

L. E. COLLEGE - MORBI



MANDATORY DISCLOSURE

ADDRESS: Sama kanthe, Morbi-2
Contact No: 2822240743
Email: lec-morbi-dte@gujarat.gov.in

1. Name of the institute:

L. E. College – Morbi

2. Name and address of the organization:

Office of the Commissionerate of Technical Education,
Block No. 2, 6th Floor, Karmyogi Bhavan, Sector-10-A, Gandhinagar - 382 010

Phone: +91-79-232 53546

Fax : +91-79-232 53539

Email: dire-dte@gujarat.gov.in

3. Name and Address of the Principal

Dr. B. N. Suthar

L. E. College

Sama Kanthe,

Morbi

Phone: 2822240743

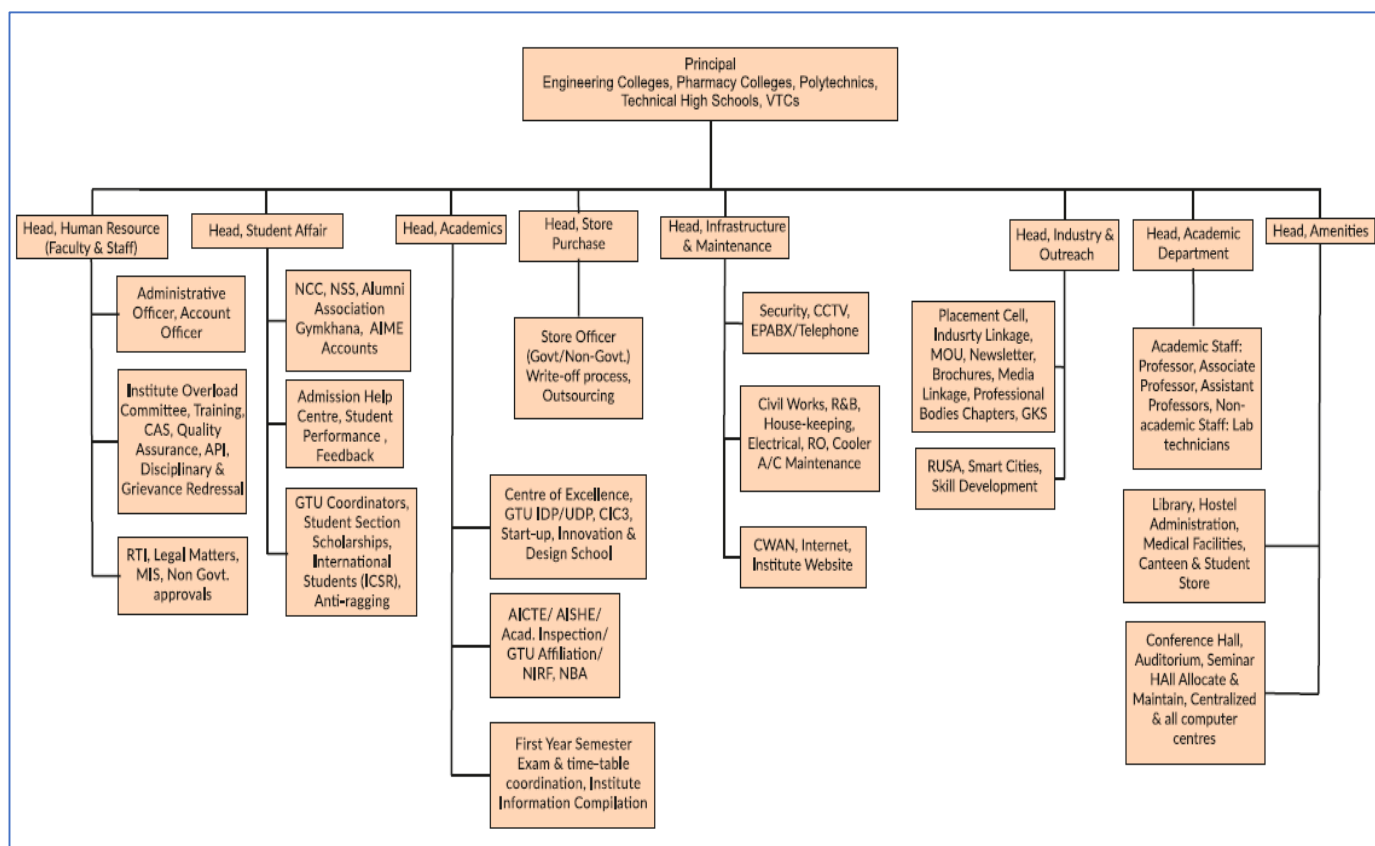
Email: lec-morbi-dte@gujarat.gov.in

4. Name of the affiliating University

Gujarat Technological University (GTU), Ahmedabad

5. Governance:

a. Organizational chart and processes:



b. Student Feedback on Institutional Governance/ Faculty performance

Sr. No.	Name	Designation
1	Dr. B. N. Suthar	Chairman
2	Dr. R. K. Mewada	Coordinator
3	Dr. J. M. Pujara	Co-Coordinator
4	Dr. M. H. Pandya	Dept. coordinator
5	Prof. Bansri Kariya	Dept. coordinator
6	Prof. Sahid Patel	Dept. coordinator
7	Prof. Mulesh Pathak	Dept. coordinator
8	Prof. Alpesh Goswami	Dept. coordinator
9	Prof. P. H. Solanki	Dept. coordinator

c. Grievance Redressal mechanism for Faculty, staff and students

- L. E. College, Morbi firmly believes that Administrative system be formed such that it helps decision making to be decentralized. The institute has formed Grievance redressal Committee (GRC) for the prevention, prohibition and redressal of any kind of grievance at work place as per the rules and regulations laid down by AICTE.
- Faculty, staff and students may report to GRC members at any time (24 x 7) at the time of incidence. Complaint register is maintained by the committee. GRC also works with the aim of providing comfortable environment for faculty, staff and students of the institute and thereby enhancing their self-confidence and respect. Information of GRC is displayed on institute website.
- The college believes in unbiased redressal of grievances and has constituted student grievance redressal cell and disciplinary & internal complaint committee (staff) under GRC under Head, Human Resource to deal with such matters.
- Students can also approach their GTU coordinator, semester coordinators, subject coordinators, relevant activity coordinators, faculties and head of department for grievance redressal. Grievance register is maintained by the committee. Every registered grievance is addressed by the concerned competent authority in reasonable time period and is resolved as per the norms laid out. The register maintains the complete time line of every grievance.

d. Establishment of Anti Ragging Committee

Sr. No	Name	Role
1	Prof. B. N. Suthar	Chairman
2	Prof. N. N. Garwalia	Member
3	Prof. R. K. Mewada	Member
4	Prof. M. H. Ayalani	Member
5	Prof. T. M. Vasavad	Member

e. Establishment of Online Grievance Redressal Mechanism

Online grievance registration form is available at institute web site for grievance redressal as below:

https://docs.google.com/forms/d/1fA8fxge9K1Hw9eWinMPvDMHTsl6_IzhURbHDi2KfFw/edit?usp=sharing

f. Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University

Collegiate Student Grievance Redressal Committee

Sr. No	Name	Role
1	Principal	Chairperson
2	HOD Mechanical	Co- chairperson
3	HOD Civil	Member
4	HOD Power electronics	Member
5	Prof. A. A. Parmar	Member
6.	Yash Bambhaniya	Student Member

g. Establishment of Internal Complaint Committee (ICC)

Sr. No	Name	Role in ICC
1	Prof. S. R. Upadhyay	Chair Person
2	Prof. S. J. Lakhani	Member
3	Prof. R. K. Mewada	Rector
4	Prof. S. N. Purohit	Member
5	Prof. H. S. Dhadhal	Member
6	Prof. J. B. Bheda	Member
7	Prof. M. D. Vadhvani	Member
8	Devikaben Mehta	Member
9	S. G. Rathod	Member
10	J. R. Baraiya	Member
11	Gosai Aarati	Member
12	Kharadi Jyoti	Member
13	Kalaria Palak	Member
14	Bhabhor Anandi	Member

h. Establishment of Committee for SC/ST

Sr. No	Name	Role
1	Prof. A. V. Gohil	Chair person
2	Prof. R. B. Parmar	Member
3	Prof. D. B. Patel	Member
4	Prof. A. A. Parmar	Member
5	S. G. Rathod	Member

i. Internal Quality Assurance Cell

Sr. No.	Name	Designation
1	Prof. R. K. Mewada	Coordinator
2	Prof. S. J. Lakhani	Co-Coordinator
3	Prof. B. B. Parmar	Co-Coordinator

6. Programmes:

a. Programmes approved by AICTE

ENGINEERING AND TECHNOLOGY (UG/PG LEVEL)

b. Status of Accreditation of the Courses

- i. Total number of UG Courses: 08
- ii. Total number of PG Courses: 03
- iii. No. of Courses for which applied for Accreditation: 00
- iv. Status of Accreditation – B.E. Mechanical and B. E. Chemical courses are accredited by NBA for Academic Year 2022-23, 2023-24 and 2024-25, i.e., upto 30-06-2025

c. Courses details

Name	Number of seats	Duration	Fee
B.E. Electrical Engineering	60	4 year	1500 INR
B.E. Civil Engineering	60	4 year	1500 INR
B.E. Mechanical Engineering	60	4 year	1500 INR
B.E. Chemical Engineering	60	4 year	1500 INR

B.E. Production Engineering	30	4 year	1500 INR
B.E. Industrial Engineering	30	4 year	1500 INR
B.E. Power Electronics	30	4 years	1500 INR
B.E. Information Technology	30	4 years	1500 INR
M.E. Water Resource Management	18	2 years	1500 INR
M.E. Power Electronics	18	2 years	1500 INR
M.E. Power System	18	2 years	1500 INR

d. Placement Details:

	2018-19	2019-20	2020-21	2021-22	2022-23
No of companies Visited for Placement	30	27	22	03	22
Total Companies (On Campus + Off Campus + Pool Campus + Walk In Drives)	30	27	22	03	(22 – Off Campus)
Total Number of students interested for placements	315	305	310	218	399
No of students placed by campus placement	69	54	29	07	55
Lowest Salary Package (in Lac)	0.8	0.6	0.60	3.36	1.22
Highest Salary Package (in Lac)	3.5	3.67	2.55	7.00	7.50
Average Salary Package (in Lac)	2.15	2.135	1.57	5.18	3.37
Self Employed students	6	7	05	02	0

7. Faculty:

Permanent Faculty: 85

Permanent Faculty: Student Ratio (UG): 1: 21

8. Profile of Principal

- Name: Dr. Bhavikkumar N. Suthar
- Unique ID: 1-3582117677
- Education Qualifications: PhD
- Work Experience: 29 years
- Teaching: 29 years
- Research: 19 years
- Industry: 0
- Area of Specialization: Power System
- No. of papers published in National/ International Journals/ Conferences: 52
- Master (Completed/Ongoing): 18

- Ph.D. (Completed/Ongoing): 06
- No. of Books published: 01

Profile of Faculties other than Principal:

Latest details of faculties available at <http://www.lecm.cteguj.in/faculty/>

9. Details Regarding fees

Term fees for each semester are collected account head wise as indicated in the following table and the notices regarding this have been published on every six months. All the students are given time of approximately one month to pay the fees.

Account Head	Relevant Students		
	BOYS		GIRLS
	TFWS	Non-TFWS	ALL
Tuition Fee	0	750	0

Number of scholarship offered by the Institution, duration and amount

Sr. No	Scholarship offered by Institution	Duration	Scheme name	Eligibility	Approx amount
1	AICTE PMSSS for Jammu and Kashmir students	Yearly	PMSSS	Admission by AICTE	1,00,000
2	National Scholarship Portal	Yearly	Post Metric	Minority	Direct Bank Transfer
3	M. Y. S. Y scholarship	Yearly	Post Metric	80 Percentile for fresh 50 percentile for renewal	Direct Bank Transfer 5,000/- for sadhan sahay (once in course) 12,000 for Food bill.
4	Digital Gujarat	Separate file has attached for scheme			

SCHOLARSHIP SCHEME DIGITAL GUJARAT 2020-21

(FOR MORE DETAILS REFER TO DIGITAL GUJARAT WEBSITE)

CATEGORY	SCHEME NAME	INCOME LIMIT	BOY OR GIRL	INFORMATION
S.T	Umbrella Scheme for Education of ST Students Post-Matric Scholarships (VKY-6.1)	Rs. 2. 50 Lacs	BOTH	Education and maintenance charge
	Post-Matric Scholarship For girls(Having annual family income more than 2.50 Lac) (VKY-6)	No limitation	Only Girls	Education and maintenance charge
	Financial Assistance to Purchase of Instruments and other Stationary for Medical and Engineering Students (VKY-7)	Rs. 2. 50 Lacs	BOTH	Rs. 5000/- (For First year student who have purchased stationary items and having G.S.T bill of stationary of rs.

				5000)
	Financial Assistance for 12th passed out ST student for the purchase of Tablet. (VKY -16)	No Limitation	Both	Rs. 1000/- (For students who have received tablet by paying rs. 1000)
S.E.B.C	BCK 78 (Post-Matric Scholarship For girls)	No Limitation	Only Girls	Education and maintainance charge
	BCK 80 (Financial Assistance to Purchase of Instruments and other Stationary for Medical and Engineering Students)	Rs. 2. 50 Lacs	BOTH	Rs. 5000/- (For First year student who have purchased stationary items and having G.S.T bill of stationary of rs. 5000)
	BCK 81 A (POST MATRIC SCHOLARSHIP)	Rs. 2. 50 Lacs	BOTH	Education and maintainance charge
	BCK 81 (POST MATRIC SCHOLARSHIP)	1,20,000 (village) & 1,50,000 (city)	Only Boys	Education and maintenance charge
	Tablet Assistance Scheme	No Limitation	Both	Rs. 1000/- (For students who have received tablet by paying rs. 1000)
	E. B. C	Dr. Ambedkar Post Matric Scholarship	Rs. 2. 50 Lacs	Both
S.C	Post Matric Scholarship for SC Students (GOI) (BCK-6.1)	Rs. 2. 50 Lacs	Both	Education and maintenance charge
	Instrumental Help to SC Students (Medical, Engineering, Diploma Students Only) (BCK-12)	Rs. 2. 50 Lacs	BOTH	Rs. 5000/- (For First year student who have purchased stationary items and having G.S.T bill of stationary of rs. 5000)
	Post Matric Scholarship for SC Girls Students Only (Having annual Family Income Between 2.50 to 6.00 Lac) (State Government Scheme) (BCK-5)	Rs. 2.50 lacs to Rs. 6 Lacs	Only Girls	Education and maintenance charge
	Tablet Assistance to SC Students (BCK-353)	No Limitation	Both	Rs. 1000/- (For students who have received tablet by paying rs. 1000)

10. Admission

Number of seats sanctioned with the year of approval

-Data available on institute website

Number of applications received during last two years for admission under Management Quota and number admitted

-Being a Government institute not applicable-

11. Admission Procedure

- **Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)**
 - Admission test is conducted by Government of Gujarat. Name of exam: GUJCET
 - Admission process available on Website- <http://www.jacpcldce.ac.in/>
- **Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (Stat conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)**

Sr. No.	Name of Institute	Course Name	AICTE/ University INTAKE 21-22	Management Quota Seats Bifurcation		NRI	Intake 125% (with EWS)	State Quota Seats	TFW Seats	STATE QUOTA DISTRIBUTION										
				GUJCET	JEE					SC	SC PH	EWS	EWS PH	ST	ST PH	SEBC	SEBC PH	DS	OPEN	OPEN PH
14	LUKHDHIRJI ENGINEERING COLLEGE, MORBI, Sama Kanthe, Dist-Morbi, Morbi-363 642, Ph.: 02822-240743 Fax : 02822-240645, www.lecm.cteguj.in e-mail:lec-morbi-dte@gujarat.gov.in	CHEMICAL ENGINEERING	60	0	0	0	75	71	4	4	1	7	0	9	1	18	1	1	28	1
		CIVIL ENGINEERING	120	0	0	0	150	143	0	10	0	14	1	20	1	37	2	1	55	2
		ELECTRICAL ENGINEERING	120	0	0	0	150	143	0	10	0	13	1	21	1	37	2	1	54	3
		INDUSTRIAL ENGINEERING	30	0	0	0	38	36	0	2	0	3	0	5	1	10	0	0	14	1
		INFORMATION TECHNOLOGY	30	0	0	0	38	36	1	2	0	4	0	5	0	9	1	1	13	1
		MECHANICAL ENGINEERING	60	0	0	0	75	71	4	4	1	7	0	11	0	18	1	1	27	1
		POWER ELECTRONICS	30	0	0	0	38	36	0	3	0	2	1	6	0	9	0	0	14	1
		PRODUCTION ENGINEERING	30	0	0	0	38	36	0	3	0	4	0	5	0	8	1	1	13	1
		TOTAL	480	0	0	0	602	572	9	38	2	54	3	82	4	146	8	6	218	11

• Calendar for admission against Management/vacant seats: -Not applicable-

- Last date of request for applications - - Not applicable-
- Last date of submission of applications - Not applicable-
- Dates for announcing final results - Not applicable-
- Release of admission list (main list and waiting list shall be announced on the same day) - Not applicable-
- Date for acceptance by the candidate (time given shall in no case be less than 15days) - Not applicable-
- Last date for closing of admission- Not applicable-
- Starting of the Academic session- Not applicable-
- The waiting list shall be activated only on the expiry of date of main list- Not applicable-

12. Criteria and Weightages for Admission

Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.

[A] For Students who have passed qualifying examination from school located in Gujarat and appeared in GUJCET -2020

-A candidate shall have passed HSC (10+2) with minimum 45% marks (40% for SC/ST/SEBC/EWS) of theory (or theory and practical) marks of Physics & Mathematics as compulsory subjects with (Chemistry or Biology or Technical Vocational subject) from a single board. Candidate shall also appear in GUJCET -2020 examination in

respective subjects. The candidate shall pass the HSC examination from schools located in Gujarat from any board from GSEB, CBSE, ISCE, Cambridge, International Baccalaureate (IB) or NIOS.

or

-A candidate whose parents are of Gujarat origin and who has passed the qualifying examination with minimum eligibility criteria of percentage of marks in subjects prescribed by AICTE from time to time from the State where his parents are located and has appeared in the GUJCET conducted in the corresponding academic year, shall be eligible for admission.

or

-A candidate whose parents are serving in the category of services as mentioned in admission rules and who are transferred from other States to Gujarat and have resumed their duties in the place where they are transferred in Gujarat and shall remain so transferred in the State of Gujarat at the time of registration for admission, shall be eligible for admission and his candidature shall be included in the merit list.

Or

-A candidate who has studied under Jawahar Navodaya Vidyalaya Scheme / Sainik School up to Standard VIII in any of the schools located in the State of Gujarat, and there after studied in any of the schools located out of the State of Gujarat under the said scheme, and passed Qualifying Examination from a Navodaya Vidyalay / Sainik School located outside Gujarat State.

[B] For Students who have passed qualifying examination from school located in India (including Gujarat State) and appeared in JEE(Main) 2020

Five percent of seats in Government and aided institutions shall be available for the candidates who have cleared the qualifying examination with minimum eligibility criteria of percentage of marks in subjects prescribed by AICTE from time to time from an eligible board from school located in India (Including Gujarat State) and have appeared in JEE (Main) for the corresponding academic year. A candidate shall have passed HSC (10+2) with minimum 45% marks (40% for SC/ST/SEBC/EWS) of theory (or theory and practical) marks of Physics & Mathematics as compulsory subjects with (Chemistry or Biology or Technical Vocational subject) from a single board. Candidate shall also appear in JEE (Main) examination in respective subjects.

Candidate satisfying both criteria can apply in both section [A] and [B] with single application

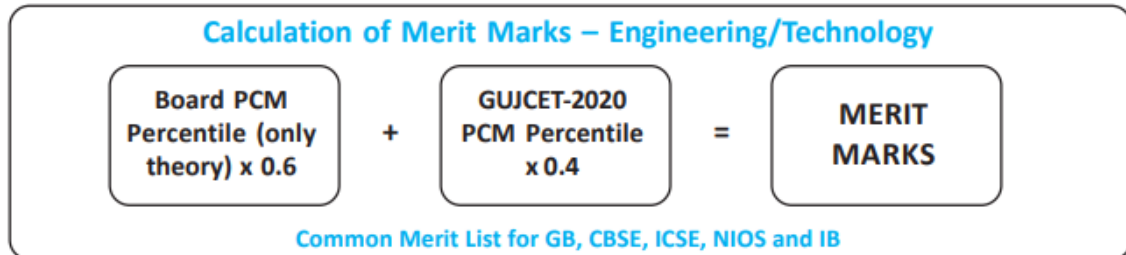
Mention the minimum Level of acceptance, if any

Merit marks is calculated based on given formula

Calculation of Merit Marks

[A] For Students who have passed qualifying examination from school located in Gujarat and appeared in GUJCET -2020

60% weightage of the percentile obtained in the theory subjects (PCM) of board exam combined with 40% weightage of the percentile obtained in the GUJCET 2020. A common merit list will be prepared for GSEB, CBSE, ICSE, Cambridge, IB and NIOS board.



[B] For Students who have passed qualifying examination from school located in India (including Gujarat State) and appeared in JEE(Main) 2020

Merit list of candidates who have passed the Qualifying Examination from schools located in India (including Gujarat State) from a valid Board as recognised by the Gujarat Board; and appeared in JEE(Main) examination shall be prepared on the basis of All India Rank of JEE (Main) examination for the corresponding year.

Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years

-As test is conducted centrally for all the candidates, the score is available with central agency only

Display marks scored in Test etc. and in aggregate for all candidates who were admitted

- As test is conducted centrally for all the candidates, the score is available with central agency only

13. List of Applicants

List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats.

- As exam is conducted centrally for all the engineering seats of the state, the merit is available with admission committee. And its not for specific institute.

List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise) : - Not applicable -

14. Results of Admission under Management seats/Vacant seats

Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)

- Not applicable-

Score of the individual candidate admitted arranged in order or merit

- Not applicable-

List of candidate who have been offered admission

- Not applicable-

Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate

- Not applicable-

List of the candidate who joined within the date, vacancy position in each category before operation of waiting list

- Not applicable-

15. Information of Infrastructure and Other Resources Available

Number of Class Rooms and size of each

No. of Classroom	Total Area Sq.mt.
36	2813.84

Number of Tutorial rooms and size of each

No. of Tutorial room	Total Area Sq.mt.
16	758.71

Number of Laboratories and size of each

No. of Laboratories	Total Area Sq.mt.
79	7481.36

Number of Computer Centres with capacity of each

No. of Computer Centers	Total Area Sq.mt.
1	201.48

Central Examination Facility, Number of rooms and capacity of each

No. of Rooms	Total Area Sq.mt.
02	202.7

Online examination facility (Number of Nodes, Internet bandwidth, etc.)

The Number of Nodes is 367. The CWAN - Campus Wide Area Network provides the Internet facility with 100 MBPS NKN Link. The CWAN is setup with 700+ Wired IO Ports and 47 Wireless Access Points throughout the institute: including Library, Centre of Excellence and Hostels.

The institute has NAMO WIFI facility with 100 MBPS.

Barrier Free Built Environment for disabled and elderly persons

Ramps are provided for easy access to all floors in academic buildings.

Occupancy Certificate

R&B Department, Government of Gujarat No.125 Dt: 02/02/2019

Fire and Safety Certificate

Institute has required numbers of fire extinguishers.

Hostel Facilities

Sr. No.	Name of Hostel	No. of Rooms	Capacity
1	BOYS hostel (All included)	346	1012
2	GIRLS hostel (All included)	48	144

Library

Number of Library books/ Titles/ Journals available (Programme-wise)

Sr no	Programme name	No. of volumes
1	Engineering and Technology	41687

List of online National/ International Journals subscribed

ASCE: The American Society of Civil Engineers List of E-Journals https://ascelibrary.org/journals
Journal of Aerospace Engineering
Journal of Architectural Engineering
Journal of Bridge Engineering
Journal of Civil Engineering Education
Civil Engineering Magazine Archive
Journal of Cold Regions Engineering
Journal of Composites for Construction
Journal of Computing in Civil Engineering
Journal of Construction Engineering and Management
Journal of Energy Engineering
Journal of Engineering Mechanics
Journal of Environmental Engineering
International Journal of Geomechanics
GEOSTRATA Magazine
Journal of Geotechnical and Geoenvironmental Engineering
Journal of Hazardous, Toxic, and Radioactive Waste
Journal of Highway and Transportation Research and Development (English Edition)
Journal of Hydraulic Engineering
Journal of Hydrologic Engineering
Journal of Infrastructure Systems
Journal of Irrigation and Drainage Engineering
Leadership and Management in Engineering
Journal of Legal Affairs and Dispute Resolution in Engineering and Construction

Journal of Management in Engineering
Journal of Materials in Civil Engineering
Journal of Nanomechanics and Micromechanics
Natural Hazards Review
Journal of Performance of Constructed Facilities
Journal of Pipeline Systems Engineering and Practice
ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering
ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering
Practice Periodical on Structural Design and Construction
Journal of Structural Engineering
Journal of Surveying Engineering
Journal of Sustainable Water in the Built Environment
Journal of Technical Topics in Civil Engineering
Transactions of the American Society of Civil Engineers
Journal of Transportation Engineering, Part A: Systems
Journal of Transportation Engineering, Part B: Pavements
Journal of Urban Planning and Development
Journal of Water Resources Planning and Management
Journal of Waterway, Port, Coastal, and Ocean Engineering

National Digital Library(NDL) subscription details : Registered

Laboratory and Workshop

List of Major Equipment/Facilities in each Laboratory/Workshop

Department	Name of the Laboratory	Lab / Major Equipments
ELECTRICAL ENGINEERING	ADVANCE ELECTRONIC LAB	Single Phase Thyristor Firing Card, Three Phase Thyristor Firing Card, MOSFET/IGBT Driver Card
ELECTRICAL ENGINEERING	ADVANCE MACHINE	Universal Electrical workstation
INDUSTRIAL ENGINEERING	AUDIO VISUAL LAB	Multimedia Projector, Podium, Visual Presenter
MECHANICAL	CAD LAB	Computers and software- Ansys & Creo 2.0

ENGINEERING		
MECHANICAL ENGINEERING PRODUCTION	CAD LABORATORY	MASTERCAM SOFTWARE, SOLIDWORKS SOFTWARE
CHEMICAL ENGINEERING	CHEM COMPUTER LAB	Computers
CHEMICAL ENGINEERING	CHEMICAL REACTION ENGINEERING LAB	1. Batch Reactor. 2. Plug Flow Reactor. 3. CSTR
HUMANITIES	CHEMISTRY LAB	MAGNETIC STIRRER, HEATING MENTAL, HOT AIR OVEN, MUFFLE FURNACE, PH METER, CONDUCTIVITY METER, POTENT
CIVIL ENGINEERING	COMPUTER LAB	ARCGIS 31 USER LAB KIT, ENVI SOFTWARE
ELECTRICAL ENGINEERING	COMPUTER LABO	Computer
MECHANICAL ENGINEERING PRODUCTION	COMPUTER LABORATORY	MASTERCAM SOFTWARE, SOLIDWORKS SOFTWARE
CIVIL ENGINEERING	CONCRETE TECHNOLOGY	Vibrating Table Concrete Mixer Ovens Ultra sonic pulse velocity tester
INFORMATION TECHNOLOGY	DATABASE MANAGEMENT LAB	Computers,Switch,LAN Connectivity,Server,Visual Presenter,LED TV
ELECTRICAL ENGINEERING	DESIGN LAB	Bread board, Multimeter
POWER ELECTRONICS	DRIVES AND CONTROL LAB	DC MACHINE TRAINER, SYNCHRONOUS MACHINE TRAINER
ELECTRICAL ENGINEERING	ELECTRICAL DRIVES	Micro Controller based Chopper fed Separately Excited DC Motor drive, Microcontroller based Three Ph
ELECTRICAL ENGINEERING	ELECTRICAL MACHINE LAB	1 phase variac, 3 phase variac, 1 phase transformer,3 phase transformer, DC generator, DC Motor, 1 p
CHEMICAL ENGINEERING	ENVIROMENT LAB	1. BOD APPRATUS 2. COD APPRATUS 3. WATER ANALYSIS KIT
CIVIL ENGINEERING	ENVIRONMENT LAB	" SMOKE DENSITY METER H-VOLUME AIR SAMPLER, FUJI AUTO. ANALYSER SP.PHOTOMET., PH TDS MEASUR.,FLOCCUL
CHEMICAL ENGINEERING	FFO	1. Pressure Drop Measurement, 2. Flow Through Notch/ Orifice/ Venturi System, 3. Bernoulli's Apparat
CIVIL ENGINEERING	GEOLOGY LAB	SAMPLES OF ROCKS AND CRYSTALS
CHEMICAL ENGINEERING	HEAT TRANSFER	HT pin fin, Shell & tube heat exchanger, HT drop & film wise, Emmisivity measur. Conductivity of met
MECHANICAL ENGINEERING	HEAT TRANSFER LAB	COMPOSITE WALL APPARTUS Concentric Tube fin-tube Heat Exchanger UNSTEADY STATE OF HEAT TRANSFER APPA
ELECTRICAL ENGINEERING	HIGH VOLTAGE LAB	High Voltage insulation tester, HVAC transformer, oil testing kit, shpere gap assembly, Universal EI
MECHANICAL ENGINEERING	HYD. LAB	"PELTON TURBINE IMPACT OF JET APPARTUS CENTRIFUGAL PUMP."
MECHANICAL ENGINEERING	I C ENGINE AND AUTOMOBILE LAB	COMPUTERISED SINGLE CYLINDER DIESEL ENGINE TEST RIG Cut section of single cylinder diesel Engien, Si
INDUSTRIAL ENGINEERING	IND. COMPUTER LAB	Computers, UPS
ELECTRICAL ENGINEERING	INSTRUMENTATION AND CONTROLL LAB	Thermocouples,LVDT,transducers,clamponmeter,bridges,earth resistance tester
CHEMICAL ENGINEERING	IPC	1. Level Control Trainer 2.PRESSURE CONTROL TRAINER, 3. Flow control trainer, 4. Two tank interacti
MECHANICAL ENGINEERING	LUID MECHANICS AND HYDRAULIC MACHINES LAB	GEAR PUMP TEST RIG HYDRAULIC TEST BENCH IMPACT OF JET VANE APPARATUS PELTON WHEEL TURBINE,FRANSIS TU
CHEMICAL ENGINEERING	MASS TRANSFER	1. ABSORPTION IN PACKED BED 2. BATCH CRYSTALISER 3. FLUIDIZED BED DRYER 4. PACKED BED DISTILLATION

MECHANICAL ENGINEERING	MEASUREMENT AND METALLURGY LAB	DEAD WEIGHT PRESSURE GAUGE TESTER, DISPLACEMENT MEASUREMENT BY L.V.D.T., LOAD CELL, SPEED MEASUREMENT
MECHANICAL ENGINEERING PRODUCTION	METROLOGY	LENGTH MEASURING INSTRUMENT, ANGLE MEASURING INSTRUMENT
POWER ELECTRONICS	MICROPROCESSOR & PROJECT LAB	Micro processor in circuit emulator DSP Trainer Kit, Universal IC tester, Universal Embedded Trainer
ELECTRICAL ENGINEERING	MICROPROCESSOR LAB	Universal embedded trainers, 8085kit, IC trainer, Analog & digital trainer, function gen, training board
CIVIL ENGINEERING	MOS	Universal Testing Machine, Compression Testing Machine, Izod Impact Machine, Torsion Testing Machine
ELECTRICAL ENGINEERING	PG LAB	RT-Lab, Matlab, computers
HUMANITIES	PHYSICS LAB	HALL EFFECT SETUP, BANDGAP MEASUREMENT, PN DIODE CHARACTERISTICS, ZENER DIODE CHARACTERISTICS, LED CHARACTERISTICS, SOLAR CELL STUDY
POWER ELECTRONICS	POWER ELECTRONICS LAB	Digital Storage Oscilloscope, LCR meter, Power quality analyser, Storage dual trace oscilloscope
POWER ELECTRONICS	POWER PROCESSING	Computers, Printer
ELECTRICAL ENGINEERING	POWER QUALITY AND MEASUREMENT	POWER QUALITY ANALYZER, DSO, SENSOR CIRCUIT, CRO
ELECTRICAL ENGINEERING	POWER SYSTEM LAB	Relays, CT PTs
INDUSTRIAL ENGINEERING	PRODUCT DESIGN & DEVELOPMENT LAB.	LED TV, Multimedia Projector
MECHANICAL ENGINEERING PRODUCTION	PRODUCTION WORKSHOP	BASIC MACHINE LIKE LATHE, MILLING, DRILLING ETC
INFORMATION TECHNOLOGY	PROGRAMMING LAB	Computers, Switch, LAN Connectivity, Projector, Podium
CHEMICAL ENGINEERING	PRPC LAB	Ables Flash Point App., Aniline Point App., CLEVELAND FLASH & FIRE POINT APP., CLOUD AND POUR POINT APP
MECHANICAL ENGINEERING	REFRIGERATION AND AIR CONDITIONING LAB.	VAPOUR ABSORPTION REFRIGERATION SYSTEM PRESSURE MEASUREMENT APPRATUS COLING TOWER TRAINER HEAT PUMP
CIVIL ENGINEERING	SOIL MECHANICS & FOUNDATION ENGG	Plate load Apparatus Spt test Apparatus Box shear apparatus Procor test apparatus Consolidation
INDUSTRIAL ENGINEERING	STATISTICS & QUALITY CONTROL LAB.	Digital Micro Meter, Dial Indicator, portable meters, Measuring Tap
CIVIL ENGINEERING	STRENGTH OF MATERIAL	"Universal testing Machine (10T capacity) Compression testing machine (200 T) Izod Impact test
CIVIL ENGINEERING	SURVEYING LAB	"TSDP METER, MICRO-OPTIC THEODOLITES AUT. LEVEL CHAINS, TAPES, COMPASS, DIGI. THEODOLITE PLANETABL, GPS
ELECTRICAL ENGINEERING	SWITCHGEAR AND PROTECTION	Parallel Feeder Protection, Numerical Protection for Three phase generator, Three phase Transformer
MECHANICAL ENGINEERING	THERMAL LAB	"BOLLER, COMPRESSOR, TURBINE, BALANCING m/c dead wt. Pr. Guage tester"
CIVIL ENGINEERING	TRANSPORTATION	F&F point test, Impact test mach., Elongation & flakiness index mach., DUCTILITY TEST, SOFTNING POI
CIVIL ENGINEERING	WATER RESOURCES	"HYD. BENCH OPEN CHANNEL, DARCY'S LAW, PRESSURE MEASUR. BERNOULLI'S THEOREM, REYNOLD'S NUM., V NOTC
INFORMATION TECHNOLOGY	WEB TECHNOLOGY LAB	Computers, Switch, LAN Connectivity
INDUSTRIAL ENGINEERING	WORK SYSTEM DESIGN LAB.	Tread Mill, Phill Caroll Discs, Stop Watches
MECHANICAL	WORKSHOP	LATHE MACHINE, DRILLING MACHINE, MILLING

Computing Facilities

Internet Bandwidth

The Number of PC is 526. The CWAN - Campus Wide Area Network provides the Internet facility with 100 MBPS NKN Link. The CWAN is setup with 700+ Wired IO Ports.

The institute has NAMO WIFI facility with 100 MBPS.

Number and configuration of System

Total Number of Computers: 526

Special purpose facilities available (Conduct of online Meetings/Webinars/Workshops, etc.)

Microsoft Teams: At present, online academic activities are conducted through Microsoft Teams with individual accounts of all faculties and students. Microsoft Teams is also being used to conduct various meetings for the faculties and staff members.

Video Conferences: A Video Conferencing Unit is being used to conduct online meetings with the Directorate of Technical Education-Gandhinagar. This setup is also used for online faculty development programs.

Webinars: Various academic, alumni and motivational webinars are being organized through Google Meet, YouTube Live and Facebook Live.

Ansys: Ansys software is configured in client-server model. It is accessible throughout the campus.

Facilities for conduct of classes/courses in online mode (Theory & Practical)

Microsoft Teams: At present, online academic activities are conducted through Microsoft Teams with individual accounts of all faculties and students.

Virtual Lab: Our Institute is an approved Nodal center for Virtual Lab, an Initiative of MHRD under National Mission on Education through ICT. In this Context we have signed a MoU with IIT Bombay to impart and strengthen technical Skill among students of our institute under this initiative.

Graphics Tablets: Institute has following Graphics Tablets to conduct online sessions.

Innovation Cell

Government of Gujarat has developed a policy, SSIP-Student Startup & Innovation Policy for providing assistance to Startups/ Innovation. Under this scheme, any individual/ group of individuals having innovative idea/ Concept will be eligible and/ or Universities/ education institutions, Incubation Centre/ PSUs/ R&D Institutions/ Private and other establishments will be eligible as an institution to support and mentor to innovators as approved by Committee. Startups in an economy's technology sectors are the important indicators of technological performance for several reasons.

The Government of Gujarat under SSIP aims to create an integrated, state-wide, university-based innovation ecosystem to support innovations and ideas of young students and provide a conducive environment for optimum harnessing of their creative pursuit through GKS.

Social Media Cell

Linkedin

LinkedIn Placement Cell

YouTube Channel

Facebook

Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments

- Not Applicable -

List of facilities available

Games and Sports Facilities

- Sports room
- Badminton court
- Cricket/Football ground
- Table tennis room
- Equipment for indoor sports like carom, chess

Facilities for Extra-Curricular Activities

- Seminar rooms

Soft Skill Development Facilities

- **Language Laboratory** is equipped with a television connected with the computer and audio console for learning language skills.

It caters to the development of English pronunciations, grammar, communication skills especially listening and speaking.

- **DELL Laboratory** (Digital Education and Learning Laboratory) has 25 computers and a master/server computer connected through LAN.

It caters to the development of functional English in students.

- **SCOPE** (Society for creation of Opportunities through Proficiency in English) in collaboration with Cambridge University

It conducts choice based exam.

It caters to the development of language skills in all undergraduate students.

- **Finishing School** run by Knowledge Consortium of Gujarat having components like life skills, employability skills, functional English skills

It is a choice based certification program.

It caters to the development of personality, soft skills and language skills in pre-final and final year students.

It is a grooming program that helps in placement.

Teaching Learning Process

Curricula and syllabus for each of the Programmes as approved by the University

Latest updated copy of university syllabus available on <https://syllabus.gtu.ac.in/Syllabus.aspx?tp=BE>

Academic Calendar of the University

Latest updated copy of University academic calendar available on <https://www.gtu.ac.in/AcademicCal.aspx>

Academic Time Table with the name of the Faculty members handling the Course

<https://www.lecollege.ac.in/ssection/timetable>

Teaching Load of each Faculty

Each faculty member of the institute is given the teaching load as per the AICTE/DTE norms.

Internal Continuous Evaluation System in place

Each department of the institute conducts MID semester test as per academic calendar of the institute. Faculty members conduct class test to evaluate students. To evaluate the practical knowledge of the student various tests regarding laboratory experiments are conducted. Students are given mini projects/projects/seminar/assignment to evaluate them in all aspects.

Student's assessment of Faculty, System in place

- Online academic feedback of subjects taught by faculties are taken from students once in a semester. Different parameters on which teaching/learning is assessed are like communication skill, readiness of faculty to help and support, content coverage of syllabus including theory and practical, use of ICT etc..

We have implemented *AICTE 360 degree feedback* portal for students and faculty feedback.

For each Post Graduate Courses give the following:

- **Title of the Course-**
 - **M. E. Civil (water resource engineering)**
 - **M. E. Electrical engineering**
 - **M. E. Power electronics**
- **Curricula and Syllabi**
<http://syllabus.gtu.ac.in/Syllabus.aspx?tp=ME>

Special Purpose

Software, all design tools in case

Some major software packages are MATLAB, Ansys etc.

Institute academic calendar

[Click here to open](#)

16. Enrolment and placement details of the students in the last 3 years

16.1 Enrolment details of the students in the last 3 years

Enrolled Students Detail

Year	No of First students	D2D Students
2019	387	61
2020	307	85
2021	262	223
2022	74	226
2023	112	119

16.2 Placement details of the students in the last 3 years

	2019-20	2020-21	2021-22	2022-23
No of companies Visited for Placement	27	22	03	22
Total Companies (On Campus + Off Campus + Pool Campus + Walk In Drives)	27	22	03	22
Total Number of students interested for placements	305	310	218	399
No of students placed by campus placement	54	29	07	55
Lowest Salary Package (in Lac)	0.6	0.60	3.36	1.22
Highest Salary Package (in Lac)	3.67	2.55	7.00	7.50
Average Salary Package (in Lac)	2.135	1.57	5.18	3.37
Self Employed students	7	05	02	0

17. List of Research Projects/Consultancy Works

Projects

Number of Projects Carried: 02

Name of Faculty: 1. Dr. V. V. Patel 2. Dr. D.D. Bantwa

Name of Funding Agency: Department of Education under STEM Scheme

Academic Year: 2021-22

Grant Received: Rs. 1 lac to project 1 entitled Investigation on harden ability for low and high alloy stills and
Rs. 65000 to project 2 entitled Graph leveling techniques for channel assignment problem

Publications out of Research in last three year out of Master's Projects

Date of Publication	Title of Publication	Publication Agency	Main Author	Co- Authors
23-04-2019	Operation and Control of Non-isolated Interleaved Bidirectional DC-DC Converter Integrated with Solar PV system	IEEE	Kunal Pathak	S.H.Trivedi M H Ayalani
23-25 April 2019	Analysis of a Modified Interleaved Non-Isolated Cuk Converter with wide range of load Variation and reduced Ripple content	IEEE	Beena B. Tuvar	M H Ayalani
23-25 April 2019	Cost Effective Solar based PWM Push-Pull Inverter for low Power Application	IEEE	Ramani Shrenik Dineshbhai	M V MAKWANA R N RATHOD
23-04-2019	Design and Implementation of Soft Switching based Push Pull Converter for LED Application	IEEE	Kalariya Chandresh	M.V. Makwana R. N. Rathod
27-29 Nov-2019	A Simulation and Analysis of Neutral Point Clamped Multilevel Inverter	IEEE	Jayraj Dilipbhai Chanv	M.V. Makwana
23-04-2019	Significance of Capacitor Voltage Balancing in Multilevel Inverter	IEEE	Preeti Kushawaha	Vinod J. Rupapara Parth M. Shah

Industry Linkage

Department	Academic Year	Name of Agency/Industry	Details of Work	Revenue Generated/Fees Charge (Rs)
Applied Mechanics Department	19-20	M/s H. P. Rajyaguru Ambika Bhuvan opp. GEB, Nana Mauva Main Road, Rajkot-360001	Proof checking of structural design of passage slab connecting with the lift well at Rajkot Railway Station	20000
Applied Mechanics Department	19-20	Executive Engineer (c) Postal Civil Division, Rajkot-36001	Structural assessment of damaged R.C.C structure at post office building at Jamkalyanpur and Morbi.	20000
Applied Mechanics Department	19-20	M/S. Prakash Construction, "Amidev", 3-Shashtrinagar Society, Laxmi Society main road, Near Rajnagar, Nanamava Road, Rajkot-360004.	Proof Checking of structural design G+1 building at western railway Rajkot.	14500

Applied Mechanics Department	19-20	Gayatri Engineering Co. Engineer and contractor, A-22, Rajlaxmi Park Society, Nr. Abhilasha Char Rasta, New Sama Road, Baroda-390008.	Structural proof checking of G+2 located at Dwarka	21000
Applied Mechanics Department	19-20	Chief Engineer Construction, GSRTC Corporation, Madhyasth Kacheri, Construction Department, 1st Floor, Near Ranip Bus Terminal	Proof checking of GSRTC bustation building located at Charade, Demai, Ladol of Himmatnagar district and Bhanwad of Jamnagar District.	175447
Applied Mechanics Department	19-20	Executive Engineer (c) Postal Civil Division, 3rd Floor, Baherampura PO building, Ahmedabad-380022	Structural assessment of damaged R.C.C structure of Gents Hostel Building in the campus of postal training center at Harni Road. Vadodara.	10000
Applied Mechanics Department	20-21	Executive Engineer (c) Postal Civil Division, Rajkot-36001	Structural assessment of the Head Post Office building located at Bhuj.	10000
Applied Mechanics Department	20-21	BALAJI INFRA, 10, RAYLI CHAMBER, O/S-GANGANAKA, SATAPAR ROAD, ANJAR-KUTCH-370110	PROOF CHECKING OF STRUCTURAL DESIGN AT RATNAL AND ANJAR RAILWAY STATION BUILDING	38000
Applied Mechanics Department	21-22	Head Officer, Bhachau Palika, Nagar Sva-Sadan, Bhachau, Kutch.	Proof check of steel structure "Gateway of Kutch" project under the grant of SJMMSVY.	30000
Applied Mechanics Department	21-22	M/s. Mohanlal M. Kakrecha 224/12-C, Lilasha Nagar, Gandhidham Kutch-370201.	Proof check of RCC structure at Samakhyali Railway Station	10000
Applied Mechanics Department	21-22	HAMIRBHAI SAMANTBHAI SUTREJA 1ST Floor, In front of Shekh Garage, Mangrol Road, Keshod, Junagadh.	Proof checking report of RCC UG Sump located at Gandhidham Railway Station.	20000
Applied Mechanics Department	20-21	Deputy Engineer Civil, PGVCL, Morbi	Cube Testing	180
Applied Mechanics Department	20-21	Deputy Engineer Civil, PGVCL, Morbi	Cube Testing	540

Applied Mechanics Department	20-21	Deputy Engineer Civil, PGVCL, Morbi	Cube Testing	180
Applied Mechanics Department	20-21	Deputy Engineer Civil, PGVCL, Morbi	Cube Testing	180
Applied Mechanics Department	20-21	Deputy Engineer Civil, PGVCL, Morbi	Cube Testing	180
Applied Mechanics Department	2022-23	Khodal Construction, Viramgam	Proof checking for structure design of "Railway Electric building at Dwarka, Gujarat"	25000
Applied Mechanics Department	2022-23	M/s Nilkanth Construction, Jam sakhpur, Jam Jodhpur, Jamnagar	Proof checking of structural design of Underground sump of capacity 288 kL at Jetalsar	15000
Applied Mechanics Department	2022-23	M/s Kalthia Engineering and Construction Ltd. "Kalthia House" 193, Satyagrah Chhavani, Opp Iscon Mega Mall, S.G. Highway, Ahmedabad-15	Proof checking of structural design of Railway Building at ROB location	10000
Applied Mechanics Department	2022-23	Solarium Green Energy Pvt Ltd B-1208, World Trade Tower, Near BMW showroom, Sarkhej-sanand cross road, SG Highway, Ahmeabad.	Vetted of module mounting structural design and drawing for small rooftop project	5000
Applied Mechanics Department	2022-23	M/s Nilkanth Construction, Jam sakhpur, Jam Jodhpur, Jamnagar	Proof checking of structural design of Underground sump at Gondal Station Gujarat	12000
Applied Mechanics Department	2022-23	Solarium Green Energy Pvt Ltd B-1208, World Trade Tower, Near BMW showroom, Sarkhej-sanand cross road, SG Highway, Ahmedabad.	Vetted of module mounting structural design and drawing for small rooftop project.	5000
Applied Mechanics Department	2022-23	Chitra Construction Co	Proof checking of structural design of proposed construction of (1) Limkheda station building and cable hut (2) Dahod station store building.	30000
Applied Mechanics Department	2022-23	Mavani Shreekar J V 405, Nine square building, Near zanzarda cross road, Junagadh Bypass Highway, Junagadh	Proof checking of structural design of proposed construction of Railway colony of Rajkot Division - at Okha	20000

Applied Mechanics Department	2022-23	Mavani Shreekar J V 405, Nine square building, Near zanzarda cross road, Junagadh Bypass Highway, Junagadh	Proof checking of structural design of proposed construction of type II quarter 09 nos at Maliya miyana	16000
Applied Mechanics Department	2022-23	Mavani Shreekar J V 405, Nine square building, Near zanzarda cross road, Junagadh Bypass Highway, Junagadh	Proof checking of structural design of proposed construction of officer rest house at Porbandar @ Kanalus-Porbandar section	10000
Total Fees Charge				5,18,207

LoA and subsequent EoA till the current Academic Year

<https://www.lecollege.ac.in/disclosure/aicte>

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