

### Compendium of LDCE activities

<b>1948</b> Established	<b>7000+</b> Students	<b>47</b> Patents published	<b>#3</b> Rank pan-India in ARIIA
<b>16</b> Departments	<b>5</b> Accredited Programs	<b>11</b> Patents granted	<b>#1</b> Rank in GSIRF
<b>16</b> UG Programs	<b>18</b> Gold Medals in GTU	<b>5-star</b> Only college in GSIRF	<b>56.6L</b> Grant received from SSIP
<b>17</b> PG Programs	<b>L.D. COLLEGE OF ENGINEERING</b>		<b>182</b> Publications in SCOPUS
<b>4</b> PDDC Programs	<b>POINTS OF PRIDE</b>		<b>33</b> Publications in Web of Sci.
<b>Free</b> For Girls	<b>59</b> Acres of Campus	<b>17</b> Student Clubs	<b>5</b> DIPP registered startups



Established in 1948 by Sheth Shri Kasturbhai Lalbhai in memory of his father Late Shri Lalbhai Dalpatbhai, L. D. College of Engineering is a premier institute of Gujarat in the vicinity of Institutes of Repute like IIM-A, SAC - ISRO, PRL, ATIRA etc. It has 59.25 acres of lush green campus with 10 blocks of different departments, 16 UG and 17 PG Courses. Our campus on any day has around 6000 students besides our PhD scholars.

As we are preparing to enter our 75<sup>th</sup> year let us pause and look at the legacy we have created.

We have always held the aim of excellence in technical educational, research and innovation at the forefront. The faculty and students together have taken baby steps to achieve this aim. So here we enlist a few outcomes:



- 5 UG Programs (Mechanical / Civil / Electrical / IC / Chemical) - accredited for 3 years, 2 programs have applied this year (Computer/ Rubber) and others are in pipeline
- 18 Gold medals in GTU
- Abhishek Soni (Biomedical Engineering) secured AIR 1 in GATE 2021
- More than 50% students of final year placed through campus placement



Under the Student Startup and Innovation Policy (SSIP) of Education Department (GoG), LDCE has jumped by leaps and bounds in the area of research, patents and publications. Hence the following result.

- 3<sup>rd</sup> rank at all India in national ARIIA rankings by MoE, Govt. of India under SSIP
- 5 start-ups registered under DIPP
- Research paper published in WOS / Scopus indexed journal: more than 200
- No. of Patent Granted - 11
- At the “Startup Turkey” in Istanbul, Malav Shah’s startup - REOLO (2020) and Roshan Raval’s startup - EXPOSIT (2019) were selected in world’s top 100 startups
- More than 55 lakh grant disbursed in SSIP 1.0; 143 PoCs developed, 600 students benefited; 22000 + students out reached

- Research proposals sanctioned: 3 (under STEM proposal)

LDCE has a vibrant campus where Student Clubs like GTU Motorsports, Robocon, SAE India, Advanature, Dhanak, Vox Populi, NCC, NSS are buzzing throughout the year. We ensure our students are exposed to a competitive environment so that they learn to perform under pressure, and look how they have fared in the recent times:

- National Champion in Formula Bharat 2022 under Soc. of Automotive Engineers (SAE India)
- Team Robocon - National Champions at the National DD Robocon 2019 held at IIT Delhi and represented INDIA in ABU ROBOCON COMPETITION 2019 at Mongolia



Our aim is not only that our students excel in academics and research, and be an asset to the industry, but also, to groom our students into responsible citizens who are the pride of our society. Hence our students are equally active in creating social awareness on sensitive matters and service to society.

- 1st prize in the Gujarat Samachar One Act Play at

State Level

- Sumanth Mudaliar won silver award in the “Destitute Care” category along with a prize money of 15 lakh at the Aarohan Social Innovation Awards 2018 of Infosys Foundation
- Our NSS unit is one of the best in the country and has already bagged 6 national and 12 state awards.



The efforts and perseverance of Team LDCE has started bearing fruits. We are immensely glad to share that LDCE has now started making its mark in reputed national rankings as well. Here is a glimpse:



- Best Engineering College Award from ISTE Gujarat in 2022
- 1<sup>st</sup> place in GSIRF Rankings, Only Institute in state with 5 star rating
- Ranked 28<sup>th</sup> across the country in INDIA TODAY Rankings
- Ranked 12<sup>th</sup> across the country in TIMES ENGINEERING Rankings

- Shortlisted in Central region top 10 institutes for AICTE Clean and Smart Campus Award 2020
- In the ISTE Gujarat State Awards 2020, LDCE has received the awards for:
  - ISTE GUJ - VBT State Award for Best Woman Teaching Faculty in Degree Engineering College
  - ISTE GUJ - Best Engineering College

LDCE is the oldest Engineering College and premier institute of Gujarat with more than 40,000 illustrious alumni across the world in key places. We have all joined hands and together are eagerly looking forward to the 75<sup>th</sup> anniversary celebration. At the same time, we are prepping for our centenary celebrations as well.



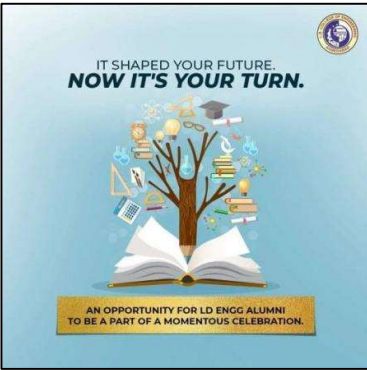
LDCE@75 celebration plan and our centennial vision, prepared in association with our high-end alumni, was launched by Hon. CM Shri Bhupendrabhai Patel on 15<sup>th</sup> March, 2022.

To strengthen professional skills of students in Emerging Technology Gujarat Government whole heartedly supports

LDCE in all aspects. The outcome is very fulfilling.

- Hardware, Software, Networking and Training to students and faculty
- CoE in Automation, Welding functional on Campus
- CoE in Renewable Energy under process through Industry and Alumni support
- MG Motors donated Hector
- 5 Smart Classrooms donated by L&T through its CSR
- VLSI Iad donated to E.C. by alumni
- Chemical Engg. labs donated by Industry CSR





We aspire to grow from strength to strength in the coming years and hence it is imperative that we keep pace with the ever-evolving advances in technology. Thus, as per industry demands 130 electives - majors and minors at both UG and PG level have been identified.

- 86 State-of-the-art P.G. and Research labs and other infrastructure proposed with area of 34,445 sqm

- 16 Advanced Interdisciplinary labs proposed with area of 7400 sqm

- Lab equipment worth Rs. 110 crore proposed



New Electives in UG include Electric and hybrid vehicles, Robotics and Autonomous Systems, Sustainable Development, Nanotechnology, Advance Fabric Structure & CAD, Building Automation, Renewable Energy Sources and Micro Grids, Machine Learning,

Augmented Reality/Virtual Reality to name a few.

In PG programs we propose Forensic Structural Engineering, Robotics and Automation, Sustainable Energy and Technologies, 3D printing and Design, Green Technology and Sustainability Engineering, Plastic Technology, Electrical Devices and Power Systems, Renewable Energy and Energy Management, VLSI & Embedded Design, Data Science, and few more.

We also propose 86 Research and Innovation Labs by various departments to support these new interventions in emerging areas.

- Approximate total equipment cost: Rs.95 crore

- Upgradation of Existing labs: Rs.15 crore



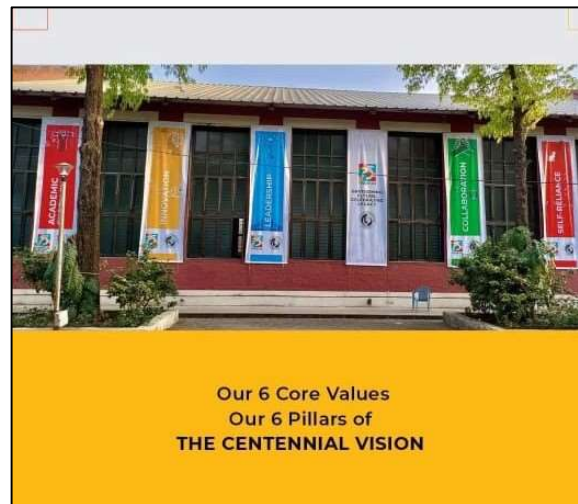
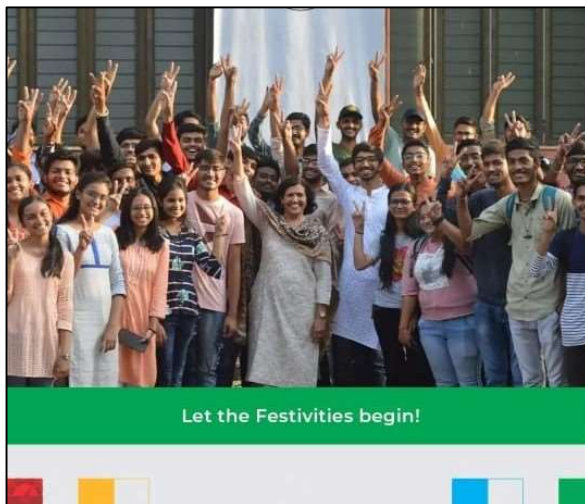
All cutting-edge discoveries happen at the cross junction of two disciplines hence we propose to set up Advanced Interdisciplinary labs like Testing & Research for Structures, Hydraulics & Water Resources Engineering, Computational and Soft Computing, Infrastructure Construction, Machines, Electric and Hybrid Vehicles, Medical Image Analysis Centre, Embedded design Lab including IOT, Technical textiles, Advanced RF & Microwave Design and few more.

## Our Vision:

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

## Our Mission:

- 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 and 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



**ENVISIONING FUTURE, CELEBRATING LEGACY**