

NIRMAN



DEPARTMENT OF CIVIL ENGINEERING

**L.D. College Of Engineering,
Ahmedabad, Gujarat.**

Academic Year 2023-24



L. D. College of Engineering endearingly known as L.D.C.E is Ahmedabad's premier engineering college situated at the city's heart and surrounded by elite organization like PRL, ATIRA, ISRO, IIM and CEPT. Starting in 1948 to impart quality higher education in various fields of engineering, it has seen unprecedented growth.



Established in 1948, the Civil Engineering Department at LD College of Engineering is one of Gujarat's oldest and most reputed engineering departments. It offers NBA- accredited undergraduate and postgraduate programs in key areas like Water Resources, Geotechnical, Environmental, and Transportation Engineering.

The department boasts state-of-the-art labs, experienced faculty, and active involvement in research, consultancy, and field-based learning. Students benefit from industrial visits, seminars, workshops, and participation in clubs like Robocon and SAE.

Graduates from the department hold leading roles in government bodies, private firms, and global infrastructure companies, contributing to the nation's development with technical excellence and ethical values.

Vision

- To mould the students into Professionals abreast with latest Skills and Innovative Research Orientation, to enhance the Knowledge of Faculty Members and Academic Infrastructure to Excellence, and to serve the Society with Novel Technology

Mission

- To combine quality education with career focussed learning and the application of knowledge.
- To provide ambience of research and innovation.
- To provide the best resources along with expertise of faculty.
- To inculcate professional ethics and instil the sense of responsibility towards the society.
- To create opportunities for industry-academia collaboration in order to explore the new avenues in the field of civil engineering.

PEOs

- PEO1: Be equipped with knowledge, skills, attitudes and abilities to perform various functions as competent professional civil engineer in different capacities and roles.
- PEO2: Pursue Technological Innovations and Advancements.
- PEO3: Develop capabilities to solve real life problems.
- PEO4: Serve Industry with professional Ethics and society with moral responsibilities.
- PEO5: Develop leadership, resource management skills and exhibit good teamwork in multidisciplinary projects.

PSOs

- PSO1 : Become competent and responsible professional.
- PSO2 : Perform efficiently in multidisciplinary project.
- PSO3 : Explore technological advancements and innovations in the engineering field.

: Under Graduate / Post Graduate Courses :

Name of Course	Type	Period (Years)	Intake	Year of Commencement
Civil Engineering	UG	4	120	1948
Transportation Engineering	PG	2	18	2001
Water Resources Engineering	PG	2	25	1986
Civil Engineering	Working Professional	3	30	2024

We are proud to share that the undergraduate civil engineering program has been re-accredited by the national board of accreditation (NBA) for the period july 2022 - june 2025. This continues our legacy of quality, with past accreditations in 2005 - 08, 2012-15 and 2019-22. Our PG programs in water resources management and transportatior also been previously accredited, showcasing our strength in advanced civil engineering education.



FROM THE DESK OF THE HEAD OF DEPARTMENT

Dear Readers,

It gives me immense pleasure to present to you the first edition of our departmental magazine, NIRMAN. This initiative marks a meaningful milestone in how we communicate the vibrant spirit, achievements, and aspirations of our Civil Engineering community at LDCE.

I wholeheartedly appreciate the sincere efforts of our faculty members and students who played a pivotal role in turning this vision into a reality. Their commitment to bringing forward consistent and informative publication is commendable.

This inaugural issue offers a glimpse into the various events, academic achievements, student accolades, and faculty initiatives that have shaped our department over the past term. It is a celebration of hard work, teamwork, and a shared dream to elevate the Department of Civil Engineering to national prominence and make LDCE a beacon of innovation, sustainability, and excellence.

As civil engineers, we are entrusted with the responsibility to build not just infrastructure, but the very foundation of society. I hope this newsletter becomes a bridge connecting our alumni, industry partners, faculty, and students fostering dialogue, inspiration, and progress. As HOD, I am proud of our dedicated faculty and the enthusiasm of our students. Together, we aim to foster excellence in academics, research, and practical innovation.

Thank you for being part of this journey.



Warm Regards
Dr. Rajesh Jain

Head, Department of Engineering

“SAHYOG 2023”

Industry - Academia Meet

Date: 16/09/2023



Industry-Academia Meet: Bridging the Gap for a Better Tomorrow

The Department of Civil Engineering Department L. D. College of Engineering successfully organized an **Industry-Academia Meet** on [16-9-2023] at [Vishwakarma Hall CED, LDCE]. The event brought together thought leaders, industry professionals, academicians, researchers, and students on a common platform to foster collaboration knowledge exchange, and innovation.

The primary objective of the meet was to bridge the existing gap between academic learning and industrial application by encouraging dialogue on emerging trends, practical challenges, and skill requirements in today's rapidly evolving professional landscape.





In-house Events Organized

**Road Construction and Hot mix plant Visit, Ahmedabad by B. E. Sem. 6 Civil
with faculty Prof. V.J. Chitaria, Prof. Dr. T.H. Vyas & Prof. J. P. Modi.**

**Karai Syphon Aqueduct, Kadi Y-Junction, Technical visit with BE Sem VII Students and
Faculty Dr R M Jain, Dr P K Shah, Prof Z J Chovatiya & Prof S S Dixit, Prof. Dr. Shivendra Jha**



**Engineering Workshop at Sabarmati (Kaligam), visit by sem-7 students &
Faculty Dr. S. C. Rathod Prof. S. H. Kazi & Prof. C. N. Bhavsar**



**Technical visit at Vasna Barrage Students with
Faculty Prof R M Jadav, Dr P K Shah, Prof C N Bhavsar, Prof S S Dixit**



- Prof. Dr. R.K. JAIN has Published a paper in ISH Journal of Hydraulic Engineering, Taylor & Francis Title: Dam break analysis of Ajwa dam during an extreme flood event in vismamitri basinunder in June 2024.
- Prof Dr.R. N. Shukla has published a paper in Journal of Xidian University <http://xadzkjdx.cn/> Title : Accident Investigation at Intersactions and Design for Mitiogation of Fatal Accidents in Ahemdabad in July 2023
- Prof Dr. R.N. Shukla has published a paper in Journal of Xidian University <http://xadzkjdx.cn/> Title : Coordination between BRTS and Metro system using cluster analysis in Aug. 2023
- Prof Dr. Z.R. Chhaya has published a paper in conference of Structural Engineering Convention 2023 at VNIT Nagpur, Title: Design perspectives of the structural modes for ground liquid storage steel tanks in Dec 2023.
- Prof Dr. Z. R. Chhaya has published a paper in conference of Structural Engineering Convention 2023 at VNIT Nagpur, Title: Generalized single degree of freedom analysis for buckling of steel tanks in Jan 2024
- Prof Dr. M. S. Gadhavi has published a paper in International Journal of Asian Earth Sciences, Title: Geological evidence of paleo-earthquakes on a transverse right-lateral strike-slip fault along the NW Himalayan front: Implications towards fault segmentation and strain partitioning in April 2023.
- Prof Dr. M. S. Gadhavi has published a paper in International Journal of Emerging Technologies and Innovative Research, Title: Comparison of Shoreline Change Analysis using EPR and LRR methods along the Coastal Region, in OCT 2023.
- Prof Sahista H Kazi has published a paper in National Conference of for Title: Evaluating the Impact of Flyash and Admixtures on Slope Stability: A Comprehensive review in 2023.
- Prof Dr. M. M. Shaikh & Prof. Dr. Shivendra Jha has published a paper in International Journal of MDPI WATER for a Title: Application of the weighted Arithmetic water quality index in assessing ground water quality: A case study of the south Gujarat region, In Oct 2023.
- Prof Dr. Shivendra Jha has published a paper in International Journal of JOURNAL OF ENVIRONMENTAL INFORMATICS LETTER, Title: ASSESSMENT OF RESERVOIR SEDIMENTATION USING GEOSPATIAL TOOLS: A CASE STUDY OF KADANA RESERVOIR, Dec 2023.
- Prof S.S. Dixit Jha has published a paper in International Journal of OURNAL OF ENVIRONMENTAL INFORMATICS LETTER, Title: ASSESSMENT OF RESERVOIR SEDIMENTATION USING GEOSPATIAL TOOLS: A CASE STUDY OF KADANA RESERVOIR, in Dec 2023.

Student Spotlights : Efforts & Excellence

We are proud to share that more than 50% of our students have been successfully placed in prestigious and reputed companies across various sectors. Our students have secured positions in top-tier organizations such as Larsen & Toubro (L&T), Adani Group, GNFC and several other industry leaders known for their excellence, innovation, and global presence.

This achievement reflects the strength of our academic curriculum, industry-aligned training, and the dedicated efforts of our placement cell. Our consistent focus on skill development, internships, and professional readiness has made our graduates highly sought after by employers in core engineering, infrastructure, energy, consulting, and allied industries.

We continue to strive for even greater placement outcomes by fostering strong industry-academia collaborations, enhancing technical competencies, and preparing our students to meet the evolving demands of the professional world.

YEAR	2023-24	(Placed in Companies or Govt. Sector)	
200280106001	Solanki Harshkumar Bharatbhai	Adani	GET UID: 7356390 Date: 28-06-2024
200280106002	Patel Yash Bhaveshbhai	Adani	GET UID: 7356244 ate: 28-06-2024
200280106004	Goswami Vaishnavi Bhaveshgiri	Ultratech Cement Limited	CN082448189
200280106006	Paliwal Heally Rahul	L&T Power	I-Card P.S.No. 20368708
200280106008	Rathod Aryan Anilbhai	Infra Market	TL/2410213036 dt: 21/10/2024
200280106009	Gohil Kuldeepsinh Dharmendrasinh	Mehta Group	SCL/2024 Dt: 05/06/2024
200280106010	Rathod Komalkuvriba Rajendrasinh	Arcelor Mittal	GET SR20240361 dt: 29/03/2024
200280106013	Sonara Nirav Vikrambhai	Academor	OL NO.AM7554 dt:23/10/2023
200280106015	Machhar Urvashiben Parsingbhai	Arcelor Mittal	dt:21/08/2024
200280106016	Prajapati Vidhi Rohitkumar	Shreem Design	dt:20/04/2024
200280106017	Savaliya Harmish Jivanbhai	GNFC	HR/REC/TRAINEE/2024/424 dt:13/07/2024
200280106018	Modi Krina Snehal	GNFC	HR/RECITRAINEE/2024/426 dt.13/07/2024
200280106019	Khandhar Ratilal Maganbhai	Ultratech Cement Ltd.	CN082447944
200280106021	Upadhyay Jay Ashishbhai	Adani	UID: 7357558 Date: 04/07/2024
200280106022	Karnavat Utsavkumar Govindbhai	Hi-Tech Projects	FCN-HR-07 (R4) dt: 03/01/2024

Excellence Beyond the Classroom : Achievements in Sports and Co-curricular Activities and technical events.

At the Department of Civil Engineering, we take immense pride in nurturing well-rounded individuals who not only excel academically but also actively participate and shine in sports and co-curricular activities. Our students have consistently demonstrated their talents across a diverse spectrum of events, reflecting a holistic development that goes beyond textbooks and classrooms.

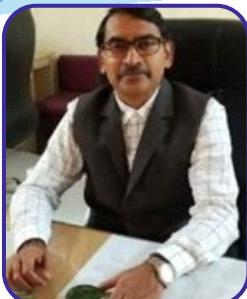
In the field of sports, our students have showcased commendable performances at inter-college, university, and even state-level tournaments. From athletics and football to table tennis and Handball, Civil Engineering students have brought home numerous medals and trophies, embodying teamwork, discipline, and competitive spirit.

Such diverse involvement enriches their college experience, fosters leadership qualities, and helps them emerge as confident professionals who are ready to contribute meaningfully to society and the industry alike.



Sr. No.	Name of the Student	Semester & Year of enrolment	Event	Place of Event	Date	Accolades Won
1	Shruti Tripathi (180280106123), Aditya Pal (180280106061) and Keyur Rajpopat (180280106101)	B.E Sem VIII (2022 Pass out)	Ultra-Tech India Next Edition 5, Build with Speed Competition	Mumbai	18/8/2023	Trophy, certificate and prize money of 1Lac
2	Sourav Kar (220280106166)	BE Sem VI	World Robotics Championship	Science city Ahmedabad	13/9/2023 14/9/2023	3rd position in World Robotics Championship in international round and ranked 4th position in collaboration round
3	Hasmita Fulal (210280106082) and team	BE Sem V	Handball	Jamnagar	October 2023	Won First prize
4	Vachan Shah (210280106044)	BE Sem V	Table Tennis	inter-zonal Table Tennis of GTU	2023	champion
5	Pratiksha Saraswat (210280106025) and Yash Mistry (210280106049)	BE Sem IV	National level Quiz Competition 'GE OVISLESHANA 2023' Organized by Indian Geotechnical Society, New Delhi	IIT Roorkee	10/12/2023	Cash prize of Rs.7500/- and Certificate of appreciation
6	Aamirah Shaikh (190280106133)	B.E Sem VIII(2022 Pass out)	Felicitation of Students by Shri Jashubhai B. Shah GICEA	GICEA, Ahmedabad	10/1/2024	Gold Medal for excellence in academic performance in B.E. (Civil)(Girls).

Faculty Members



Dr. Rajesh Jain
Head Of Department



Mr. Vijay Chitaria
Associate Professor



Ms. Rena Shukla
Associate Professor



Mrs. Neelam Dalal
Associate Professor



Mrs. Rita Jadav
Assistant Professor



Mrs. Toral Vyas
Assistant Professor



Mrs. Pratima Shah
Assistant Professor



Mr. Sandip Rathod
Assistant Professor



Mr. Shivendra Jha
Assistant Professor



Mr. Prashant Lalwani
Assistant Professor



Assistant Professor



Mrs. Jalpa Modi
Assistant Professor



Mr. Zalakkumar Chhaya
Assistant Professor



Mrs. Chaitali Bhavsar
Assistant Professor



Mrs. Sahista Kazi
Assistant Professor



Mr. M.M. Shaikh
Assistant Professor



Assistant Professor



Mrs. Anjum Mirza
Assistant Professor



Assistant Professor



Mr. Sudhanshu Dixit
Assistant Professor

Editorial Team

Prof. Sahista Kazi - Prof. Jalpa Modi
Civil Engineering Dept.

Ruturajsingh Sarvaiya
Student Civil Engineering Dept.