecture Series an Expert talk was organised on "Challenges in Geotechnical Engineering " on October 12, 2022 by the Applied Mechanics Department. The expert for the talk was Dr.K.K.Moza -UNDP Fellow Ex-Govt of India,Senior Geotechnical Consultant . The lecture was coordinated by Dr.M.V.Shah and Prof.S.R.Singh. Prof.P.J.Mehta was the moderator of the session. More than 120 students attended the lecture.
- Union Minister Rajeev Chandrasekhar launched the first Semicon India Future Design roadshow to boost India's semiconductor design industry at Karnavati University on October 17. The event was attended by Computer department faculties and professors from the L.D. College of Engineering.

L.D. College of Engineering Ahmedabad  
UNDER DIRECTORATE OF TECHNICAL EDUCATION,  
EDUCATION DEPARTMENT,  
GOVERNMENT OF GUJARAT, GANDHINAGAR

**"DR R C SONPAL MEMORIAL LECTURE SERIES"**

**APPLIED MECHANICS DEPARTMENT**  
In association with  
**INDIAN GEOTECHNICAL SOCIETY AHMEDABAD STUDENT CHAPTER**  
**THE INSTITUTION OF ENGINEERS(INDIA) STUDENT'S CHAPTER CIVIL**  
**ENGINEERING, LDCE AHMEDABAD, and**  
under the aegis of 75 years celebration of L. D. College of Engineering

Organizes a Webinar on  
**"Challenges in Geotechnical Engineering"**

12<sup>th</sup> October 2022, 11:00am onwards  
Platform: MS Teams

**Dr. K.K. Moza**  
UNDP Fellow Ex-Govt. of India Officer,  
Sr. Geotechnical Consultant

Webinar Link: <https://rb.gy/rmz73m>

Sponsored by:  
**M.K. SOIL TESTING LABORATORY**  
PUNE LIMITED

Patron	Convener	Moderator	Coordinators
Dr. R.K. Gajjar Principal LDCE, AHMEDABAD	Dr. G.M. Tash HOD,AMD LDCE, AHMEDABAD	Prof. P.J.Mehta Assoc. Prof., AMD LDCE, AHMEDABAD	Dr. M.V. Shah Prof. S.R. Singh Asst. Prof., AMD LDCE AHMEDABAD



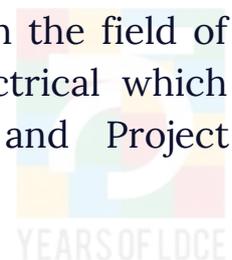
- A farewell ceremony was held for Prof. Tushar Champaneriya and Prof. Yogesh Patel in the Computer Department to thank them for their contributions as educators. The department expressed gratitude for their efforts in imparting education to students.



- A farewell ceremony was held for Shri B.B. Bhatt in the Computer Engineering Department to thank him for his valuable contribution as Computer Programmer. The department expressed gratitude towards him for his efforts during his journey here.



- ISA student section LDCE in association with the Department of Instrumentation and Control, L.D. College of Engineering had organized an Interactive webinar on “Revolutionary Changes in Industrial Automation Post COVID-19” on Google meet platform on the date of 1st October 2022. More than 100 students of instrumentation and control engineering Department second year, pre final year, and final year LDCE as well as students from department of electronics and communication and department of electrical engineering of LDCE had attended the webinar. The webinar was conducted by Mr. Jaimeen Chatrawala. He has 8 Years plus extensive experience in the field of Industrial Automation Projects, Instrumentation & Electrical which include Development, Commissioning, Engineering, and Project Execution.



- ISA student section LDCE in association with the Department of Instrumentation and Control, L.D. College of Engineering had organized an “Orientation Programme 2022 of ISA Student chapter” aiming to involve and encourage the students of 1st year and 2nd year of UG of LDCE to explore and contribute to the chapter. The Programme was organised on 10th December 2022. More than 80 students of 1st and 2nd year attended the event. The patrons of the ISA LDCE, head of department Dr.Manish T. Thakker also Faculty advisor of the chapter, Prof. H.K. Shashtri, faculty coordinator of ISA, has addressed the programme to guide the students about ISA and discuss the various opportunities for students in the chapter.



- An expert talk on “Together Towards Tomorrow” organized in Collaboration with AARAMBH Cell – Student Startup and Innovation Cell and Mechanical department on 21/11/2022 at V J Jani Hall, Workshop building during 11.00am to 12.45pm. Speaker, Mr. Shubhneet Tyagi, CEO of The Australian Institute of Engineering, took the attendees through topics like Industry 4.0 and technologies, Advanced manufacturing in metal industry, Career opportunities or Skill shortages in Australia, Introduction of Australian Institute of Engineering etc. in detail. More than 100 students have participated in the event which was very well coordinated by Dr. Mrunal Chaudhari.



- The Information Technology department organized an expert Talk under the coordination of Prof. Swati J. Patel at Room no 1008, Annexe building on 24 November 2022 for the students of 5th semester. The expert talk was on emerging technology AR VR, taken by the industry experts Mr. Hemal Choksi and Mr. Ovesh from Capermint Technologies Pvt. Ltd. Total 53 students of BE, ME and MCA attended the session.



- An expert lecture on Knitting Technology was organized by the department for the students and Prof. M.R. Patel delivered a lecture on 16th December 2022.

# Industry - Institute Interaction

- A technical Tour to the "Precast Manufacturing Plant" at Sanand Makol, was organized for BE SemVII students on 19th October 22, as a part of their curriculum activity. A total of 38 students had joined the tour along with faculty members Prof.P.J.Mehta, Prof.A.G.Hansora and Prof.P.I.Modi. The tour was arranged under the aegis of LDCE@75 event.
- Mr. Saukat Bhaumik from LDP and his team has arranged a seminar on Automobile students Opportunities in and abroad on 13/10/2022. 40 students have taken advantage of this seminar.



- Field visit to i-Hub IIC Event on 21/11/2022, 46 student and 5 faculty members Prof. Mazarshaikh, Prof. JayendraVasani, Prof. Kalpesh Vaghela and Prof. KartikChaudhri visited and explored facilities and interacted with experts to understand the process and approaches required for problem identification. Furthermore, they have experienced an environment for innovation.

- An expert lecture on “Introduction to Mendeley Reference Manager” by Prof. MohmadIshak A Sheikh, Assistant Professor, Electrical Engineering Department, GEC, Dahod, for postgraduate students of Chemical Engg. Dept. was organized by the Department on 23rd November 2022.
- An expert lecture on “Sustainability using non-conventional resources” by Dr. Jaimin R Vasa, Chairman and Managing Director, Vasa Pharmachem Pvt Limited, for undergraduate students of Chemical Engg. Dept. was organized by the Department on 15th October 2022.



- Two days industrial Visit was organized by the Department under Adani Udaan Project. Three major setups of Adani Groups were visited namely Adani Port, Adani Wilmar and Adani Power Plant at Mundra site. 75 students along with 5 faculties participated in this event. Visit was started on 16th October 2022, 5 AM in the morning and ended on 17th October, 10 PM. Transportation, Accommodation and food were sponsored by Adani Foundation. Trip was managed by students Yug Patel and Harsh Dalwadi and coordinated by Mr. Vishal Patel, Prof. H. K. Shastri and Dr. Manish Thakker.



- Dr Nisha Bora conducted a mentoring session for final year students of Mechanical department regarding Industry Internship – A step towards preparing oneself to transition from Campus to Corporate. 94 students attended the session which was coordinated by Prof. Niketa Patel.
- Mr.Valkesh Prajapati, a member of the 1998 batch and the Managing Director of Oritech, Pvt. Limited, spared his time to the Electrical department for free-of-charge debugging the lab's malfunctioning Power Electronic kits. He included the students in this process and exposed them to further learning opportunities by offering them technical support for troubleshooting and operation of the kits.



- The Information Technology department organized an industry interaction meet at the Department on 21 November 2022. Prof. Swati Patel, Prof. Mital Panchal, Prof. Jaimin Chavda, and Dr. Hiteishi Diwanji interacted with Mr. Vivek Shah, Founder & CEO, Capermint Technologies Pvt. Ltd and Team regarding to start the training/internship program for the Pre Final year students in AR VR.
- Dr. Kuntesh Jani, Prof. Bakul Panchal, and Dr. Hiteishi Diwanji from the Information Technology department had a discussion with TCS AWS people to start a TCS AWS skill development course for final year students at the end of February 2023.
- The Plastic Technology department arranged a pedagogy meeting with Mr. Nitin Pandya of Prasad group of industries on 19th November 2022. Discussion regarding arrangement of expert lectures and industrial visits for the students at Prasad group of Industries was done for the coming new semester.

- An expert lecture was organized on “Biocomposites and Biopolymers” for B.E. SEM VII students on 17th October 2022. The session was delivered by Mr. Prakash Patel, MD, Agile Rubber.
- The Rubber technology department arranged an Expert talk on “Recent developments in technology in Tyre Industries” for B.E. VII SEM students of Rubber Technology on 28th November, 2022. The session was delivered by Mr. Paras Maniar, MD, Matruji Trading, Distributor of Apollo Tyres, Innovative Tyres, CEAT Tyres.
- An expert lecture on “Personality transformation and importance of Ethical Values for society” was organized for B.E. V Sem students of Rubber Technology on 8th December 2022. Ms. Trupti Kothari, Ex-Asst. professor, Rubber Technology has delivered the session.
- The Rubber Technology Department arranged a Placement of CEAT Tyres for BE VII Sem students on 17th November 2022.
- The Rubber Technology Department arranged a Career Counseling Session for B.E. Final year students on “STUDY ABROAD” in association with Pyramid Overseas on 31st December 2022.
- The Rubber technology department arranged the pedagogy meeting with Mr. Suraj Goyani, Rubber Alumni on “Exploration of Global Career Solutions” on 15th October 2022. Dr. R.N.Desai has co-ordinated and Prof. A.D.Bhatt, Prof. B.D.Patel, Prof.S.J.Padhiyar, Prof.G.G.Bhatt, Prof.R.Y.Modan and attended the meeting.
- The Rubber Technology Department arranged a pedagogy meeting with Mr. Joel Lalucherian, Rubber Alumni and pursuing Post graduation from IIT on “Advanced Rubber Compounds for Paint Industries” on 30th December 2022. Dr. R.N.Desai has co-ordinated and Prof. A.D.Bhatt, Prof. B.D.Patel, Prof.S.J.Padhiyar, Prof. G.G. Bhatt, Prof.R.Y.Modan and attended the meeting.



- An industrial visit was organized for students of BE semester V, Rubber Technology at Satyanarayan Rubber & Plastics, Ahmedabad on 26th December 2022. Prof. A.D. Bhatt has accompanied the students.
- Prof.R.N.Desai & Prof.S.J.Padhiyar had an interaction with Mr. Binu P K, General Manager, CEAT Tyres for market opportunities in Tyre Industries and for better performance of students during Campus Placement.
- Prof. R.N.Desai had an interaction with Mr. Hitesh Joshi, R&D Head (Asia, Pacific, and Middle & East Africa) Apollo Tyres regarding involvement and encouragement of Students for participation in Tyre Technology Expo under the Theme of “Redefining the magic triangle for the EV era with case studies” on 21st December 2022.
- Prof. B.D. Patel had an interaction with the Managing Director of Rubber Testing equipment for the upgradation of the laboratory of the Rubber Technology Department.
- Prof. A. D. Bhatt had interacted with Mr. Bhavesh Padhiyar, R & D Executive , GRP Industries for a research project on Use of Ionic Liquid in Elastomers.



# Research & Consultancy

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- RPatent “DRIPTECT” got granted for the term of 20 years in December 2022 to a team of Automobile and Biomedical Students. Gohil Hardik, Patel Chintan, Rupareliya Aman, Vasani Khevna, Derasari Aishwarya, Yukta Jetalpur and Prof. Jayendra Vasani.
- A patent has been granted to Dr. T. S. Rajaraman for an invention entitled “Grey TiO<sub>2</sub> Synthesis Through Aluminium Foil Assisted NaBH<sub>4</sub> Reduction” for the term of 20 years from 23rd December 2021 with the provision of the Patent Act, 1970.
- In the SSIP hackathon 2022, the Computer Department team with the problem statement “Create NFTs (Non Fungible Token) Of Cultural Artifacts For Commercializing Gujarat’s Heritage” was selected in the finals of SSIP 2.0 Hackathon, 2022. The team ID was TM000161 and the problem ID was PID119. The team members were Aditya Tiwari, Sohil Pathan, Naviz Khoja, Akash Parmar, Dev Desai, Shubhr Modh, Udaykumar Gajera, Dixit Tilaji under the guidance of Prof. (Dr.) Hetal Joshiyara.
- In the SSIP hackathon 2022, the Computer Department team with the problem statement “Inspection of Public Services and Development Works based on Geo-tagging” was selected in the finals of SSIP 2.0 Hackathon, 2022. The team ID was TM000248 and the problem ID was PID318. The team members were Teli Sumit, Ahir Yash, Rajyaguru Kairavee, DigvijaySinh Chauhan, Prajapati Shruti, Suvarna Srayshi Sinha, Tiya Mehta under the guidance of Prof. Hetal Pandya.
- In the SSIP hackathon 2022, the Computer Department team with the problem statement “Waste Detector in Indoor Area” was selected in the finals of SSIP 2.0 Hackathon, 2022. The team ID was TM002847 and the problem ID was PID596. The team members were Hady Khan, Snehal Gamit, Dhruv Dodia, Aniket Rohara, Satyam Sinha, Rupinder Raj Karan under the guidance of Prof. Bhavesh H. Parmar.

- In the SSIP hackathon 2022, the Computer Department team with the problem statement “Conversational Chatbot for Institutes” was selected in the finals of SSIP 2.0 Hackathon, 2022. The team ID was TM003318 and the problem ID was PID763. The team members were Patel Rishikumar, Khamar Harshil, Doshi Siddhiben, Rutvik kumar Patel, Neel Shah under the guidance of Prof. (Dr.) Hetal Joshiyara.
- In the SSIP hackathon 2022, the Computer Department team with the problem statement “Deepfake Ransomware” was selected in the finals of SSIP 2.0 Hackathon, 2022. The team ID was TM002716 and the problem ID was PID207. The team members were Rathod Hardik, Patel Lakshyadip kumar, Henil Gandhi, Parth Prajapati, Parmar Aakash, Raj Tada, Divakarsinh Bhabhor under the guidance of Prof. Zishan Noorani.
- Dr. Manish Thakker had guided 2 Hackathon teams (TM002689 and TM002818) at Regional Round of Azadi ka Amrit Mahotsav Hackathon 2022 organized on 7th & 8th at L D College of Engineering, Ahmedabad.
- Prof. N. A. Kanani had guided 1 Hackathon team (TM002244) at Regional Round of Azadi ka Amrit Mahotsav Hackathon 2022 organized on 7th & 8th at L D College of Engineering, Ahmedabad.
- Yash Raval, Dharmik Vaja, Ravi Piprotar, and Kevin Pathak are in their third semester, Electrical Engg. are developing a robot that can be operated by speech. The development of this project is geared towards making the robot operable using voice commands. This voice-activated robot has medical applications. It's feasible that information might be gathered or food and medicine could be given to the patient without ever touching them. It's also a huge help for people with physical impairments. The students built this using only the bare necessities, such as an Arduino, motor, and motor controller. Develop a mobile app for operating the robot.
- Prof. B. D. Patel & Prof. S. J. Padhiyar is doing a research project on “Weapon Gloves”.





- Plastic Technology Department students of the Final year, Rajan Pumbhadiya & Jeet Lukhi had worked on a Hackathon project on “Bioplastics Made from Cactus plant”. Their work was published as an article in Gujarat Samachar Newspaper.
- Two Hackathon projects of Plastic Technology Department final year students were shortlisted for the Final Round of Azadi Ka Amrut Mahotsav Hackathon.
- A Design patent for “Tweel Tire” is accepted and published by patent office India on 07/12/2022 which was filed by students of Rubber Technology under mentorship of Prof. G. G. Bhatt.
- Prof. G. G. Bhatt and team have recently done research work on use of Rice Husk Nano filler in Tyres, Plastic and Paint Industries and it has been published as Media Coverage December 2022.
- Prof. R. N. Desai & Prof. S. J. Padhiyar is currently guiding the research project “Study on Behaviour of Recycling and Composting of Compostable Carry Bags” for Agile Rubber Products.
- Prof. R. Y. Modan is currently working on a research project titled “Insulating Paint”.

# Student Achievements

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- 21 Students of final year got placement in Reliance Industries Limited with 7.5 LPA package.
- Harsh Rana, Bhavin Panchal, Mayur Panchal, Milan Mori, Ravi Rasaniya students from the 2022 batch are selected as GAT in Tata Motors from the automobile department.
- Das Satishkumar Premkumar, Kush Bharatbhaiv Chaudhary, Modi Karan Anandkumar, Rajput Roshansingh Vishwavijaysingh, Rathod Dhruv Shankarbhai, Babariya Rushang Samirbhai, Beladiya Arjun Rameshbhai, Dholakia Shukan Satishchandra, Mahavar Yash Rajnishbhai, Panchal Meet Mukeshbhai are selected for internship at Tata Motors from automobile department.
- 2 teams shortlisted to participate in the final round of “Azadi ka Amrit Mahotsav” Hackathon 2022 under the mentorship of Prof. C. D. Patel. Team-1: Pre and Post Monsoon Inspection of Bridges Tarang Patel, Sneh Bhavsar, Preet Vasava, Kashish Sharma, Ritu Barad (3rd Year Students); Team-2: Health monitoring of structures Mauli Timani, Jeel Gajera, Nagesh Parmar, Ayush Nai, Kartik Suthar (3rd Year Students).
- A Hackathon problem solution proposed by students of M.E. Sem-III Geotech led by Sparsh Shukla and mentored by Dr. Manish V. Shah had featured in one of the leading newspapers. The solution proposed is for the "Controlling damage in the Food pipelines with the help of Bacteria".
- Students Sanidhya Dabhi & Maulik Chotaliya of BE Civil Sem 7 secured 2nd position at National level Competition Geo Visleshana-2022 mentored by Dr. Manish V. Shah organized by Indian Geotechnical Society –SC7- Student Chapter Activities and Continuity Education from 22/9 to 26/9. Students Received Certificate and cash prize of Rs.7500/-

- Krushil Patel, student of Sem 5 and group won 1st prize in Western Group Song competition of GTU Interzonal Youth Fest held on 14th and 15th October 2022.



- Krushil Prate, student of Sem 5 and group won 2nd prize in Indian Group Song competition of GTU Interzonal Youth Fest held on 14th and 15th October 2022.



- During the AAM Hackathon 2022, a team of eight students from the Computer, EC, and Mechanical departments, under the guidance of Prof. Bhavesh Parmar, developed a robot that locates and cleans trash in the home. News18 Gujarat covered the project.





- A 7th-semester student named Hady Khan from the Computer Engineering Department at LDCE was chosen out of the thousands of applicants from across India for the Research Fellow Internship at IIT Bombay in the robotics and AI domain.



- A student, named Vora Bhaskar(17617031122), received a gold medal for standing first in the Diploma in Electronics and Communication Engineering. Congratulations to him for achieving the 'Branch Topper' title in GTU 10th Convocation on 18th January, 2021.





- A student from Computer Engineering Department, named Priyanshu Gohil [1xAWS Certified, 1xGoogle Certified, 1xMicrosoft Certified, Cloud Engineer], was placed in one of the fastest growing companies Intuitive Cloud with package of 10 LPA and recently started his internship as a Cloud Engineer in December 2022. He got some amazing welcome kits and company assets for working purposes from Intuitive. Cloud and happily completed an office tour and some basic stuff on the first day of the Internship. He is a bright student of the Computer Engineering Department of LDCE and also achieved three certifications of top cloud service provider within a month.



- Mr. Sumit Chudasama, Mr. Harsh Katariya and Mr. Rohitkumar Mevada, student members of Ishrae chapter of LDCE, (Sem7 Mechanical department) Volunteered their services and became part of 5th edition of Refcold India 2022, at Mahatma Mandir, Gandhinagar during 8th to 10th December 2022. Refcold India is Ishrae initiative and South Asia's largest Exhibition and International conference on Cold chain and Refrigeration Industry solution.



- Serving the country and aiding in its service is a source of tremendous pride. Every year on the occasion of Republic Day, Delhi puts on a beautiful parade. And it gives us great joy that HepinPipariya, a student of 5th semester and an enthusiastic NSS Volunteer of Electrical Engineering Department, has been shortlisted to participate in Delhi's cherished Republic Day Parade.



- Three graduating seniors from LD Engineering College's Electrical Department—Ratnam Shah, Jay Shah, and Shreyas Patel—formed the "Celer" team and, with faculty guidance, built an electric bike with a fully self-made battery charger and motor controller. Grant funding from SSIP LDCE, administered by the Government of Gujarat, was used to design and build a battery charger for electric vehicles as well as a BLDC motor controller. This charger charges a battery far more quickly than a standard charger does while also decreasing energy waste.



- Raguvir Gondaliya, graduated in 2022, got selected in Agnikul Cosmos Pvt. Ltd. incubated by IIT-madras as a Space Robotics and Control Engineer.
- Mr. Ashwin Patel, a 1993-97 batch alumni who is currently serving as the Director of "SARK EPC Projects Ltd." has been featured on the cover page of renowned magazine Industry Outlook of its December-2022 issue.



- Environmental Engineering students namely Nithyaashree P Chettiar (Enrolment no - 200280113004), Krunal Ninama (Enrolment no - 200280113018) and Mihir Ravat (Enrolment no - 200280113028 ) won the First and Third position in Ad-MAD show event and Reel to Real event respectively at GTU TECHFEST 2022, which was held GTU during 10th to 12th October 2022.
- Environmental Engineering department student Vaishakhi Arbastani(200280113049) has won 4th position at inter-zone yoga competition which was held at GTU on 28/11/2022. Now she will participate in an All India university (AIU).



- Ranker prize has been given to Ms. Pooja Patel and Ms. Ujala Sharma by The Textile Association India, Ahmedabad Unit during AGM.
- One student & faculty of Plastic technology Department attended the Gujarat Gyan Guru Mega Final Quiz at Transtedia, Kankaria on 21st October 2022.
- Plastic Technology Department students of the 3rd Semester took part in the Defence Expo scheduled during 18th to 22nd October at Gandhinagar

- Sandip Kanjariya and a team of 6 students of B.E. Rubber Technology have been selected for the grand finale in Azadi Ka Amrut Mahotsav HACKATHON 2022 for working on “Improvement in life cycle of Tires”.
- Raj Vasani, a student of B.E. Rubber Technology semester III participated in “INN-O-SPARK Technical Quiz” organized by Innovator Club of LDCE.
- Sonani Manthan, & Vekariya Dhruvin have been selected as Graduate Trainee Engineer, GET at CEAT Tyres.
- Rajpara Raj & Parth Savani have been selected for Internship at CEAT Tyres.
- Students of Rubber Technology department have attended a students encouraging Programme on “Effective Implementation of various central government schemes (SSIP, MYSY,SHODH,NAMO WiFi )” a motivational speech delivered by Honorable Vice President of India, Dr. Jagdeep Dhankar at Gujarat National Law University, Gandhinagar on 14th October,2022.
- Students of Rubber Technology department have attended a DEFEXPO22 INDIA, organized by the Ministry of Defence at Gandhinagar during 20th - 22ndOctober 2022.
- 3 Teams of Rubber Technology students have participated in Azadi ka Amrut Mahotsav Hackathon-2022 and out of that 1 team has been selected for the regional round.



# Faculty Achievements

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- Dr. T. S. Rajaraman Successfully completed his PhD under the guidance of Dr. Sachin P. Parikh from Gujarat Technological University.
- A patent has been granted to Dr. T. S. Rajaraman for an invention entitled “Grey TiO<sub>2</sub> Synthesis Through Aluminium Foil Assisted NaBH<sub>4</sub> Reduction” for the term of 20 years from 23rd December 2021 with the provision of the Patent Act, 1970.
- Dr. Manish V. Shah has received “Certificate of Appreciation” for his efforts in preparing the Question bank of more than 40000 questions (including both in English & Gujarati) booklet for India’s biggest ‘Gujarat GyanGuru Quiz (G3Q) 2022 organized by Department of Education, Govt of Gujarat during Aug 2022 to October 2022.
- Prof. Yogesh J. Chauhan delivered expert lectures on “Numerical Modelling of Offshore Triceratops in ANSYS AQWA” at Ocean Engineering Department, IIT Madras.
- Prof. Yogesh J. Chauhan successfully completed NPTEL SWAYAM MOOC course titled “Bridge Engineering” with Gold badge and being topper in the course.
- Prof. (Dr.) Hetal A. Joshiara of the Computer Engineering Department, L. D. College of Engineering, was felicitated by Gujarat Technological University on the occasion of Birsa Munda Jayanti for her contribution in the field of Research and Innovation.





- Dr. Manish Thakker was invited to chair a session at 2nd Multi-Disciplinary International Conference GTU ICON 2022 in Engineering Theme : Emerging Trends in Engineering & Technology organized by Graduate School of Engineering & Technology, GTU, Ahmedabad



- Dr. Manish Thakkar along with Dr.Chirag Thakkar,Dr. Sanjay Prajapati, Dr. Mrunal Chaudhary and Dr. Purvi Ramanuj had represented Achievements of students and faculties at 4th IIC(Institute Innovation Council, MHRD, AICTE) by presenting poster on 18.8.2022



- 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.
- Dr. Manish Thakkar had attended PSAA ( Plasma for Space and Aerospace Application) - 2022 at FCIPT Gandhinagar on 24-25th November 2022



- Dr. Manish Thakkar is 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 GreenHouse System ( GHS) on 3.11.2022
- Dr. Manish Thakkar and Dr. Dipesh Makwana had attended ISA (International Society of Automation) Ahmedabad chapter industry academia meet on 16th December 2022





- Dr Nisha Bora was appointed as External Examiner for final PhD defence and public viva voce examination for the PhD thesis “Investigation and Performance analysis of solar still with hybrid nanoparticles” on 03/12/2022.
- Prof. A G Momin participated in a seminar on “public forum on Respect Food” at Tagore Hall, Paldi, Ahmedabad which was organised by Climate Change department of Gujarat and GEDA on 7th October 2022.
- Prof. Dr. C. H. Vitthlanireviewed an AICTE book titled “MICROCONTROLLERS AND APPLICATIONS” written by Prof. Santanu Chattopadhyay.
- Dr. Sanjay K. Patel delivered an expert talk on “Uniform Continuity” at the Problem Solving Workshop and Enrichment in Mathematics (PSWEM 2022) organized by the St. Xaviers Science College Ahmedabad on 24 December 2022.
- Dr. Pragnesh L Thakkar was invited as a Judge in Science Mathematics and Environment exhibition2022-23 organized by DIET (District Institute of Education & Training) and DEO (District Education Office) at DIET Office Gota, Ahmedabad on 12th January 2023.



- Dr. Hiteishi Diwanji delivered an expert talk on "Cyber crimes and Safety" for the celebration of "Cyber Jagrukta Diwas" in the National Statistics Office.
- Dr. Ashwin Thakkar received Service Award from The Textile Association India, Ahmedabad Unit during AGM.
- Prof. S.J.Padhiyar has delivered an expert session on Curriculum Development for Rubber Technology at Vidya Bhavan Polytechnique College, Udaipur and received a recognition from Dr. Vikram Singh Kumavat , Head, Department of Polymer Science & Rubber Technology on 2nd November 2022.
- Prof. A.D. Bhatt participated in a programme of Gujarat Gyan Guru Mega Finale Quiz arranged at Transtedia, Kankaria Lake, Ahmedabad on 21st October 2022.
- Prof. G.G.Bhatt and team have been selected for the Grand Finale of Azadi Ka Amrut Mahotsav HACKATHON 2022.



# Community Engagement

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- NSS LDCE organized this year's SPECIAL CAMP at Giramtha village from November 5 ,2022 to November 11,2022.The motto of the Special Camp was to interact with village people and to spread awareness among the villagers.



- More than 30 students enrolled under NCC and NSS served as volunteers in the 36-National Games held at 7 different locations in Ahmedabad during 27th September to 10th October 2022.



- More than 50 students enrolled under NCC and NSS served as volunteers in the Defence Expo-22 held at Gandhinagar during 18-22 October 2022.
- A workshop titled “Girl’s safety and Cyber Security Awareness” has been jointly organized by ICC and WDC Team LDCE and SHE Team of Gujarat University Police Station, Ahmedabad on 15/10/2022 at Vishwakarma Hall, LDCE during 11.00am to 1.00pm. Session was chaired by eminent speakers Dr. Lavina Sinha - DCP Gujarat Police and Ms. Mini Joseph-ACP Gujarat Police. Dr. Komal Dave and Rupande Desai medam has coordinated the event with the help of Prof Z B Parekh (Electrical Dept.) Prof D R Gohel (Science and humanity Dept.), Prof S J Patel (Mechanical Dpat.), Prof Anal Bhatt (Rubber Dept).



- NSS unit of LDCE, Ahmedabad organized 'Joy of Giving' with Christmas on doorsteps. Its primary aim was to bring a smile to the faces of the people living on the footpaths, who are ignored even before our eyes and to help those who cannot even meet their basic necessities. The Mega Collection Drive was held at our campus to collect old clothes, shoes and blankets from December 12, 2022, to December 23, 2022. Distribution Drive was done on 25-26 December 2023 to the needy people.





- Yash Hirani (3rd Sem), Krushi Patel(3rd Sem), Disha Solanki(3rd Sem), Shubham Golvelkar(3rd Sem), Jinansh Chauhan (5th Sem), Shreya Patel(5th Sem), Utsav Patadiya(5th Sem), Shreyash Mudakavi (5th Sem) have participated in various and us activities like “Joy of Giving”, “Special Camp”, “National Integration Camp”, “ Ummed”, “Rang Amiazy”, “Blood Donation Camp”, “Health Checkup Camp” etc running under NSS during different durations between October to December 2022

## City SPORTS /

વોટર સ્પોર્ટ્સ કેમ્પ શિબિરનું આયોજન કરાયું



એનએસએસ વિભાગ અને એબીવીઆઈએમએસ વોટર સ્પોર્ટ્સ ટ્રેનિંગ સેન્ટર સાથે મળી પોંગ રેમ, કાંગરા, હિમાચલ પ્રદેશ ખાતે વોટર સ્પોર્ટ્સ કેમ્પ શિબિરનું આયોજન કરવામાં આવ્યું હતું. આ શિબિરમાં ઉત્સવ પાટડિયા દ્વારા એલડીસીઈ અને ગુજરાત રાજ્યનું પ્રતિનિધિત્વ કર્યું હતું. આ શિબિરમાં કુલ ૩૫ વિદ્યાર્થીઓએ ભાગ લીધો હતો.



## NCC :

- Khushvi Purohit of 5th EC participated in All India Vayu Sainik camp and 4th all over India in skeet shooting under NCC activity.
- Hardipa Mandaviya and Sharma Pulkit of 5th EC participated in Defence Expo during 18th October to 22nd October 2022
- Hardipa Mandaviya of 5th EC participated in National Games during 29 th September to 12th October 2022.
- Plastic Technology students of 3rd semester participated for volunteering in NSS Special Camp 2022 from 5th November to 11th November 2022
- Dhyan Patel, Ankit Shingala, Aayush sharma and Nihar Shah the students of B.E. Rubber Technology semester III has successfully Participated in “ JOY OF GIVING ” organized by NSS LDCE on 25th and 26th December 2022.
- Ankit Shingala student of B.E. Rubber Technology semester III participated and successfully worked in the cultural team of NSS Orientation organized on 12th October 2022.
- Parth Patel, Dhyan Patel and Nihar Shah the students of B.E. Rubber Technology semester III has successfully completed NSS Special Camp 2022 organized by NSS LDCE on November 5, 2022 to November 11, 2022 at Girmatha, Ahmedabad.

# Sports

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- Zeel Patel, a student of Sem 5 and the team won Trophy in Volleyball tournament at GTU Spirit 2022.
- Antariksh Nayankumar Dave of Sem-1 EC and Rhythm Mahale of Sem -3 EC became runner up in inter-zonal Tennis competition held on 11th November-2022.
- Antariksh Nayankumar Dave represented GTU at the All India level soft Tennis competition in Mumbai.



- Nikita Nagdevani, an ME SEM 3 student of the Information Technology Department, qualified for 3rd round in AIU WEST ZONE INTER UNIVERSITY BADMINTON TOURNAMENT 2022-2023 (NATIONAL'S TOURNAMENT) in BADMINTON head on from 20 TO 23 December 2022.
- Hrishikesh Singh, a Rubber Technology BE sem III student, has achieved 1st prize in 400-meterace and 3rd prize in shot put in GTU Spirit-22, organized by GTU at Rajkot Race course ground on 24th November 2022.
- Pratik Vaniya, a student of Rubber Technology BE sem III has achieved 3rd prize in High Jump, GTU Spirit-22, organized by GTU at Rajkot Race course ground on 24th November 2022.

# Publications

- Dr. S. M. Dutta published a book chapter “Dr. P.H. Rana Published a research paper on “One-pot reductive etherification of 5-hydroxymethylfurfural into biofuel (2,5-bis (propoxymethyl) furan (BPMF)) using mixed catalyst  $ZrO(OH)_2$  and  $Zr-H\beta$ ” in New Journal of Chemistry on 29th November 2022. Page: 891-899.
- Fundamentals of membranes for wastewater treatment: Challenges and opportunities for resource recovery”, in the book named “Novel Approaches Toward Wastewater Treatment and Resource Recovery Technology”, Elsevier, 2022: pp. 133–152.
- Javed N Malika, Shreya Arora, Mahendrasinh S. Gadhavi, Gurvinder Singh, Prabhat Kumar, Frango C.Johnson, Mahesh Thakur and Javed Raoo (Dec-2022), Geological evidence of paleo-earthquakes on transverse right-lateral strike-slip fault along the NW Himalayan front: Implications towards Fault Segmentation and Strain Partitioning, Journal of Asian Earth Sciences, <https://doi.org/10.1016/j.jseaes.2022.105518>.



- A Master's student from the Computer Engineering department, named Rajshree Vasava, presented a paper at the 6th International Conference on Electronics, Communication and Aerospace Technology (ICECA 2022) organized by RVS Technical Campus, Coimbatore, Tamil Nadu, India held on 1-3 December 2022. Her paper was entitled "Lung Sounds Identification Based On Transfer Learning Approaches : A Review" and it's going to be published in IEEE. Many congratulations to her for achieving the first milestone. It was co-authored by Dr. Hetal Joshiara.
- Dr Manish V Shah & Rutvik K Kalthiya (PG Student) published research paper titled "Model Study on Single Pile Subjected to Axial and Inclined Embedded in Contaminated Soil' in Springer Book Series- Lecture Notes in Civil Engineering as a Part of Proceedings of IGC 2021' Foundation and Forensic Geotechnical Engineering, LNCE Vol 295, Nov 2022, DOI: 10.1007/978-981-19-6359-9\_10, Page: 93-106, Print ISBN: 978-981-19-6358-2, Online ISBN 978-981-19-6359-9.
- Dr Manish V Shah, Prof A J Shah & Milee Baranda (PG Student) published research paper titled "Compressibility Characteristics of Soft Kaolinitic Clay Mass Through Perforated Bamboo Using Model Consolidation Test " in Proceedings of 10th International Conference on Physical Modelling in Geotechnics(ICPMG 2022) organized by Korean Geotechnical Society in association with ISSMGE from 19th-23rd September 2022 at KAIST, Daejeon, Korea.



# Professional Development

Sr No.	Title	Name of Faculty	Department	Organised by	Date
01	Research Methodology and Data Analytics	Prof. Vivek G. Trivedi	Automobile Engineering	NITTTR Bhopal	26/12/2022 to 30/12/2022
02	"Digital circuit designing using Multisim"	Prof. L. S. Patel	IC Department	NITTR Bhopal	12/09/2022 to 16/09/2022
03	Fundamentals of Artificial Intelligence	Dr. Ronak R. Patel	Chemical	NPTEL	25/07/2022 to 14/10/2022
04	Fundamentals of Artificial Intelligence	Dr. T. S. Rajaraman	Chemical	NPTEL	25/07/2022 to 14/10/2022

05	Fluidization Engineering	Prof. Nikita Ambegaonkar	Chemical	NPTEL	25/07/2022 to 14/10/2022
06	Ground Water Recharging	Dr. S. C. Rathod	Civil Engineering	NITTTR, Bhopal	19/12/2022 to 23/12/2022
07	Train the Trainer Program on Welding Technology	Dr. M. D. Chaudhari	Mechanical Engineering	iACE, Gandhinagar	10/10/2022 to 14/10/2022
08	Wastewater Treatment and Recycling	Prof. Dimpi P. Shah	Environmental Engineering	Online MOOC Training	25/07/2022 to 14/10/2022 (12 weeks)
09	Wastewater Treatment and Recycling	Prof. Amruta S. Kuhikar	Environmental Engineering	Online MOOC Training	25/07/2022 to 14/10/2022 (12 weeks)

10	Wastewater Treatment and Recycling	Prof. Chetna S. Patel	Environmental Engineering	Online MOOC Training	25/07/2022 to 14/10/2022 (12 weeks)
11	Wastewater Treatment and Recycling	Prof. Bina B. Patel	Environmental Engineering	Online MOOC Training	25/07/2022 to 14/10/2022 (12 weeks)
12	Municipal Solid Waste Management	Prof. Yogeshkumar M. Gajera	Environmental Engineering	Online MOOC Training	25/07/2022 to 14-10-2022 (12 weeks)
13	Municipal Solid Waste Management	Prof. Vishwa H. Shukla	Environmental Engineering	Online MOOC Training	25/07/2022 to 14/10/2022 (12 weeks)
14	Research Methodology & Data Analysis	Prof. H.J. Jaiswal	Textile Technology	NITTTR, Bhopal	26/12/2022 to 30/12/2022
15	PLEXCONNECT- Webinar on European Union Plastics Recycled Materials updates for the food contact applications	Kintu Jain Hetal Shah Stuti Shah	Plastic Technology	PLEXCONNECT	16-12-2022

16	Public Forum on "Respect Food"	Stuti Shah	Plastic Technology	Govt. of Gujarat at Tagore Hall, Paldi	07-10-2022
17	ASIA LABEX 2022	Prof. R.N. Desai, Prof. B. D. Patel, Prof. S.J. Padhiyar	Rubber Technology	Team Asia Labex	08/12/2022 to 10/12/2022

# OUR TEAM

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Tiya Mehta  
Team Head  
6th sem



Shaikh Mohammad Anas  
Design Team  
6th sem



Poojan Soni  
Design Team  
6th sem



Akshar Chauhan  
Design Team  
3rd sem

# OUR TEAM



Naineel Soyantar  
Design Team  
6th sem



Divy Patel  
Content Team  
3rd sem



Jabarson Christian  
Content Team  
3rd sem

**ADITYA**

Aditya Panchal  
Content Team  
6th sem

**KRISHA**

Krishna Kothadiya  
Content Team  
3rd sem

**RAHUL**

Rahul Gohil  
Content Team  
6th sem

# OUR TEAM

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**SHREY**

Shrey Shah  
Content Team  
6th sem

