

NIRMAN



DEPARTMENT OF CIVIL ENGINEERING

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

Academic Year 2024-25



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 transportation 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 second edition of our departmental Magazine, NIRMAL. 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 edition highlights the array of events, academic milestones, student achievements, and faculty contributions that have defined our department in recent term. It serves as a reflection of our collective efforts, collaboration, and unwavering commitment to advancing the Department of Civil Engineering. Together, we strive to position LDCE as a hub of innovation, sustainability, and academic excellence at the national level.

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 2024” Industry-Academia Meet

Date: 19/10/2024



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 [19-10-2024] 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.



GAC2024 - Industry meet

L.D. College of Engineering, Ahmedabad (LDCE), proudly celebrates 75 years of nurturing engineering excellence! for the landmark Global Alumni Convention (GAC) on January 6th, 2024. Over 35,000 successful alumni and 7,000 vibrant students testify to LDCE's legacy. We rank 35th in India for innovation and boast a 5-Star rating for academic excellence. GAC promises expert talks, alumni stories, networking, and more. Witness students engage with global alumni and alumni rediscover their alma mater.



Three-Day Workshop on GIS-Based Planning and Monitoring of MGNREGA Works Using Yuktdhara (March, 5-7, 2025)

The Civil Engineering Department of L.D. College of Engineering successfully organized a three-day workshop on “GIS-Based Planning and Monitoring of MGNREGA Works at the Gram Panchayat Level Using Yuktdhara” from March 5 to 7, 2025.

The workshop was aimed at providing technical training to government employees on the effective utilization of Yuktdhara, a powerful GIS-based tool for planning, monitoring, and management of rural development works under MGNREGA.

The training sessions were conducted by Dr. M.S. Gadhvi and Prof. Sudhanshu Dixit, who guided the participants through hands-on demonstrations, practical exercises, and detailed discussions on best practices for geospatial planning.

Development of a Portable Slow Sand Filter by 6th Semester Students.

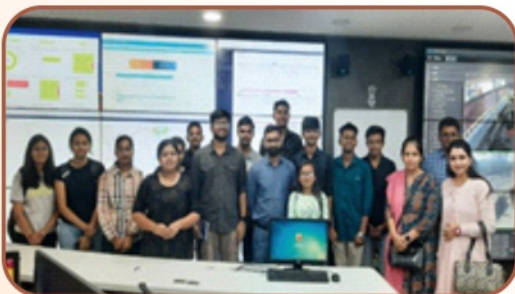
The 6th semester Patel Aman Vishnukumar civil engineering students have successfully developed a portable slow sand filter that is designed to treat water on a small scale. This innovative filter helps in purifying water, making it suitable for reuse in gardening, bathroom utilities, and other non-potable applications.

The project demonstrates a practical, cost-effective solution to promote water conservation and reuse at the household or community level.



In-house Events Organized

**BRTS Control room visit by B. E. Sem. 6 Civil
with faculty Prof. V.J. Chitaria, Prof. Dr. T.H. Vyas
& Prof. A. M. Mirza**



**Infinite Civil Solutions Technical visit
by M. E. Sem. 2 Trans with
Prof. Dr. T.H. Vyas**



**IMD Ahmedabad visit by BE Sem-6 Civil
with Faculty Prof. Dr. R.K. Jain, Prof. Dr. N.J. Dalal, Prof. Dr. P.K. Shah,
Prof. S.H. Kazi & Prof. S.S. Dixit.**



Prof. JPM, Prof. CNB, Prof. PKL and Dr. SKJ along with 100 students visited kotarpur Water treatment plant.



Faculty Participation & Achievements

1. Prof. Dr. Z.R.Chhaya reviewed a manuscript in 'Peer Reviewed' "STRUCTURES" journal of the science direct elsevier group. ISSN: 2352-0124
2. Prof. Anjum Mirza in MRC - IIMA, Presented paper at IIM Ahmedabad under Transportation and logistics department.Date: December 2024 on topic of Performance Evaluation of Multimodal Transportation.
3. Dr. Shivendra Jha published a Scopus-indexed research paper titled "Exploring the Impact of Water Level Variation on Model River Banks Composed of Different Soil Types — A Flume Based Investigation" (ISSN: 1112-3680), which provides valuable insights into riverbank stability under fluctuating water levels.
4. Ms. Chaitali Bhavsar, Dr. Juned Shaikh, and Dr. M.S. Gadhvi published a paper titled "Impact Assessment of Land Use Change Detection on the Environment of Ahmedabad District, Gujarat, India Using Supervised Classification in GIS" (E-ISSN: 3023-4344), highlighting how GIS technology can be applied to monitor and assess land use changes and their environmental impacts.
5. Prof. Rena Shukla Successfully completed PhD.(Civil Engineering) in February 2024.



4. Prof. Toral H. Vyas Successfully completed PhD.(Civil Engineering) in February 2024.
5. Prof. Pratim K. Shah Successfully completed PhD.(Civil Engineering) in February 2024.



6. Prof. Zalakkumar Chhaya Successfully completed PhD.
(Civil Engineering, IIT ROORKEE) in March 2024

Students Participation & Achievements

The Girls Football team of Civil Engineering Dept. became the final winner in the college level tournament.



Date: 23/01/2024, Fufal Hasmita, Civil 3rd year, Won Gold medal at Southwest zonal National Football in International purple fest at Goa.



Vishv sheth BE Sem -VI in CITY MANIA Competition at LDCE Ahmedabad
Secured 2nd Rank & Won Scholarship of Rs 31000/-.



Jay Gandhi BE Sem -VII achieved Certificate pf Participation and prize money
In Quiz-Whiz competition organized by Nirma University at 12/11/2024.



Students Appeared and Qualified in Gate Exam.

Branch	Gate exam Year	Semester	Name Of Students	Gender	Qualified in GATE Exam	If Qualified in GATE Exam then GATE Marks out of 100 is	If Qualified in GATE Exam then GATE Score out of 1000 is	If Qualified, All India Rank in GATE Exam
Civil Engineering	2024	6	PARMAR CHETANKUMARA.	Male	Yes	24.53	308	16143
	2024	8	Patel Sanketkumar Harishbbhai	Male	Yes	25.51	319	14729
	2024	8	Vachan Shah	Male	Yes	31.39	385	8960
	2024	8	Yash Mistry	Male	Yes	26.49	330	13553
	2024	8	Pandya Jaincel Nrukpal	Male	Yes	39.67	378	912
	2024	8	Pratiksha Saraswat	Female	Yes	28.36	351	11544
	2025	6	Nirmal Singh Chaudhary	Male	Yes	29.66	355	9746
	2025	8	Kanzariya Smit Hasmukhbhai	Male	Yes	26.61	322	12604
	2025	8	Pandya Jaincel Nrukpal	Male	Yes	30.00	359	9454
	2025	8	Priyakumari Kanubhai Chavadhari	Female	Yes	25.51	309	14001
	2025	8	ZORA PRAKASH DEVRAJBHAI	Male	Yes	30.35	363	9201
	2025	8	Tarang Sumara	Male	Yes	26.61	322	12604
	2025	8	Karnavat Hitenkumar Narshinbbhai	Male	Yes	35.18	416	6086
	2025	8	Mokani Jagdish J.	Male	Yes	38.67	228	2157



Faculty Members



Dr. Rajesh Jain
Head Of Department



Mr. Satyam Panchal
Associate Professor



Mr. Nikhil Raval
Associate Professor



Mr. Shailesh Trivedi
Associate Professor



Mr. Haresh Gandhi
Associate Professor



Mr. Shivendra Jha
Assistant Professor



Mr. Prashant Lalwani
Assistant Professor



Mr. Mahendrasinh Gadhavi
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



Mrs. Zarna Chovatiya
Assistant Professor



Mrs. Anjum Mirza
Assistant Professor



Mr. Utkarsh Nigam
Assistant Professor



Mr. Sudhanshu Dixit
Assistant Professor

Editorial Team

Prof. Sahista Kazi - prof. Jalpa Modi

From, Civil Engineering Dept.

Raturajsinh Servaiya

From, Students Civil Engineering Dept.