

LDCE

NEWS LETTER

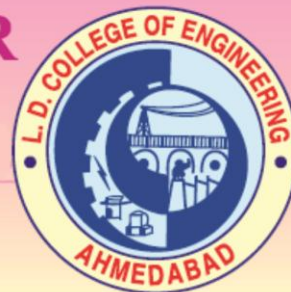
Quarterly Magazine

January - March, 2019

L. D. COLLEGE OF ENGINEERING AHMEDABAD-15

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L.D. College of Engineering, Ahmedabad-15.

1.FROM THE DESK OF THE PRINCIPAL



Principal, Dr. G. P. Vadodaria

Dear students and faculty members

The year began on a note of positivity and hopefulness with the continuing tradition of Kite festival, Umeed. We celebrated the 70th Republic day with all the grandeur and responsibility. The campus resounded with almost 9000 participants from all over the country for the ISTE Convention 2019 which was inaugurated in the august presence of Shri Vijaybhai Rupani, Hon. CM, Gujarat and other honourable dignitaries. Further, in continuation with the academics and research, various departments organised expert lectures, industrial visits, and other innovative events. The concrete and promising results that the SSIP cell is coming up with is highly appreciable. These three months were eventful in all the senses as we witnessed many fests and equally great response. Whether it be Sahitya Sarita 2019, which came as a wave of change through literature and culture or the techno-cultural festival of Lakshya 2019; we enjoyed, learnt a lot and contributed our bit. Moreover, the other achievements of students and faculty members add to the energy which would lead us through the year. It is indeed appreciable that we are working with great zeal to achieve our targets, whether they be academic or otherwise, like the festival Umeed and blood donation camps.

I hope we work with same efforts round the year to create a better year for us as well as for the students.

Dr. G P Vadodaria
31st March 2019

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Patron

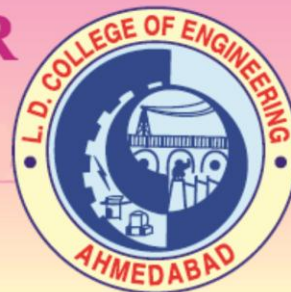
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2.PAPERS PRESENTED/PUBLISHED

Applied Mechanics Department

- Prof. C.D.Patel published a paper entitled "Experimental Study of Adobe Type Vernacular Structures under Dynamic Loading", Paper id 329, Pp.157; in STEM'19 jointly organized by Education Department & Department of Science & Technology GoG.
- Dr.M.V.Shah & Arpit Patel published a research paper entitled "Strength and Deformation Characteristics of Jointed Block Rock Matrix Using Triaxial System" in IACMAG Symposium 2019, published as Hard Bound Volume by 'Springer', IIT Gandhinagar, Gandhinagar, India, 05-07 March 2019, Paper ID 274
- Krishna Shah and Dr C. S. Sanghvi has published a paper entitled "Comparison of Response Spectrum of Recorded Earthquakes with Indian Standard Code", International Journal of Technical Innovation in Modern Engineering & Science E-ISSN 2455- 2585 Vol.V/ Issue III/Jan-Mar, 2019

Bio Medical Department

- Prof. Pooja. L. Gohel has published the paper 'Kidney stone detection using image processing on CT image' in IJMTE, volume 8, Issue XI, November /2018.

Civil Engineering Department

- Prof. Utkarsh Nigam, Dr. Yadav S. M., have presented a paper entitled as "Development of Computational Assessment Model of Fuzzy Rule Based Evaluation of Groundwater Quality Index: Comparison and Analysis with Conventional Index", in SUSCOM-2019, Amity University Rajasthan, Jaipur, India, February 2019.
- Prof. Utkarsh Nigam, Savankumar, Thakkar Darshit have published a paper entitled as "Suitability And Prominent Analysis On Proposal For Constructing A Dam On Wakal River Basin, North Gujarat-Rajasthan Border", in Global research Journal and at Proceedings of National Conference on Emerging Research and Innovations in Civil Engineering, 2019, Feb. 2019.
- Prof.(Dr.). Pradip J. Gundalia, Prof. Rena N. Shukla have published a papers entitled 1. "Evaluation of Flexible Pavement Profile Using Developed Profilometer" pp.no.194-199, 2. Review on Techniques for Mode choice analysis of Urban Residents- " pp.no.530-533 with Ankit Gupta, 3.

"A Review on Comparing Various Methods of Trip Generation" pp.no.530-533 with Bhut Krunalkumar Arvindbhai in JETIR (ISSN-2349-5162) in January 2019, Volume 6, Issue 1.

- Panchal Smit Dilipbhai, Prof.(Dr.). Pradip J. Gundalia, Dipika Gupta have published a paper entitled as "Influence of Speed Variation on Human Behavior while Negotiating the Horizontal Curve-paper" in JETIR (ISSN-2349-5162) in February-2019 5.87 Impact Factor Published in Vol 6 Issue 2

Chemical Engineering Department

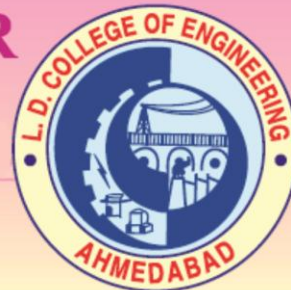
- A review paper entitled "A bird's eye view of Life Cycle assessment-An effective tool to evaluate environmental effects of a process or a product throughout its life cycle." by Prof. C. G. Bhagchandani is published in the IJREAM, ISSN : 2454-9150, Volume 4, Issue-9, December, 2018.
- A research paper on "Activity Coefficient Parameters Determination for various VLE models for Propionic Acid-Water-Salt Mixture at isobaric conditions is published by Prof. R. P. Bhatt in the IJREAM ISSN : 2454-9150, Volume 4, Issue-9.

General Department

- International Journal Publication by Brijesh Kumar Tripathi on "Nonholonomic frames for Finsler spaces with deformed (alpha,beta)- metric" in Italian Journal of Pure and Applied Mathematics, N.41(2019), 663-670. ISSN 2239-0227, SCOPUS JOURNAL.

Electrical Engineering Department

- N N Shah has published a paper on "Simulation and fault analysis of HVDC line protection using circuit breaker" in Journal of Advances and scholarly research in Allied edu.Vol.-16, issue-3, ISBN : 2230-7540.
- Dr. B. J Shah has published paper on "Damping of inter-area mode oscillations by H-infinity loop shaping technique based UPFC controller" in National Power System Conference on 16 Dec, 2018 at NIT Trichy.
- A paper on "Need for STEM Education in India" co-authored by Prof. N. V. Sinha, Prof. R. J. Patel and Prof. F. A. Macwan was selected at the International Conference on STEM held under the aegis of Vibrant Gujarat 2019.
- Dr. K B Kela, has published a paper with the title "Reliability optimization of electrical distribution system considering expenditure on maintenance and customer interruption" in Indonesian Journal of



Electrical Engineering and computer science, a Scopus Indexed Journal, vol.14, No-3, January 2019, pp-1057-1064

Electronics and Communication Department

- Prof. P.P Prajapati, Prof. Kunal Acharya, and Dr. M.V Shah's Paper titled "Optimization of CMOS Miller OTA using Differential Evolutionary Algorithm" got published in International Journal of Intelligent Systems and Applications in Engineering in March 2019.
- Prof. P.P Prajapati, Prof. K.A Kunal Acharya, and Dr. M.V Shah's paper titled "Optimal Cell Sizing of CMOS Two Stage Operational Amplifier using Cuckoo Search Algorithm" got selected in Journal of Artificial Intelligence Research and Advances.
- Bhumika Israni of ME 4th semester has submitted a research paper on "Performance Analysis of Avalanche Photo-diode detector based Low Noise optical receiver" under the guidance of Prof. Usha Neelakantan and Shri Vishnu Chaudhary at SSIP conference.

Information Technology Department

- Mahesh Raghvani and Prof Bakul B Panchal published a paper entitled "Comparative study on various task scheduling approaches in cloud computing environment" in Journal Of Applied Science And Computations volume 2, issue 6 in January 2019.
- Dr. Purvi Ramanuj published a papers entitled 1. "Security using identity based cryptography – Key Generation" and 2. "Security Using Identity Based Cryptography" in Journal of Applied Science and Computations ISSN NO: 1076-513, Volume 6, Issue 3 in March 2019.
- Sangeeta Giri and Prof Shittal Solanki published a paper entitled "Survey on various methods used in recommendation system" in Journal Of Applied Science And Computations volume 2, issue 6 in February 2019.
- Arpita Maheriya with Prof Jahnvi Patel published a paper entitled "A Survey on Discrete Job allocation Algorithms in Cloud computing" in Journal Of Applied Science And Computations volume 2, issue 6 in February 2019.
- Trupti Kolcha along with Prof Swati Patel published a paper entitled "A Survey on Energy Efficiency Based Resource Utilization in Cloud

Computing" in Journal Of Applied Science And Computations volume 6, issue 3 in March 2019.

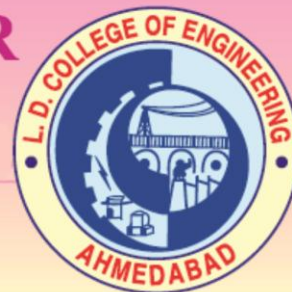
- Ashika Patel with Prof Mital Panchal published a paper entitled "A Survey On Resource Management Using Auto-Scaling Method In Cloud Computing" in Journal Of Applied Science And Computations volume 6, issue 3 in March 2019.
- Shreya Dhodi and Prof Manoj Patel published a paper entitled "A Survey on Different Data Streaming Techniques" in Journal Of Applied Science And Computations volume 6, issue 3 in March 2019.
- Shrenik Thakkar, Prof Pradip patel and Prof Bakul B Panchal published a paper entitled " Priority constrained Modified Scheduling Algorithm with Deadline and Waiting Time For Cloud Computing" in JOURNAL OF APPLIED SCIENCE AND COMPUTATIONS volume 6, issue 3 in March 2019.
- Nirav N Prajapati, Prof Ankit C Patel and Prof Bakul B Panchal published a paper entitled "Mobility enable Architecture for Macro Networks in MIIoT" in Journal Of Applied Science And Computations volume 2, issue 6 in February 2019.
- Hiral Prajapati and Prof Vidhisha Thakkar Panchal published a paper entitled "Survey on associative classifier with different classification techniques" in Journal Of Applied Science And Computations volume 6, issue 3 in March 2019.

Instrumentation & Control Engineering

- Dr.Manish Thakker has published papers on 1. "Enrichment of Ultrasound Images Using Noise Reduction Techniques: Review Paper" and 2. "Implimentation of data fusion algorithm on indoor environment monitoring system" in GTU - International Conference - GTU ICON 2019.
- Dr.Manish Thakker has published paper on "Climate Control of Greenhouse System using Neural Predictive Controller" in International Conference on RENEWABLE ENEGRY AND CLIMATE CHANGE at IITRAM –Ahmedabad. February 1-2, 2019

Mechanical Engineering Department

- Hiren M Gajera, Komal G Dave, Veera P Darji have published a paper on "Optimization of process parameters of direct metal laser sintering process using fuzzy based desirability function approach" in Journal Of The Brazilian Society Of Mechanical Science And Engineering, Vol. 41(3), March 2019.



(DOI: <http://dx.doi.org/10.1007/s40430-019-1621-2>, Springer Publisher).

- Hiren M Gajera, Komal G Dave, Veera P Darji have published a paper on “Experimental investigation and analysis of dimensional accuracy of laser based powder bed fusion made specimen by application of response surface methodology” in Journal of Progressive in Additive Manufacturing. (DOI:<http://dx.doi.org/10.1007/s40964-019-00076-8>, Springer Publisher).
- Prof. G N Sutaria, Prof. A G Momin and Mr. Harshal Mehta has published a review paper on “Performance and emission analysis of single cylinder 4 stroke CI Engine using waste plastic oil with additives” in Journal of Emerging Technologies and Innovative Research, ISSN-2349-5162 Volume -6, Issue 2, pp. 255-259, Feb 2019.

Rubber Technology

- Prof. Rupande Desai, Prof. Gnanu Bhatt and Mr. Joel Lalucharian filed patent titled “Modification of FKM with UHMWPE for Pharmaceutical Hoses” during March, 2019.
- A paper was presented on “Artificial Muscles: Robotics Application” jointly written by Pratiksha Awasthi, Prof. R.N.Desai and Prof. S.J.Padhiyar in GTUICON-2019 on 16th March, 2019.
- A paper was presented on “Study and development of green elastomeric compounds” jointly written by Akash Limbani and Prof. R.Y.Modan in GTUICON-2019 on 16th March, 2019.
- A paper was presented on “Change in design of Non-Pneumatic tire with use of Polyurethane Elastomer” jointly written by Raviraj Patel and Prof. G.G.Bhatt in GTUICON-2019 on 16th March, 2019.

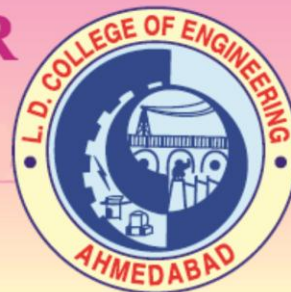
2. DEPARTMENTAL ACTIVITIES

Applied Mechanics Department

- As a part of the Pedagogical series, organized by the department, the following expert lectures were arranged:
- An expert lecture was arranged on 5.1.19 on Real Estate (Regulation & Development Act). The lecture was delivered by Dr. Vatsal S. Patel, Technical Officer, RERA, Gandhinagar. The lecture was well attended by all the students of B.E.(Civil) & M.E and faculty members of both the Civil & Applied Mechanics Department. The session was quite interactive and the speaker

Dr.Vatsal Patel answered all the queries posed to him related to the RERA.

- An expert talk on “Innovations in Concrete” was arranged on 7.2.19, for the students of B.E. Civil (Sem IV). The talk was delivered Mr.Birjeet Kumar (Marketing Manager of RMC Pvt Ltd) – a division of Prism Cement. The lecture was informative as it helped the students to know about all the latest types of innovation in material of concrete along with its relevant applications.
- An expert lecture was arranged for students of ME_SEM-II & IV (Geo) on 18th Feb 2019 and 19th Feb 2019. Lecture delivered by Mr. Darshan Chhatbar (Anandjiwala consultancy limited). the lectures were on site investigation and field tests in geotechnical field. The expert talk was informative in current innovations in geotechnical field for students.
- Under GIDM-LDCE MoU, a training program via virtual classroom on “Orientation to the Principles of Disaster Risk Management-Understanding Risks” for Faculties, Staff and Students of LDCE was organized by Applied Mechanics Department on 1st February 2019. More than 100 students and faculty members have attended the programme.
- 21st ISTE National student convention-2019 was held on 29th & 30th January, 2019, Applied mechanics department of LDCE had organized competitions on Photography, Quiz, Idea Presentation, Creative charts and Demonstration of concepts of structural engineering using models which aimed to inspire innovative thinking in the various fields of structure design and analysis in which about 250 students had participated. L.D. students bagged up 3rd runners up prizes in Demonstration of concepts of structural engineering using models event, 2nd runners up prizes in, idea presentation and Quiz events and first prize in Creative Charts.



- The Department scheduled, organized & successfully conducted a training program entitled "Analysis and Design of Structures Using STAAD.Pro Software" between 11th – 15th March'19, under the aegis of "Finishing School Advanced Training of Trainers Programme", jointly organized by GKS & LDCE under the guidance of Principal sir and Dr. M.B.Dholakia (Programme Coordinator). Prof P.G.Patel was the Main Coordinator and Prof. C.D.Patel (Co-coordinator) from the Applied Mechanics Department. A total of 23 participants from various Degree Engineering colleges across the state had participated in this training programme. The expert lectures during the training were delivered by the stalwarts like Dr.B.J.Shah, Prof.P.G.Patel, Prof.C.D.Patel. Every single lecture was followed by a hands on session, which made the training all the more effective.



Automobile Engineering Department

- The Department has successfully organized 8 days Internship program for Designing of Racing car for students all across India in collaboration with Ellite Technogroup.



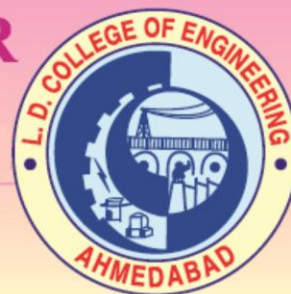
- Automobile Department has successfully organized 5 different events under the banner of ISTE National convention-2019.



Bio Medical Department

ISTE EVENTS 2019, BIO INNOVISION 2019

- Medi Mode: More than 50 participants made different models of anatomy and physiology.
- Tachie Talk: It is an extemporal technical debate where nothing matters, but knowledge. More than 25 participants from various colleges took part in this event and presented their knowledge at best for various biomedical engineering field related topic for talk.
- Circuit-Hunt: It is an event where one has to think like an engineer and prove it by circuiting electronic components and getting desired output to show dexterous in electronics. More than 60 participants from various colleges made the electronics circuits.
- E-Ideate: E-Ideate is an event that invites innovations that have ability to convert ideas into invoices, to solve problems that pervade society. Competition is based on empowering the nation through Digital Innovation in E-health.
- Bio Print: A Bio-Print is a poster presentation event which can take you forward to witness an Innovation in Rehabilitation: Current Practices & Future Perspective with creative ideas which put forward with some solid supportive information.



Chemical Engineering Department

- Department has organized one week training program under finishing school – Technical Advanced for the faculties of different engineering colleges on “Advancement in Chemical Reaction Engineering and Catalysis” from 11-15th March, 2019.
- An industrial visit for 3rd year student was arranged at Institute of Plasma Research, GIDC Bhatt, Ahmedabad. The student visited their two campuses at IPR, Bhatt and FCIPT, Sec-25, Gandhinagar on 7th Feb, 2019. Prof. S. M. Dutta coordinated the visit. Prof. Ruperi Rupal and Prof. Vandana Gojiya accompanied the students for the visit.



- An industrial visit for M.E. 1st year students was arranged at Harsh Organochem, Phase – IV, GIDC Vatva, Ahmedabad on 13th Mar, 2019. Prof. S. M. Dutta and Prof. R. P. Bhatt coordinated and accompanied the students for the visit.



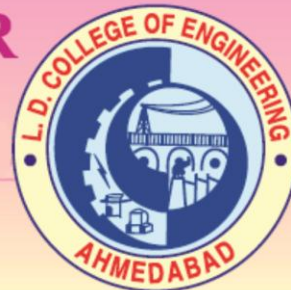
Civil Engineering Department

- The ISTE Student National Convention – 2019 was arranged to provide platform for demonstrating innovation of inquisitive learners and thereby empowering the sustainable growth of nation at

large at L.D. College of Engineering. Under the convention – 2019 the department has arranged What an Idea ! (WAI), Design-o-Metron, Civilocation, Edifice and Scavenger Vortex Events. Following are the event details and winner details: In What an Idea ! (WAI) event was initiated with 140 participants from various institutes of different states of India. The event was nourished by presentation of 10 models and 9 posters.



- Prof. R. N. Patel (GGP, Ahmedabad) and Prof. R. M. Patel (GGP, Ahmedabad) judged the event. 1st prize winner: Jigar R. Solanki (GEC PATAN) 2nd prize winner: Gitanjali M. Gaikar, Shreyas S. Vaghmare, Tejal Mukane, Mali Kalpesh, Pravin Patil- Mumbai.
- In Design-o-Metron event 140 Students were given 3D drawing in AutoCad 2018 & instructed to make 2D plan of G+1 Bungalow as per Building Byelaws, Principles of Planning, Principles of Architecture with furniture layout, Schedule of Opening, Master Toilet & all amenities. Mr. Sarvang Pandya & Mr. Bhargav Gajjar (Khodiyar Cad Centre) judged the event. 1st prize winner: Gadhavi Rahul, Rana Sandipkumar, Thakkar Jayeshkumar (GEC Bhuj) 2nd prize winner: Nasit Maulik, Hisoriya Keneel, Savani Harshil(Dr. S. & S. S. Gandhi Government Engineering College Surat.)
- In Civilocation, the event total registration done was 67 from across India, also two participants were from abroad i.e. Uganda (ICCR students of Bapu College). First day of event successfully completed with the commencement of two parts in first rounds on their selected topic. Judges of this event were Dr. Dhruvesh P. Patel, (Asst. Prof. PDP) Dr. K.D. Acharya (Prof. & Head, AIT). 1st prize winner: Kenneth Kaunda (S.V.B.I.T., Gandhinagar) (ICCR student from Uganda) 2nd prize winner: Rucha Mehta (L. J. Institute of Engineering)
- In Edifice event total registration done was 31 teams comprising of 113 participants. Dr. N.G.Raval



(GEC, MODASA) Dr. A.K.Patel(GP, Ahmedabad) 1st prize winner: Akhil Goel, Ayushi Pandey, Kanak Bansal, Varun Sharma (Dayalbagh Educational Institute, Agra) 2nd prize winner: a) Khusbu Balani, Tanish Meena, Amankumar Yadav, Swati Ravat (Dayalbagh Educational Institute, Agra) b) Patel Jay, Vyas Shanti, Ajay Makwana (L. D. College of Engineering)

Computer Engineering Department

- Department has organized one day workshop on "ARDUINO & RASPBERRY PI" on 2nd Feb 2019. Arduino and Raspberry Pi are microcontroller components using which various hardware solutions are obtained and automation is done. 94 students had applied but due to limited resources, 48 students were selected, out of which 46 students were present for the workshop. Prof. (Dr.) Vimal Vaghela and Prof. Zishan Noorani Coordinated the workshop.



- Department Organized AI with Data science seminar by fingertips on 20th Feb 2019. Speakers were, Grishma Shah, LDCE pass out and Along with her, Mr. Sunil Purohit - founder of Fingertips. Seminar was coordinated by Prof. Bhavesh Oza and Prof. Hetal Pandya.



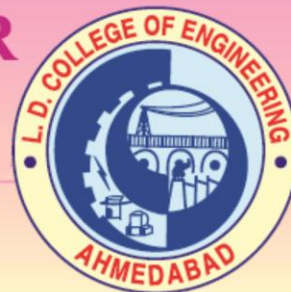
- Department Organized seminar conducted by 'The Graduate school at UMBC' for encouraging and sharing the knowledge regarding foreign study to 4th semester students on 18th Feb 2019.



- Department jointly with Innovator Club of L. D. College of Engineering, organized 'INNOVATHON: Innovating the change for society' a state level hackathon for the first time in the history of L.D. College of Engineering on 8th and 9th Feb 2019. There were more than 70 participants from Mehsana, Gandhinagar, Rajkot, Modasa, Surat and Ahmedabad. The problem statements of the hackathon had been decided after thorough discussion with the NGOs working in Ahmedabad. The students worked for the solution of the problems for 36 hours.



- 40 students of 4th and 6th semester were taken for a visit at Futuristic Technology and Space Exhibition at science city on 17th Jan 2019.



- Under 21st ISTE Students' National Convention organized by L D College of Engineering, department organized five events, poster presentation, JavaThon, Project Presentation, Mind Sport, Comp-Clave on 29th and 30th jan 2019. Approximately 900 students participated from various colleges of state. In every event, two teams were selected for first and second prize.



- Department Organized CTE approved one week faculty training program for faculties on "Android Programming" during 11th march 2019 to 15th March 2019. Prof. (Dr.) S.M.Shah and Prof.(Dr.) H.M.Diwanji has successfully coordinated the event.

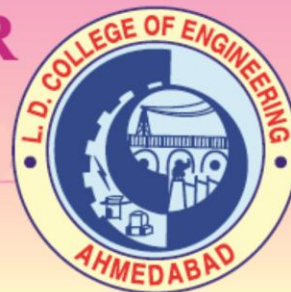


Information Technology Department

- An industrial visit was organized at Bhaskaracharya Institute for Space Applications and Geoinformatics (BISAG), Gandhinagar for the students of 4th Semester of Information Technology Department. About 33 students accompanied by two staff members Prof. Pradip Patel and Prof. Shital Solanki visited the company on 25/02/2019. Students visited various functional units of BISAG like Gujarat SATCOM Network, Centre for Informatics and Training etc. This visit was very interactive as students/faculty members asked many questions to the company staff about opportunities to carry project work there and procedure for that.



- 30 students of 6th Semester and Prof. Jaiminkumar Chavda, has visited the Science City on 28th February 2019. The purpose of the visit was to aware students about Space Technologies by visiting Exhibition "Beyond Planet Earth: The Future of Space Exploration" which is organized by the American Museum of Natural History, New York in collaboration with Gujarat Science City, Department of Science and Technology Gujarat Government. During the visit, initially Introduction to Space Technology and India's contribution and achievement was showcased by presentation. During which students had raised queries about the Space Exploration Technologies, Instrument Design for Space Application and had been answered by the volunteer of Exhibition. In the Expo, group has seen the scaled model and actual full model of space mission on Moon, Mars and other objects in solar family. At the end, the group has visited Hall of Science and Space and Planet Earth also.



Kasyap, and Shri Vismay Shah e-infochips, Ahmedabad on 8th February 2019.



- An expert talk was arranged for 6th semester students and the session was taken by Prof.B.V.Buddhadev, Professor & Head, Computer department, GEC Gandhinagar, on topic "HIBERNATE" in advanced java on 11th February 2019.
- Information Technology and Computer Engineering department in collaboration with Directorate of Technical education and GKS organized One week Finishing school: Advanced Technical Training Programme for faculty of Government Engineering Institutions on "Android Programming" in L.D. College of Engineering during 11th March to 2019 to 15th March 2019.

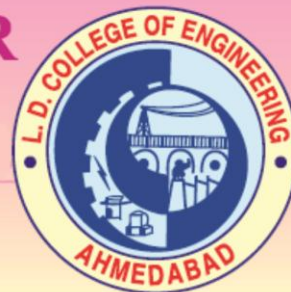
Electronics and Communication Department

- The department in association with Tanmaye's Amazing Space celebrated "100 Hours of Astronomy" and organized meteorite observation, solar and lunar observation on 10th January 2019. Also Dr. Tanmay Vyas and Dr. Parshati Patel (Astronomer) conducted expert lectures.
- Department has successfully organized Electro Spark 2019 under ISTE student convention 2019 conducted at L.D. College of Engineering Ahmedabad during 29th & 30th January 2019. There were total five events organized under Electro Spark. Circuitrix, Intervista-Finto, Robo-soccer, U Know Arduino, and Makers Backyard.
- 56 students of 6th Semester had gone for the industrial visit to e-infochips Ahmedabad on 7th February, 2019
- Expert lecture on "Advanced Challenges in VLSI Testing and Verification" was conducted by Shri Nilesh Ranpura e-infochips, Ahmedabad on 8th February 2019.
- Expert lecture on "Mixed Signal VLSI" was conducted by Shri Snehal Patel, Shri Rahul

- 1991 batch L.D EC alumnus Dr. Pranav Desai received Hero of the Year Award in appreciation for his service, dedication and support to the specially able people on 9th Feb 2019 by India Association of Los Angeles at Tokyo Japan.
- Department has successfully organized 5 events under institute's annual tech-fest called Lakshay-2019 on 14th, 15th and 16th February 2019.
- Department has recently started two IEEE student branch technical chapters namely Microwave Theory & Techniques (MTT) and APS (Antenna & Propagation System).
- Department of EC and IT have got the approval for incubation center for ICT under the Electronics and IT/ITes startup policy of Government of Gujarat from Department of Science and technology. Prof. Mihir V. Shah and Prof. Sanjay B. Prajapati will embark on the project and carry out the activities under the guidance of Prof. Usha Neelakantan.
- One day seminar was arranged on "Physical Design in VLSI" by the Eximius Pvt Ltd. on 22nd February 2019 at the department for the students. There were series of expert lectures taken by Mr. Nirmal Patel and his team.



- 15 students from the department have successfully cleared the Gate 2019.



Electrical Engineering Department

- Electrical department has organized different technical events under National level ISTE convention during 29.01.2019 and 30.01.2019 like Electrica Quiz, Electric Studio, Electric Studio, Electric Studio and Ad Mad.



- ISTE Student chapter L D College has organized tree plantation drive on 04.02.2019 at the department.



- The department has organized Expert lecture of Dr. D P Kothari on 08.03.2019.
- Five projects have been granted by SSIP cell.(1) Name of student Mr.Shivam Gothi,Mentor of Project is Prof.Mitul Patel and his topic "Compact powerful Electron beam" 26,000/- amount sanctioned. (2) Name of student Mr. Divyesh Sharma, Mentor of Project is Prof.Mitul Patel and his topic "E-AIR" 70,000/- amount sanctioned.(3)

Name of student Mr. Sathwara Jay,Mentor of Project is Prof. D.D.Trivedi and his topic "Generic Mobile case with power bank" 20,000/- amount sanctioned.(4) Name of student Mr. Jaydip Prajapati,Mentor of Project is Prof. Mihir Vasavada and his topic "Auto Re-closer ELCB" 25,000/- amount sanctioned. (5) Name of student Mr. Prince Dadhaniya,Mentor of Project is Prof. Mitul Patel and his topic "Plugtronics" 30,000/- amount sanctioned.

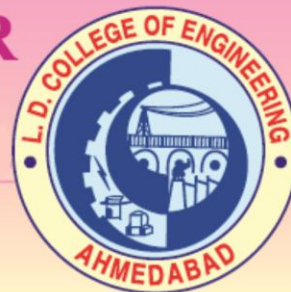
- New Computer laboratory was inaugurated on 18.03.2019 at room no. 209 in electrical department with Thirty latest computers with WI-FI facility with LCD projector, two air conditioners and required furniture costing around 12 Lakhs. All facilities in this Laboratory are donated by 1983 alumni batch of electrical engineering of LDCE. Old memories became alive when they spent their time at the vibrant campus.

Mechanical Engineering Department

- The Department has successfully organized 5 different events under the banner of ISTE National convention - 2019.
- 1. Robotics Arm Design: In this event, the students have modeled robotic arm to run on complicated path. The robot which was to be designed was articulated pick and place robot. The students picked different objects in their path and put into designated area along their path. (50 Students)



- Chain Reaction: In this event, the chain was made of several link with different materials and students completed the final task with soft tennis ball of sufficient force climbed the slope made of hard board sheet by the use of this link. (120 Students)
- Catapult: The students have prepared innovative models by use of springs and wood to execute force and torque with the use of innovative mechanism. (150 Students)
- Business Plan Presentation: In this event, the students are asked to present business plan based on theme given to showcase their entrepreneurship skills. (150 Students)



- Quiz: In this event, the students are screened on basis of technical quiz from various mechanical engineering field like; production, thermal, design and dynamics etc. (400 students)



- The Department has organized one day student Industrial Visit on 1st and 6th March, 2019 at Indo-german tool Room (IGTR) under ministry of MSME department, Vatva, Ahmedabad. IGTR Ahmedabad is equipped with the latest European machines and a motivated and trained professional team. During a visit Students have visualized working condition of various CNC machine tools, CMM machine, ordinary machine, KUKA robot for welding, Plastic injection moulding section, measuring instruments, plastic and metal Rapid prototyping tool (3D printer). This whole industrial visit coordinated by Prof. A. G. Momin, Prof. D. K. Patel and Prof. S. B. Shah.



- One more Industrial Visit was organized for students of 4th semester to export oriented foundry unit, RBD Engineers located at Khatraj, Ahmedabad on 26/02/2019. It was coordinated by Prof. S P Shah, Prof. M D Chaudhari and Prof. G N Sutaria. Total of 130 students have participated in the same. This visit helped them to comprehend the theory behind foundry technology into practice, which is a part of their curriculum in the subject of Manufacturing Processes II.

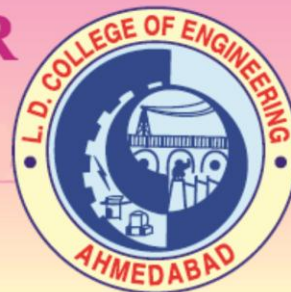


- An industrial visit to the GSRTC workshop, Naroda was organised by Mechanical Department of LDCE on Saturday, 30/03/2019. Around 100 students and 5 faculties had visited the facility on the day. Students have visited tyre retarding unit, fuel injection testing department, chassis department etc. Prof. V. D. Sonara, Prof. H. M. Gajera, Prof. H. R. Patel, Prof. P. V. Jotaniya and Prof. S. K. Dabi have coordinated the visit.



- Dr. S S Pathan and Dr. U A Patel organized a Faculty Development Programme (FDP) on "Computational Methods for Mechanical Engineers using MATLAB" during March 11-15, 2019. The FDP was planned on a very short notice period for imparting training to the faculties of Mechanical Engineering of 15 Government Engineering Colleges of the state of Gujarat, with a view to propagate the knowledge gained by the faculties to the final year students of their respective institutes as a part of "Finishing school technical: Advanced" programme initiated by the Hon. Commissioner of Technical Education, Gandhinagar.





- Prof. (Dr.) Ragesh G Kapadia and Prof. (Dr.) U. A. Patel have coordinated ISTE-GTU approved one week FDP on “Research Methodology: Tools & Techniques” during 11-16 February, 2019. The programme was designed to be generic in nature for satisfying the needs of faculty pursuing their M.Tech and Ph.Ds from academic institutions and industry personnel carrying out research in any field. There were total 31 participants from various engineering institution across Gujarat which are AICTE approved institutions and affiliated to GTU. Prof. H A Shukla, Prof. G N Sutaria, Prof. N H Pancholi and Prof. Mayur Makwana worked as co-coordinators. Dr. Navin Sheth, VC GTU, Ahmedabad and Dr. S. A. Channiwalla, Professor MED, SVNIT, Surat were chief guests for inaugural function of above FDP.



- CIPET, Ahmedabad students had visited Centre of Excellence – Siemens on 02/02/2019 and seen various COE Siemens lab. Prof. Y. D. Vora had explained about utilities of various lab in their subjects as well as various COE Siemens training programs.

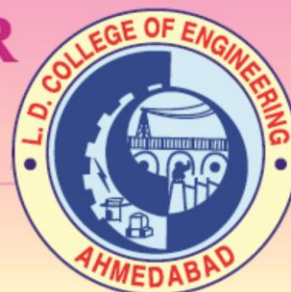


Rubber Technology

- Events of Elastoquiz, Model making, Waste Rubber Art, Group discussion and poster presentation were successfully organized and held by the Department in ISTE-2019 during 29th -30th January, 2019.
- An expert lecture organized for B.E. Sem VI students on “Magic of GATE” by Mr. Rohan Garg, MD at ICE GATE Academy on 22nd January, 2019.
- An expert Lecture series organized for B.E. Sem VIII Students on “Rubber Hose Technology” by Mr. Ronak Panchal, MD of Pravin Rubbers & Engg. Works during February, 2019.
- An expert Lecture series organized for B.E. Sem IV Students on “Black and Non-Black fillers for Rubber Products” by Mr. Atul Shah, MD of Pioneer Rubber Industry during February, 2019.
- An expert Lecture series organized for M.E. Sem II Students on “Optimization in Rubber Product and Processing parameters” by Prof. N M Patel during March, 2019.



- An expert lecture on technical area “Bearing Technology and its Application” has been delivered by renowned industrialist Shri Lalchand Soni on date 5/1/2019 at the department room no 603 for final and pre final year students of mechanical. More than 90 students and faculty members take benefit from the same through question answer session. The whole event has been successfully organized by Dr. K G Dave and faculties members.



- An Industrial visit of M/s. Pravin Rubber and Engg. Works, Bapunagar was arranged for the students of B.E.Sem- VIII on 16th February, 2019.
- An Industrial visit of M/s. Pioneer Rubber Industry, Bapunagar was arranged for the students of B.E.Sem-VI on 16th February, 2019.
- An Industrial visit of M/s. Vaibhav Industries, GIDC Vatva was arranged for the students of M.E.Sem-II on 2nd February, 2019.

4. FACULTY ACTIVITIES

Applied Mechanics Department

- All the Class-I Professors and most of the Class-2, Assistant Professors had attended the “International Conference on Science, Technology, Engineering & Mathematics (STEM)” on 17th January 2019, organized by Education Department and Department of Science & Technology as a part of Vibrant Gujarat Summit.
- Dr C S Sanghvi has delivered lecture “Importance of Experiments in Earthquake Engineering” in STTP on Advancement in Civil Engineering at SAL Group of Institutes 8th January 2019
- Dr C S Sanghvi has delivered Key Note lecture in 6th National Conference on “Applications of Nano Technology in Civil Engineering” at ITM Universe on 23rd January 2019
- Dr C S Sanghvi has delivered four lectures in a 3 day training program on Structural & Non Structural Mitigation Strategies for Sarva Siksha Abhiyan Engineers organized by GIDM, Gandhinagar 6th – 7th February, 13th -15th February & 25th – 27th February 2019. Details of lectures are given below: 1.Risks associated with Structural Components of existing school building Identification of risks associated with existing school structure - Structural elements, 2. Identification of Structural & Non-Structural Risks associated with the school visited. 3. Repair & Retrofitting Techniques of an existing school building. He has also coordinated the exhaustive field visit during the program.
- Dr C S Sanghvi, Prof Alpa Shah & Prof Bansal Patel had carried out Structural Consultancy & Audit of Design of Bus Station at Lakhani & Naliya under the aegis of Gujarat State Road Transport Corporation GSTRC.
- Dr G P Vadodaria & Dr C S Sanghvi has worked as Committee Member of Media Cell for the STEM

conference organized by Education Department in January 2019.

Automobile Engineering Department

- Prof. D J Parmar has successfully conducted First course in “Engineering Equation Solver” and “MS-Excel”



Bio Medical Department

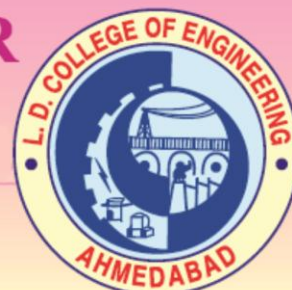
- Prof. Pooja L. Gohel had arranged an educational visit for 6th semester students on 16th February 2019 at Blind People Association as part of their practical knowledge in the subject Rehabilitation Engineering with permission of Principal, L. D. College of Engineering



Chemical Engineering

- A running event called ultra-run was organized by Ahmedabad Distance Runners (ADR) group on 23rd night at Adani Shantigram Township, Ahmedabad. In this event, Dr. Sachin Parikh participated and completed 50 km run in a stipulated time period.





- Dr. Sachin Parikh delivered expert lecture on “Design of Fluidized Bed Reactor” in Finishing School Technical Advanced on “Advancement in Chemical reaction Engineering and Catalysis” on 12 March, 2019 conducted in Chemical Engineering Department, L.D. College of Engineering, Ahmedabad.

Civil Engineering Department

- Prof.(Dr) R B Khasiya ,Prof.(Dr) V M Patel , Prof V J Chitaria, Prof.(Dr) V R Patel and Prof. N. J. Dalal have worked as a jury members in final round of Gujarat Industrial Hackathon 2019 during 6, 7 April 2019 at PDPU Gandhinagar.
- Prof (Dr) V M Patel has worked as AICTE expert visit committee member at various institute of Andhra Pradesh and Telangana on 25, 26 March and 9,10 April 2019 at Hyderabad south zone of AICTE
- Prof. (Dr.) P J Gundaliya has been working as an Officer on Special Duties at CTE since 10th March, 2019.
- Prof. (Dr.) P J Gundaliya also performed the duties as reviewer in 1st National Conference 'Emerging Research and Innovations in Civil Engineering' for Dr. S & S S Gandhi GEC, Surat, 15-16th Feb, 2019.
- Prof. (Dr.) P J Gundaliya performed duty as the reviewer for International conference on “Science, Technology, Engineering and Mathematics” organized by GoG held on 17th Jan, 2019.
- Prof. (Dr.) P J Gundaliya worked as convenor in STEM - 2019 proceedings.
- Prof. (Dr.) P J Gundaliya worked as convenor for EDIFICE event, at ISTE -2019 student chapter convention held at LDCE on 29-30th Jan, 2019.
- Prof. (Dr.) P J Gundaliya also filed a patent on “LRRMP - low cost to and rutting measuring profiler” CBR no. 1675, 25th Jan, 2019.
- Prof (Dr) V M Patel had worked as Convenor for WAI event, at ISTE -2019 student chapter convention held at LDCE on 29-30th Jan, 2019.
- Prof. J S Kamble worked in proceedings team for STEM -2019 conference.
- Prof. (Dr.) P J Gundaliya worked as Officer from CTE and did the liaison for Media activity, Prize distribution handling activities for Grand Finale of Gujarat Industrial Hackathon -2019 held at PDPU, on 6-7 April, 2019.

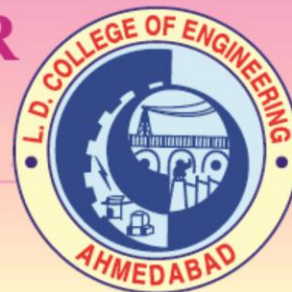
- Prof. R. N. Shukla delivered an expert lecture on “Vishwakarma Yojna of GTU” at RCTI Campus, Ahmedabad on 6th March 2019 during Induction Training Programme Phase 2 organized by NITTR (MHRD Govt of India)
- Prof. R. N Shuka worked as JURY at Regional Round of Gujarat Industrial Hackathon GIH-2019 on 19-20 February 2019 at IITRAM,Ahmedabad.
- Prof. R. N Shuka worked as Nodal Team member at Regional Round of Gujarat Industrial Hackathon GIH-2019 on 21-22 February 2019 at BVM Engineering College,V.V.Nagar,Ananad.
- Prof.H.H.Jariwala Role worked as jury member at Regional Round of Gujarat Industrial Hackathon GIH-2019 on 21-22 February 2019 at BVM Engineering College, V.V.Nagar,Ananad.

Computer Engineering Department

- Prof. Tushar Raval Coordinated a session “Successful Entrepreneur Talk – SET “organized by ED cell of LDCE. Session was conducted on 19th march 2019 at Upanishad hall, Computer Department. Expert Mr. Nikunj Thakkar from DataOne Innovation Lab was invited to talk as a successful entrepreneur. Students from all departments along with faculty coordinators were invited to attend the expert session..

Electronics and Communication Department

- Prof. Usha Neelakantan has been appointed as a member of BoS in EC Engineering at Nirma University and she is giving her expert guidance.
- Prof. Usha Neelakantan has been appointed as expert member of the departmental promotion committee at space Application center SAC ISRO Ahmedabad.
- Prof Usha Neelakantan and Shri A.B Nakrani attended seminar on “Power 2 Solve” at Hotel Rezza’s Ahmedabad on 20th February 2019, hosted by Optimized Solutions Ltd. With Tecktronix in collaboration with IETE, Ahmedabad.
- Prof Usha Neelakantan was invited as chief guest at the International women’s Day celebration hosted by IETE, Ahmedabad on 10th March 2019.

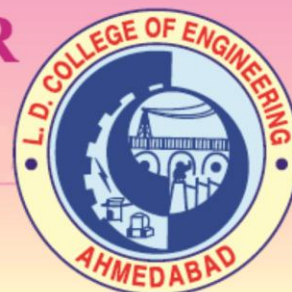


- Dr. Mihir Shah has played pivotal role in conceiving the coffee table book titled Student Startup and Innovation stories from Gujarat under SSIP policy, Education department Government of Gujarat.
- Dr. Mihir Shah provided back-end support for the Regional Gujarat Industrial Hackathon and Dr. B. S Sedani is the core committee member of Gujarat Industrial Hackathon 2019.
- Dr. B. S Sedani was the coordinator of the first round of GIH 2019 held at Marwadi University Rajkot on 22nd and 23rd February 2019.
- Prof. A.B Nandurbarkar has arranged an industrial visit to e-Infochip, Ahmedabad on 7th February 2019.
- Prof. K.G Vaghela has delivered an expert lecture on “Wireshark for networking” at MCA College Maninagar in February 2019.
- Prof. A.B Nandurbarkar delivered an expert lecture on “Research Opportunities in VLSI and Signal Processing” at VGEC, Chandkheda on 15th February 2019.
- Prof. A.B Nandurbarkar, Prof. S.B Prajapati, Prof. P.J Brahmbhatt, Prof. Anil Kshatriya, Prof. P.P Prajapati, Prof. A.B Upadhyay, Prof S.K Gonsai and Prof. H.B Tank, were invited as Jury members in the first round of Gujarat Industrial Hackathon (GIH-2019) held on 19th -20th February 2019 at IIT RAM. He was also mentor of one of the team.
- Prof. A.B Nandurbarkar was a member in the finance committee of ISTE National Student Convention which was held on 29th-30th January 2019. He is also the member in finance committee of Kaizen 2019 to be held on 11th -12th April 2019.
- Prof. P.J Brahmbhatt and Prof. Anil Kshatriya were event coordinators in the departmental event called Makers Backyard in 21st ISTE Students' National Convention 2019 held on 29th and 30th January 2019 at L.D.C.E, Ahmedabad.

- Prof. S.B Prajapati and Prof. Dhaval Patel were event coordinators in the departmental event “U Know Arduino” in 21st ISTE Students' National Convention 2019 held on 29th and 30th January 2019 at L.D.C.E, Ahmedabad.
- Prof. S.B Prajapati is the chief advisor of two IEEE Student branch technical chapter of the department namely Microwave Theory & Techniques (MTTs) and Antenna & Propagation Systems (APS).
- Prof. P.J Brahmbhatt, Prof. S.K Rana and Prof. U.V Unagar were invited as judge in “Lakshay's Got Talent 2019” organized under annual techfest Lakshay 2019 on 14th , 15th and 16th February 2019.
- Prof. M.C Sahoo and Prof. K.R Sheth were event coordinators in the departmental event called Intervista Finto in 21st ISTE Students' National Convention 2019 held on 29th and 30th January 2019 at L.D.C.E, Ahmedabad.
- Prof. S.K Rana is the interim Student Branch Chapter Chair of two IEEE Student branch technical chapter of the department namely Microwave Theory & Techniques (MTTs) and Antenna & Propagation Systems (APS).
- Prof. S.K Rana and Prof. S.L Bharvad coordinated in the event called Circuitrix in 21st ISTE Students' National Convention 2019 held on 29th and 30th January 2019 at L.D.C.E, Ahmedabad.
- Prof. P.J Muliya and Prof. A.B Upadhyay were event coordinators in the departmental event called Robosoccer in 21st ISTE Students' National Convention 2019 held on 29th and 30th January 2019 at L.D.C.E, Ahmedabad.
- Prof. K.R Sheth showcased some of her compositions of poems in the Teachers Corner segment in Sahitya Sarita 2019 on 23rd February 2019.
- Prof. P.P Prajapati has been selected as the reviewer of UK based peer review journal called International Journal of Computing Science and Mathematics.

Electrical Engineering Department

- Dr. U L Makwana has delivered expert talk on “Restructuring of Power System” at L D R P Gandhinagar on 22.01.2019 UG Student.
- Dr. U L Makwana and Dr. K B Kela worked as Jury members of Gujarat Heckathon 2019 Held at IITRAM during 19-20, Feb. 2019.



- Dr. M C Chudasama had worked as Nodal officer for Gujarat Heckathon 2019 Held at IITRAM during 19-20, Feb. 2019. The event was meant for creating awareness among technical students about Industrial problems. The participants had given useful solution related to problems.
- Dr. M C Chudasama had delivered expert talk on "Research grants for Research projects and Dr. D D Trivedi had delivered expert talk on "Latex for thesis writing "at STTP organized by Mechanical department of LDCE Ahmedabad.
- Prof. J B Modi had attended one day workshop on "EPLAN efficiency days" on 12.12.2019.
- Prof. V R Patel had attended STTP organized by Mechanical department of LDCE Ahmedabad.
- Prof D D Trivedi and Prof Nupur Sinha worked as active member in Vibrant Gujarat 2019 held at Science city during 17-20 JAN. 2019. All faculty members have participated in STEM conference at Science city on 17.01.2019.
- Prof. M R Vasavada is working as central committee member of SSIP cell of LDCE. Prof. Vihang Dholakiya is working as team member of State level SSIP cell at KCG, Ahmedabad. Prof. B J shah, Prof C D Upadhyay and Prof. M R Vasavada are departmental team members for SSIP work.
- Dr. C D Upadhyay had organized inauguration of Ahmedabad chapter of Power Engineering Society.
- Dr. B. J Shah has completed PhD on "Damping of inter-area mode oscillations using FACTS controllers" from IIT Roorkee.
- Prof. Jiten Chavda has participated in "All India national level civil services power lifting, weight lifting and best physique competition 2018-19" at Raipur on 26 Feb to 1 March 2019. He is representing as team members for said competition as gujarat secretariat team. He has participated in

power lifting competition for category of 74kg weight and best physique competition for 75 kg weight category.

- Dr. C D Upadhyay has organized STTP on "Electrical Vehical" during 11.3.2019 to 16.03.2019.

Instrumentation & Control Department

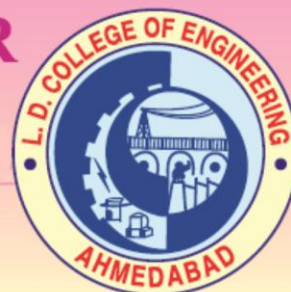
- Dr. Ankit K. Shah has registered a patent on "Multi-channel high speed counters of programmable logic controller on reconfigurable field programmable gate array design" Patent office Journal No. 05/2019. Appl no. 201921002632 A February-2019.

Mechanical Engineering Department

- Team Mechanical (Faculty Team) has won and became champions in the LDCE Staff Tennis Ball Cricket Tournament 2018-19



- Dr N M Bhatt delivered expert lecture on 'Uncertainty Analysis' during GTU sponsored and AICTE approved STTP on Research Methodology: Tools and Techniques, conducted by L.D. College of Engineering on 16th February 2019
- Dr N M Bhatt delivered expert lecture on 'Thermal Analysis of Evacuated Glass Tube Based Solar Collector with External Reflector' during AICTE sponsored STTP on Heat Transfer and Its Applications conducted by Faculty of Technology M.S. University, Baroda on 15th February 2019
- Dr N M Bhatt delivered expert lecture on 'Solar Refrigeration and Air-conditioning' during GUJCOST sponsored STTP on Design and Advances in R&AC Systems conducted by Ganpat University on 4th February 2019
- Dr P R Rathod delivered expert lecture on "Surface Engineering" at IITRAM, Ahmedabad during an STTP on Recent Advances in Tribology and Surface Engineering - 2019 on 15/03/2019
- Dr P R Rathod delivered expert lecture on "Micro/Nano finishing processes" at VGEC Chandkheda during an STTP on recent trends in CAD/CAM on 26/03/2019



- On 25th March, 2019, Dr S S Pathan delivered a lecture on "MATLAB as an intermediate tool for overcoming shortfalls of CAD softwares" in a Faculty Development Programme (FDP) on "Recent Trends in CAD/CAM". The FDP was jointly sponsored by the GTU and AICTE and organized by the Department of Mechanical Engineering, Vishwakarma Government Engineering College, Chandkheda.
- Prof. Virang H Oza successfully completed his PhD from Nirma University under the guidance of Dr N M Bhatt
- Dr N M Bhatt was appointed as Member of NBA accreditation committee by Commissionerate of Technical Education, Gandhinagar
- Dr N M Bhatt appointed as Member of Committee constituted by Commissionerate of Technical Education, Gandhinagar to prepare Auxiliary specifications for Regional and Central Makers Lab
- Dr N M Bhatt appointed as Member of Faculty of Engineering and Technology of Parul University
- Prof. D. U. Panchal has received an honor as "Best Sector Officer" by Collector – Ahmedabad district on 25th January, 2019.
- Prof. A G Momin, Prof. D U Panchal have performed liaison officer duty for making a successful event National ISTE convention program LDCE, Ahmedabad

Rubber Technology

- Prof. R.N.Desai has arranged the pedagogy meetings with 1. Mr. Atul Shah, MD of Pioneer Rubber Industry for "Novel Elastomeric Coatings" on 19th January, 2019, 2. Mr. Satish Kakani, Technical Manager at DynaTech, CA, USA and Alumina of Rubber Technology for "Dynamic Equipment" on 9th Jan, 2019, 3. Mr. Sawant, Technical Manager at BKT tires, Bhuj for "Recent development in Tire Industries" on 1st January, 2019, 4. Mr. Sujeet Bardhan, Head HR at BKT tires, Bhuj for "Recent Scope and opportunities for Rubber Technologist in Tire Sector" on 1st January, 2019, 5. Mr. Vinay Pandey, Business Development-Technical at Ami Polymer Pvt. Ltd. for "Startup and innovation in Silicone Rubber Technology" on 21st January, 2019 and 6. Mr. Nikunj Thakkar, Asst. Manager Research Development at Ami Polymer Pvt. Ltd. for "Platinum Curing Technique" on 21st January, 2019. Prof. A.D.Bhatt, Prof. B.D.Patel, Prof.

S.J.Padhiyar, Prof. G.G.Bhatt, Prof. R.Y.Modan & Prof. P.N.Chavda attended the meetings.

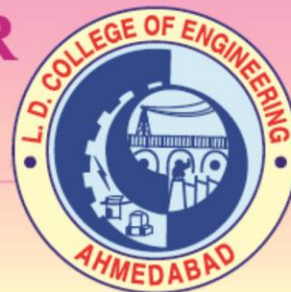
Textile Technology

- Prof.Ashwin Thakkar delivered an expert lecture on IPR at Aryabhatt hall on 5th January, 2019.
- Prof.D.V.Bihola and Prof.H.J.Jaiswal attended "International Conference on Science, Technology, Engineering and Mathematics" organized as a part of Vibrant Gujarat Summit-2019 on 17th January, 2019 at Science city, Ahmedabad.
- Prof.P.R.Patel, Prof.P.M.Mistry, Prof.K.J.Ponda attended the inauguration of Placement Fair which was organized at GMDC convention centre, Ahmedabad on 28th January, 2019.
- Prof.S.K.Parmar worked as a faculty coordinator at the Placement Fair organized at Chandkheda on 4th February, 2019.
- Prof.Ashwin Thakkar attended "Innovate 19" program at EDII on 30th and 31st March, 2019.

5. STUDENTS' ACTIVITIES

Applied Mechanics Department

- Students of B.E. Sem (VIIIth), Abhijeet Panchal, Drashti Shah, Het Modi & Kina Shah were conferred the Second Runner Up prize with a cash prize of Rs.21,000, in the National Level Competiton INSDAG held at Kolkatta for designing "A remarkable Steel Intensive Innovative Car Service Station". The competition was scheduled on 15-16th Feb'2019. 83 colleges had participated on PAN India level, out of which 18 temas were shortlisted for final round. The team from our department, who was mentored by Prof. C.D.Patel, ranked third amongst the top 18 teams.
- Students of B.E.Sem (IVth) Civil, Jaydip Chauhan, Arpit Datla & Mohit Bathvar, secured 2nd Runner up prize and Trophy under the mentorship of Prof.Poonam I. Modi, in the "Sparkling Star" contest organized by Ultratech Pvt. Ltd on 12th March'19.
- Charmy Joshi student of M.E Sem (IVth) Geo-tech, was conferred the "IACMAG Mastrs Research Award" in International IACMAG Symposium organized by IIT-GN on 5-7th March'19.
- Axit Shah and Prashant Sudani of M.E. Sem IV (Geo-tech Engg) ranked second in Quiz competition in "21st ISTE National Student Convention -2019" held at L.D.College of Engg.
- Bhuvnesh Pandey, Harsh Thakkar, Axit Shah and Karan Shah students of M.E. Sem II & IV (Geo-



technical Engg) secured 3rd & 4th Rank respectively in “CONQUIZ 2019” competition held at CEPT University on 19.3.19.

Automobile Engineering Department

- Team GT Motorsports has secured overall 1st position and championship in Formula Bharat-2019



- 30 Students and Faculties of Automobile Department have visited SPERI, V.V.Nagar. on 16/02/2019
- The Department had organized expert talk on “Importance of Automation and Computer aided techniques in Design and Manufacturing” and “How to become Entrepreneur” for Students.



- Team working on project of “Retrofitment of Electric Kit for Hybrid scooter” has successfully participated in First round of Gujarat Industrial Hackathon Organized at IIT-RAM, Ahmedabad.
- Team LDCE Motorsports has secured overall 4th Position in Mega ATV Championship held at GOA in March 2019.
- “Retrofitment of Electric Kit for Hybrid scooter” project of the Department students is granted with Rs. 45000 under SSIP-LDCE Ahmedabad.

Bio Medical Department

- Five various group of students from the department participated in Smart India Hackathon 2019 and showcased biomedical projects.

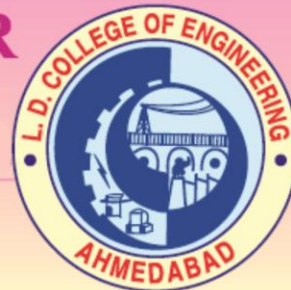


- A seminar and talk on ‘Biomedical Instrumentation’ was given by Mr. Harish Krishna, H R Manager, Harvey Biomedical, Bangluru and held at the department, on 19th March 2019



- A Seminar on ‘Recent trends in Biomedical Research’ was conducted by Mr. Gunjan Trivedi, (founder of Wellness Space) at the Department, on 23rd January 2019.

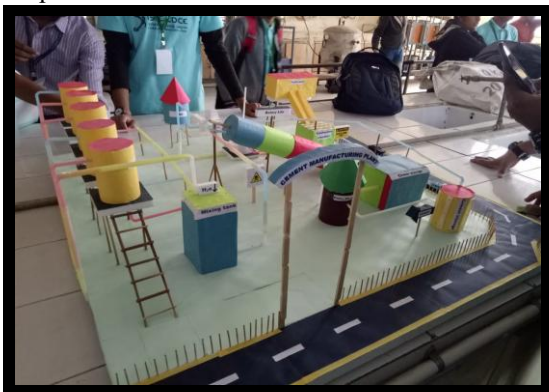
Chemical Engineering



- Following students of the department has won prizes in 21st ISTE National Annual Students' Convention held at LDCE, Ahmedabad on 29-30th Jan, 2019. : In Paper Presentation "PAPYRUS" 1st price secured by Pancholi Noopur and 2nd price secured by Ravindra G. Vasava student of final year M.E. In Quiz Competition (Brain-O-chem) 1st price secured by Manish Chauhan and 2nd price Harshad Vadher and Meru Raghvani. 1st price secured by Hemang Patel and Riya Patel of B.E. 6th semester in problem solving event (Chemo-Solvent).



- 2nd position secured by Drashti Lheri, Dhruvi Patel and Vandana Mahawana in model making competition "Mod- Innova"



- Mohit Agarwal of final year has been selected for Gujarat Industries Hackathon 2019 - Grand finale.

Computer Engineering Department

- Roshan Raval and Team, Founder of Startup "Exposit" has made the remarkable place in Coffee Table Booklet in Vibrant Gujarat Global Summit 2019.



- Student Start up named "Exposit" by Roshan Raval and Team got selected in World's Top 100 startups for 'Startup Turkey' going to held on 26th – 29th April, 2019 at Istanbul, Turkey. The project is mentored by Prof. Hetal A. Joshiyara.
- Roshan Raval Won "Early Stage start up award at Gujarat Technological University, Sankul day on 14th Feb 2019.



- Adseeapp is a startup started by Chenny Mittal and is registered under the firm Marketwise Innovations LLP. The firm was incorporated in January 2018. Chenny Mittal along with 3 students from Nirma University are the founders of the firm.
- Cheny Mittal, student of 8th semester and her team received "Student Startup Award - Early Stage-GTU Sankul Awards" from former chairman of Infosys, Mr Kris Gopalkrishnan, CTO of Wipro, Director of Cadila and Vice Chancellor of GTU on 14th Feb 2019.



- Ruchi Patel and Tank Dev, student of department were appreciated by Collector and District Election officer, Ahmedabad on 25/01/2019 for working as Election Campus Brand Ambassador for making awareness regarding voting and registration of voters.
- Malav Shah and Team won the first prize in all India level national event Smart India Hackathon 2019 held on 2nd and 3rd March 2019 at Guwahati.
- Barot Ritu, Ghandhi Dhyani, Mehta Kaivan and Panchal Deept, students of 6th semester have created project named "Suzy", a virtual assistant. They participated state level Competition hosted by LD, Innovathon in which they secured 1st ranked and won prize amount of 10,000 RS.



- Malav Shah (Team Leader), Shrey Savsani, Jainam Shah, Aditya Purohit, Cheny Mittal, Nisarg parikh, students of department and the Team "Dot Slash", won the first prize in all India level national event Smart India Hackathon -2019 held on 2nd and 3rd March ,2019 at Guwahati. Problem statement was "Automation of Statistic information compilation"

of Min. Of Statistics and PI. Team Dot Slash in their solution made web-app as well as hybrid mobile application, whose ultimate aim was to reduce the tiresomeness of simultaneously searching of the required report on different government sites.



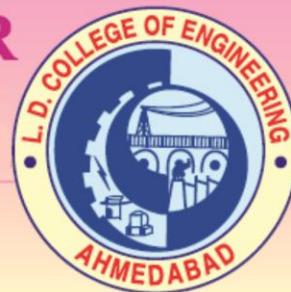
- Yash Akrwala, 4th semester student is a member of Drama group "Dhanak". Group Dhanak has won third prize in competition organized at H. K. College of Commerce. Group is also performing drama for awareness in association with AMC.



Civil Engineering Department

- Technical Visit: Students of Semester 6 of B.E (Civil) has visited Railway Engineering workshop-Sabarmati on 2nd March 2019. Total 110 students along with 4 staff members Prof.T.H.Vyas, Prof.M.M.Shaikh and Prof J.S.Kamble and Prof.H.H.Jariwala were present.





- Technical Visit: Students of Semester 6 of B.E (Civil) has visited Wastewater Treatment Plant on 2nd February 2019. Total 110 students along with 4 staff members Prof.J.P.Modi, Prof.C.N.Bhavsar, Prof. P.K.Lalvani and Prof.H.H.Jariwala were present.



- Technical Visit: Tacheometry survey project was conducted on hilly areas near Ambaji for Semester 4 of B.E (Civil) students during 28-30 March 2019. Total 159 students along with 6 staff members Prof.(Dr.) R.B.Khasiya, Prof.N.N.Borad, Prof.(Dr.) V.M.Patel, Prof.D.K.Oza, Prof.P.K.Lalvani and Prof.S.S.Dixit were present.



- Under the chairmanship of Prof (Dr) V. M. Patel and guidance of Prof. M. M. Shaikh & Prof. S. S. Dixit, Students of Semester 6th of B.E (Civil) have developed various working Models in the Fluid Mechanics Laboratory.

Electrical Engineering Department

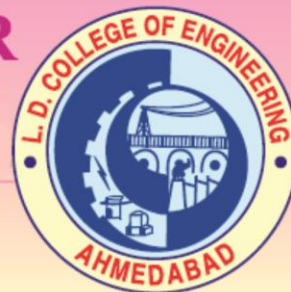
- Sneha of Electrical Department is overall student coordinator of "ARAMBH" cell underSSIP activity.
- Vignesh Sengunthar of B E 6th semester has been selected as a team leader for the Elixir foundation's project with Tata Communication Lt. in Chennai from 11-16 March, 2019.



- Jay Patel had won 3rd prize in "RUN FOR GREEN ENVIRONMENT (7 KM.)" under GTU Central Techfest-2019 and first rank in MOTIF marathon.
- Vignesh Sengunthar of the department, has been selected as Student convener of All India Council of Robotics Automation (AICRA)
- Sweta Rathwa of the department represented LDCE at National level KHO KHO Tournament.
- Team of Jeet Dhoriyani, Renison Mecwan and Tirth Mehta won SBI Numero UNO quiz competition by 5th rank and Indian Meteorological Society Ahmedabad Chapter quiz 2019 by 2nd rank.
- 32 final year students of the department qualified GATE 2019 exam.
- Vignesh, Muskan, Parmar Shivani Students of the department have played key role in successful organization of most awaited technical event "LAKSHYA-2019"

Electronics and Communication Department

- Zala Rohan, Chauhan Vishal and Sukhwani Ronak secured 1st Rank in "Intervista Finto", at 21st ISTE Students' National Convention 2019 held on 29th and 30th January 2019 at L.D.C.E, Ahmedabad.
- Tank Yesha of 6th Semester secured 2nd Rank in "Intervista Finto", at 21st ISTE Students' National Convention 2019 held on 29th and 30th January 2019 at L.D.C.E, Ahmedabad.
- Tyagi Shivam, Rahul Surana, and Nayan Vadodariya of 6th Semester stood 2nd in "U Know Arduino", at 21st ISTE Students' National Convention 2019 held on 29th and 30th January 2019 at L.D.C.E, Ahmedabad.
- Hardik Vaniya, Tyagi Shivam and Thakkar Miral of 6th Semester secured 2nd position in "Circuitrix", at 21st ISTE Students' National



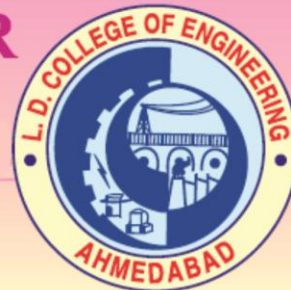
Convention 2019 held on 29th and 30th January 2019 at L.D.C.E, Ahmedabad.

- Yash Tank of 4th semester secured 3rd position in Innovation and Circuitrix organized under 21st ISTE Students' National Convention 2019 held on 29th and 30th January 2019 at L.D.C.E, Ahmedabad.
- Naishal Vora of 4th Semester Secured 2nd rank in Quiz Competition organized under Aarohan St. Xavier's College on 13th January 2019.
- Jinal Patel of 6th Semester participated in HPVC (Human Powered Vehicle Challenge) represented team mechanical beast as a rider. The challenge was held at VIT, Vellore from 1st to 3rd February 2019.
- Aishwarya Acharya of 6th semester has represented GTU in singing competition finals at Chandigarh University from 1st to 6th February 2019.
- Miral Thakkar of 6th Semester stood 1st in an "Electrical Bazar" held under the state level tech-fest "TECHNOSPARK 2019" at Ahmedabad Institute of technology on 5th -6th February 2019.
- Rahul Surana, Shivam Tyagi and Miral Thakkar of 6th Semester have secured 1st Position in an event called Solar Blaze and 2nd Position in Clash of Breadboards held under the state level tech-fest "TECHNOSPARK 2019" at Ahmedabad Institute of technology on 5th -6th February 2019.
- Nishith Vasava of 4th semester stood 1st in the general quiz organized under Lakshay 2019 on 14th February 2019.
- Naishal Vora of 4th Semester got 3rd rank in Circuit Mania event organized under State level techfest called Lakshay 2019 at L.D.C.E organized during 14th -16th February 2019.
- Naishal Vora of 4th Semester stood first in Electro-Hunt event organized in State level techfest at Indus University organized on 26th -27th February 2019.
- Miral Thakkar has secured 1st Position in an event called Electro-vision held under the state level tech-fest at Indus University on 26th -27th February 2019.
- Miral Thakkar, Nayan Vadodariya and Hardik Vaniya have secured 1st Position in an event called Electro Thunder Quiz held under XENESIS 2019 at L.D.R.P Institute of technology and research on 28th February 2019.

- Nayan Vadodariya, Miral Thakkar, Shivam Tyagi and Rahul Surana have secured 2nd Position in an event called Mystery Room held under XENESIS 2019 at L.D.R.P Institute of technology and research on 28th February 2019.
- Rashi Desai of 8th Semester had participated in poster presentation at IA Conference 2019 her poster got accepted in Poster Presentation for the Information Architecture Conference'19 (among the top 10 UX Conferences in the world.), conducted on 13th March 2019 at Orlando (Florida USA).
- Jinal Patel of 6th semester participated as a team member in Folk dance at west Zone Youthfest held at Savitribai Phule University, Pune.
- Monika Makwana, Gohil Khooshbu, Bhadarka Vipul, Vadodariya Hemat, and Jay Tank of 8th semester participated in the first round of Gujarat Industrial Hackathon 2019 held at BVM Vidhyanagar on 22nd and 23rd February 2019 under the guidance of Prof. K.H. Gavit. They have also been selected in the final round to be held at PDPU on 6th and 7th April 2019.



- Fenil Ladwani and Ali Hussain Vohra of 6th semester participated in the first round of Gujarat Industrial Hackathon 2019 held at IIT RAM and Marwadi University from 19th February to 23rd February under the guidance of Prof. S.K Rana. They addressed two problems. They have also been selected in the final round to be held at PDPU on 6th and 7th April 2019.
- Hasmukh Nakum, Solanki Jigar, Parmar Ashwin, Parmar Kaushik, Digant Patel and Rohit Agnihotri, of 6th semester participated in the first round of Gujarat Industrial Hackathon 2019 held at IIT RAM on 19th and 20th February 2019 under the guidance of Dr. A.B Nandurbarkar. They have also been selected in the final round to be held at PDPU on 6th and 7th April 2019.
- Pritish Prajapati of 8th semester attended Idea accelerator programme at I-creat, Devdholera from 28th January to 22nd February 2019.



- Team Paralino (Ronak Asodiya, Ahesh Mali and Rishabh Nayak of 8th Semester) demonstrated their project titled "Automated Solar Panel Cleaning System" at 21st ISTE Students' National Convention 2019 held on 29th and 30th January 2019 at L.D.C.E, Ahmedabad.
- Team Paralino (Ronak Asodiya, Ahesh Mali, Pritish Prajapati and Rishabh Nayak of 8th Semester) with their project titled "Automated Solar Panel Cleaning System" participated in Pragati National Technical and Business Plan competition held at St. Francis Institute of Technology, Borivali, Mumbai.

Instrumentation & Control Engineering

- B.E. Semester VIII student Deep Adhvaryu got all India 9th Rank in Gate 2019.
- B. E. Semester VIII Student Nayak Darshan has participated in NSS Republic Day Parade Camp 2019 at Delhi For Representing Ahmedabad Region Gujarat. In this Camp he is also selected for Cultural Presentation at Rashtrapati Bhavan or PM House and also became Representative on behalf of Gujarat to Meet Honorable Prime Minister at PMO House.
- B. E. Semester VIII Mayur Trivedi has selected for PRE-Republic day Parade Camp-2018 and for State Republic day Parade Camp, 2019, Palanpur.
- Nayak Darshan has participated in NSS Republic Day Parade Camp 2019 at Delhi

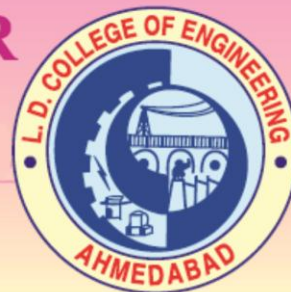
Information Technology Department

- Rishi Padiyar, Khandekha Vijay and Prajapati Mayank, final year student's project "SMART DOORBELL" is selected in SSIP and they got 1,1500/- financial support under SSIP.
- Nitesh Solanki, along with his team member Joyti Sali and Heena Rajput selected in Grand Finale of Smart India Hackathon 2018 at Yeshwantrao Chavan College of Engineering, Wanadongri, Hingna Road, Nagpur.
- Nitesh Solanki along with his team member Gunjan Mistry and Jay Joshi selected for Gujarat Industrial Hackathon 2019 in Regional round organised at Marwadi University, Rajkot.
- Daminee Patel, Monika Kanani and Nitesh Solanki in a team shortlisted and Selected Out of 650+ applications, for herSTART at Department of Botany, Gujarat University, Ahmedabad on 1 and 2 March 2019.

- Tirth Patel, final year student and his team of LDCE Volleyball had participated in an Intercollege championship held at Nirma University on 24 Feb 2019. They proudly bagged the Runners up position.



- Karmishth Tandel, 6th semester student secured 2nd Rank in Photography (DSLR) during "Sahitya Sarita 2019" held on 22,23,24 February for showcasing excellent talent in literature and art.
- Panchasara Bhautik, 4th semester student secured 1st Rank in Coding Contest event organized by Information Technology Department at "21st ISTE National Students' Convention-2019" held on 29,30 January.
- Kavil Parikh, 4th semester student secured 1st Rank in Design Problem event organized by Information Technology Department at "21st ISTE National Students' Convention-2019" held on 29,30 January.
- Meha Shah, 2nd semester ME student secured 1st Rank in Elocution Competition organized by Information Technology Department at "21st ISTE National Students' Convention-2019" held on 29,30 January.
- Zeel A. Dhaduk, 6th semester student secured 1st position in Mind sport competition organized by computer department at 21st ISTE National Students' convention - 2019 on 30th January 2019 11:00 to 12:00.
- Aman Shaikh and Imtiyaz Shaikh, 4th semester student secured 2nd rank in Be a Scientist for a Day event organized by Information Technology Department at "21st ISTE National Students' Convention-2019" held on 29,30 January.
- Karmishth Tandel and Mayank Timbal, 6th semester student secured 2nd Rank in Design Problem organized by Information Technology



Department at "21st ISTE National Students' Convention-2019" held on 29,30 January.

- Pargi Vaishali T, 8th semester student working as a volunteer of NSS unit of our college. She represented LDCE and GTU in one of national level the camp which is called as National integration Camp(NIC) which is organized by Sardar Patel University, V.V.nagar, Anand.
- Rakesh Sunilkumar Patel, Kaushik Dhirajbhai Sathvara, Manan Bharatkumar Suthar, Ajay Himmatbhai Kothiya, Mitul Lalit Sanghvi, Dhruti Manojbhai Desai, Darshan Vipul Harsora, a team of 7 member of 8th semester have developed two web-applications named "ACPC E-Mitra" and "ACPC DocMS" for ACPC, Gujarat under Directorate of Technical Education, Government of Gujarat, Gandhinagar.
- Avatar Jaykumar, final year student presented a paper on "Linear regression assisted prediction based load balancer for cloud computing", at International Conference on Data Science and Analytics, IEEE Punecon2018.



- Nitesh Solanki final year student worked as the Core Member in Sahitya Sarita, the Literature Festival organized by the enthusiastic and literati students of L.D.College of Engineering, Ahmedabad during 22-24 February 2019.

Mechanical Engineering Department

- A team of 11 students had participated in international event Human Powered vehicle challenge 2019(ASME) during 1st- 3rd Feb at Vellore Institute of Technology (VIT) under the guidance of Prof. D U Panchal.



- Sumanth Mudaliar, BE Final year student received Aarohan award for social innovation. He won Silver level award with prize money of 15 Lakh for his product Handicare by Infosys Foundation.



- Sumanth Mudaliar was also a keynote Speaker at International Conference on Creativity and Innovation at IIM Ahmedabad.

Rubber Technology

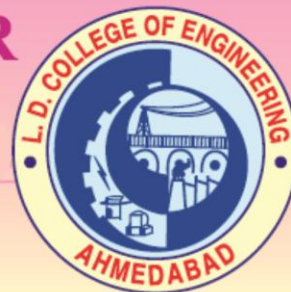
- Pratiksha Awasthi got selected in Indian Navy for the post of ATC with highest package 15 lacks Per annum.
- Nipasha Desai, Tejas Patel & Nayan Jalondhra actively participated in regional round to solve challenges provided in Gujarat Industrial Hackathon 2019 and got selected for final round.
- Students of B.E. Sem VI, Sem VIII and M.E. Sem II and Sem IV Rubber Technology attended Rubber Expo-2019 during 17th Jan to 19th Jan, 2019 in Mumbai.

Textile Technology

- Two students of B.E. Sem VIII qualified the GATE examination which was conducted in February, 2019.

6. COLLEGE ACTIVITIES

L D College of Engineering undertakes various activities towards the betterment of the society. The various units of LDCE works in the field of social reforms.



- NSS unit has done excellent performance in National Republic Day Parade in the past years. Consecutively for the third year NSS volunteer from LDCE was selected for the same. This year NSS Volunteer Darshan Nayak represented Gujarat in **National Republic Day Parade Camp** at Rajpath, Delhi on 26th January 2019.
- NSS Volunteer Mayur Trivedi (4th year IC Engineering) participated & represented GTU in **State Republic Day Camp 2019** at Palanpur
- NCC has done excellent performance in National Republic Day Parade in the past years. This year NCC Cadet CPL Prajwal Chauhan represented Gujarat in National Republic Day Parade Camp at Rajpath, Delhi on 26th January 2019.
- NCC Cadet CPL Prajwal Chauhan (3rd Year Bio-Medical Engineering) nominated to represent India at **Youth Exchange Programme at International level (Vietnam)**
- Major C S Sanghvi has coordinated Guard of Honour Ceremony at 8th Convocation of GTU at Mahatma Mandir on 31st January 2019. Guard of Honour was given by NCC cadets of 01 Guj Compo Tech Coy, NCC, Ahmedabad to HE Governor of Gujarat Dr O P Kohli. Shri Bhupendrasinh Chudasama, Education Minister, Smt Anju Sharma, Principal Secretary, Education & Dr Navin Sheth, Vice Chancellor, GTU has witnessed the event. U/O Sagar Patani worked as a student coordinator. Dr Major C S Sanghvi has also coordinated Procession during the convocation.

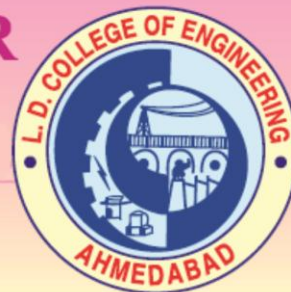


"UMMEED 2019 - LET'S FLY HAPPINESS"

- The event "UMMEED – strives to instil a ray of hope" is the way/channel to provide a handful of joy to the underprivileged children. To avoid road

accidents, save lives of underprivileged kids and see happiness on their faces, NSS LDCE took the initiative named "UMMEED - Let's Fly Happiness". The event is organized two days before the Kite Flying festival, that is on 12th January every year on the occasion of birthday of Shri Swami Vivekananda. The First Edition of Ummeed – Let's Fly Happiness was organized on 12th January, 2015.

- UMMEED'19 was special because apart from inviting underprivileged children from different NGOs, this time NSS LDCE had also invited specially-abled kids from Apang Manav Mandal. Therefore, in total 720 kids were invited to the UMMEED'19 from NGOs like Smile Foundation, Bachpan NGO, Kadam NGO, Visamo Charitable Trust, St. Xavier Social Service Society, Slumshine NGO, MODE NGO, Shwas NGO and Apang Manav Mandal.
- The sponsors played a vital role for the noble cause. Adani Foundation was the Title Sponsor of the event and Coats India was the main sponsor of the event, other sponsors who contributed to the event at their best were Lions Club, Iskcon, Mantic Lab, Om Education and Rahil Enterprise. The Chief Guest of the event was the honourable Governor of Lions Club, Saurabh Bhrambhath. The provisions to the children included breakfast, lunch, kites, thread and stationery.
- Around 60 volunteers of NSS LDCE enthusiastically celebrated kite festival with the kids from 8 am to 4 pm.
- The children wore the Swachhagraha t-shirts and caps provided by Adani Foundation, at the beginning of the event. Swachhagraha is Swachhata ka Satyagraha and which was understood by the children during the inauguration ceremony. Also, the children took an oath of being responsible regarding the cleanliness around him/her lead by Ms. Bijal of the company. Thus with the help of Adani Foundation the children sensed the social responsibility they hold towards the society.
- The children wrote their views and shared their ideas on Swachhagraha wall provided by the company. The kite and firikies were provided by Coats India Limited of Ahmedabad. Also, when the kite-flying was completed, the children themselves cleaned the area and gathered all withered kites and



thread as promised by them during the oath. The lunch was provided by the Lions Club of Ahmedabad.

- After kite flying, there was a talent-exchange session where volunteers of NSS LDCE and the children performed a flashmob on the Swachhagraha Anthem along with other performances by the children.



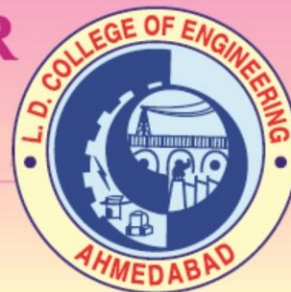
- At the end of event all the children were felicitated by Ummeed'19 participation certificate and stationary kits which were also provided by Adani Foundation. In addition to that, as a tradition of Uttarayan festival the children were gifted kites, chikkies and laddoos as a take away.
- The success of the event was published in the newspapers namely, Divya Bhaskar and Sandesh. The event was appreciated throughout Ahmedabad. Above all, the "Ummeed-19-Let's Fly Happiness!" was completed successfully as it spread happiness throughout Ahmedabad.
- NSS Unit of LDCE bagged I-SCALE Award from GTU Innovation Council for the Program and an extra ordinary initiative for under-privileged children "Ummeed – Lets Fly Happiness"



Republic Day Celebration 2019

- The 70th Republic Day was celebrated with great zeal and enthusiasm at L D College of Engineering this year. The celebration began with a Rally at 9:00 am. The motive of the rally was "Ek Bharat Shrestha Bharat" for the youth. The rally was led by Dr G P Vadodaria, Principal with NCC cadets, NSS volunteers, staff/faculty members, security guards & students of the college. After the rally, the august gathering of NSS volunteers, NCC cadets, faculty members, staff members, LAA members and other invitees offered salute to the 'Tiranga' which was unfurled by Chief Guest Col. Sudhir Govil, COMMANDING OFFICER 1 Guj Compo Tech Coy NCC, Ahmedabad & Dr G P Vadodaria, Principal. Just after that the atmosphere was resounded by our national anthem. It was followed by the parade by NCC Cadets & NSS Volunteers. Principal Dr G P Vadodaria delivered an inspiring & message conveying speech. He has insisted to emphasize academics along with co-curricular activities which are required for the overall development of students. Col Sudhir Govil has delivered a very inspiring key note address. The program was anchored by the students. Cultural performances by the students added feather in the hat & made the program very interesting.
- On the auspicious occasion of pride and glory, students and faculty / staff members were appreciated for their achievements in academics and co-curricular activities who have contributed in the year 2018





Webinar on Disaster Management & Mitigation

- Webinar on “Orientation to the Principles of Disaster Risk Management-Understanding Risks” under Disaster Management & Mitigation was organized on 1st February 2019 by Gujarat Institute of Disaster Management for the NSS Volunteers & Civil Engineering students. More than 100 students have participated in the program.

Blood Donation Camps at Raj Bhavan

- Blood donation camp was organized at Raj Bhavan by HE Governor of Gujarat Shri O P Kohliji on 2nd February 2019 in association with Indian Red Cross. Overwhelming response was received & 1800 bottles of blood was collected. NSS Volunteers & NCC Cadets have played important role in making this camp successful. About 42 volunteers donated blood at Raj Bhavan. Certificate is given to every donor as a token of appreciation. Hemankshi Iswar & Major Dr C S Sanghvi had coordinated the event.

“Vegan-Awareness Campaign”

- Awareness campaign regarding animal brutality and how to prevent it in collaboration with Vegan Outreach on 4th February 2019. Students, NSS Volunteers and NCC Cadets have participated.

Seminar on “Startup and Innovation”

- A seminar talk by start-up executives was organized for the students on 5th February 2019. Aspiring students raised queries and step by step procedures to begin with were explained in the session. NSS Volunteers Shilvi Singh & Ujjavalsinh Bihola had coordinated the event.

Blood Donation Camp

- Blood Donation Camp was organized on 6th & 7th February, 2019. More than 400 students have donated blood. Camp was organized in association with Indian Red Cross Society & Prathama Blood Bank. The event was coordinated by NSS & NCC, LDCE. Raxit Parmar & Vaishwa Variya worked as student coordinators.



Rang Amaizi - Unique Wall Painting Competition –

26th February 2019

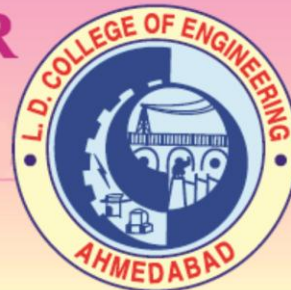
- A unique wall painting competition was organized by NSS LDCE. 350 teams & more than 900 students have participated in the competition from different schools and colleges. Keval Bhardiya, Krupesh Prajapati & Viral Taral has coordinated the event. Prof C S Sanghvi has worked as faculty Coordinator. This is the seventh occasion in which any engineering college has organized such event. Many beautiful wall paintings emerged on different themes.



- The launching of NSS LDCE Activity calendar was done by honourable dignitaries.

The themes for the competition were:

- Swachhata
- Digital India
- Indian Culture
- Ahmedabad- Heritage City
- Khelo India
- Indian armed forces
- Bapu @ 150



- Doodling
- Youth and Change
- My Vote , My Right
- Freestyle



Sahitya Sarita – A Literature Festival

- Sahitya Sarita is a literature festival organized by L. D. College of Engineering, Ahmedabad every year. Institute has organized third edition Sahitya Sarita – A Literature Festival – 22nd, 23rd & 24th February 2019. This literature festival created a unique benchmark in the world of literature in Gujarat. This is a nonprofit event by student volunteer of the college with a motive to promote literature and to embrace, cherish it amongst students to provide an opportunity to showcase their talents. The event have various competitions for engineering students and in addition with that the audience witnessed any Interactive sessions, Shayarnama, A film trailer launch and a music concert by the celebrated faces of Gujarati literature. It provides a platform to the students and faculty to showcase their talent in poetry, music, etc. Eminent personalities from the area are also invited to grace the occasion and also encourage young talent. It is open to general public. “Sahitya Sarita” was one of the most successful events organized, which has also bagged awards from GTU innovation council. This event is organized every year & conducted for last three years. Viral Joshi & Dhruv Gandhi had coordinated the event. There were total 23 Speakers, 1200 participants & more than 8500 spectators under the theme “Machine Se Mehfil tak”

Shodhyatra

- 11 NSS volunteers participated in Shodhyatra organized by Dr Anil Gupta, Professor, IIM in Rajasthan from 9th to 15th February 2019. They travelled about 20kms every day for all days in order to look for innovations in village. Along with interactions with founders, innovators and scientists, they explored the region. They are inspired for upcoming projects.



Alfaz-Open Mic

- This open mic event was conducted on 20th February 2019 just after mid sem exams during the annual “Days Celebration” festival of college. This event is organized for the students & faculty members to show case their talent.



Orientation Programme for Recruitment of New

NSS Volunteers

- Orientation Programme for Enrolment of New NSS volunteers was carried out on 16th February 2019. Deep Panchal & Shilvi Singh had coordinated the event.

ISTE Students National Convention 2019

- L D College of Engineering, Ahmedabad organized the biggest 21st ISTE Student National Convention on “Empowering India through Innovations” during 29th and 30th January, 2019 in collaboration with Indian Society of Technical Education. This convention is the biggest of its kind in India with more than 9000 students’ participation in all across 70+ events. For the first time in Gujarat biggest DRONE SHOW was organized where 35 drone

pilots across India took part. Prizes worth Rs. 3,00,000/- were distributed among the winners of various events.

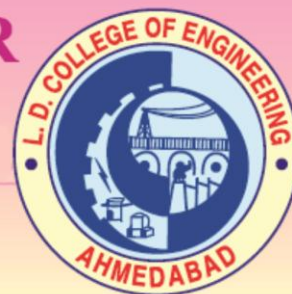
- The convention was inaugurated by Shri Vijaybhai Rupani, Chief Minister, Gujarat on 29:01:2019 at 09:30 am. He articulated that, “the eco-system of research always improves the career prospects of the students in higher education. Our research must be scalable on international platform. And the convention like this indeed will open the plethora of prospects for young minds”. The convention was also bejeweled by Respected Avantika Singh, Commissioner, CTE along with Shri Navinbhai Sheth, Vice Chancellor, Gujarat Technological University, Ahmedabad. Shri Navinbhai highlighted the acceleration of start-ups and innovations in the state by various technical institutions under the aegis of GTU. As the convention was backed by ISTE, its office bearers Shri Pratapsinh Desai – President – ISTE – New Delhi and Prof Kalpesh Bhavsar – Chairman – ISTE – Gujarat Section and other office bearers of New Delhi office graced the occasion. Shri Desai also voiced that, “we have to be ready for 21st Century jobs, and their roles are unpredictable, jobs of today are obsolete tomorrow. Hence we have to be updated with strong inculcation of values and character building”.



- The event was coordinated successfully by Dr. Sachin Parikh, Professor and Head, Chemical Department and his team, comprising faculty members from different departments and student volunteers.

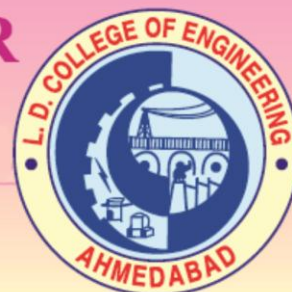
7. Consultancy/Testing :

- Electrical Department has done Testing worth Rs. 61000/- during JAN FEB MARCH 2019.



8. WORKSHOPS/ SEMINARS/ STTP/ CONFERENCES ETC. PARTICIPATED BY FACULTIES

| Sr. No. | Titles | Faculties | Department | Venue | Duration |
|---------|---|---|------------------------|---|---|
| 1 | Advancement in Chemical Reaction Engineering and Catalysis | Prof. S. M. Dutta Prof. R. P. Bhatt | Chemical | LDCE, Ahmedabad | 11 th March 2019 to 15 th March, 2019 |
| 2 | Student Innovation and Start-ups | Prof. Hetal Joshiara | Computer | EDII campus | 25 th Feb 2019 to 1 st March 2019 |
| 3 | Android Programming | Prof. Hetal Pandya Prof. Bhavesh Oza Prof. Tushar Champeneria | Computer | Computer Engineering Department, L.D. College of Engineering. | 11 th March 2019 to 15 th March 2019 |
| 4 | Ethical Hacking & Forensic Investigation | Prof. Bakul B. Panchal | Information Technology | GTU | 18 th to 23 rd February 2019 |
| 5 | Android Programming | Dr. Purvi N. Ramanuj Prof. Shital A. Solanki | Information Technology | Computer Department, LDCE | 11 th to 15 th March 2019. |
| 6 | Research Methodology- Tools & Techniques | Prof. Kamini Parmar | Applied Mechanics | Mech Dept LDCE | 11 Feb 19 to 16 Feb. 19 |
| 7 | Analysis and Design of Structures Using STAAD. Pro Software | Prof. Dipa Raval, Prof. Payal Andharia | | Applied Mechanics Department | 11th -15th March'2019 |
| 8 | Chintan Shibir of National Service Scheme by GTU | Dr C S Sanghvi | | Kevadiya Colony | 7-8 March 2019 |
| 9 | Research Methodology: Tools and Techniques | Prof. S J Patel | Mechanical Engineering | LDCE | 11 Feb 19 to 16 Feb. 19 |
| 10 | Computational Methods using MATLAB for mechanical engineers | Prof. M D Patel | | LDCE | 11 th to 15 th March 2019 |
| 11 | Computational Methods using | Prof. S R Pandya | | LDCE | 11 th to 15 th March |



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|----|---|---|------------------------------|--|---|
| | MATLAB for mechanical engineers | | | | 2019 |
| 12 | Computational Methods using MATLAB for mechanical engineers | Prof. J M Patel | | LDCE | 11 th to 15 th March 2019 |
| 13 | Advances in Automobile engineering (ME-12) | Prof. V D Sonara | | NITTTR, Bhopal | 25 th to 29 th March 2019 |
| | STEM Seminar & Round Table Conference | Prof. R.N.Desai | Rubber Technology Department | Science city, Ahmedabad. | 17 th January, 2019 |
| | FDP on "Heat Exchanger Process Intensification" | Prof. R.N.Desai and Prof. S.J.Padhiyar | | LDCE, Ahmedabad. | 31 st Dec, 2018 to 5 th Jan, 2019 |
| | Futuristic Technology Exhibition | Prof.R.Y.Modan | | Science city, Ahmedabad. | 17 th January, 2019 |
| | Indian Rubber Expo | Prof.A.D.Bhatt and Prof.S.J.Padhiyar | | Mumbai | 17 th Jan to 19 th Jan, 2019 |
| | Research Methodology | Prof. Kinjal Sheth, Dr. Arun Nandurbarkar | EC Department | Mechanical Department, LDCE, Ahmedabad | 11th-15th February 2019 |
| | STTP on Embedded System | Prof. S.L Bharvad | | NITTTR Bhopal. | 21/01/2019 to 25/01/2019 |
| | STTP on Arduino with Scilab | Prof. Dhaval Patel | | NITTTR Bhopal | 04/02/2019 to 08/02/2019 |

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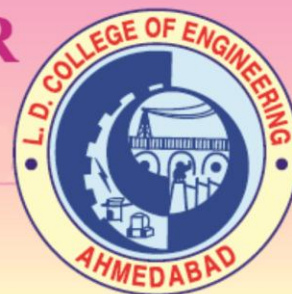
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M.E. Dissertation

Electronics and Communication Department

| Sr. No. | Title of thesis | Name of student | Guide |
|---------|--|--------------------|------------------------|
| 1. | Design network model to prevent IoT device hack | Baranda Viralbaben | Prof. B. S. Sedani |
| 2. | Design and develop scalable infrastructure of IoT gateway | Chaudhari Harshida | Prof. A B Nandurbarkar |
| 3. | Design and development of Solar cell optimization using image processing | Chaudhari Priyanka | Prof. P.J Brahmbhatt |
| 4. | Performance evaluation of Filter bank multicarrier(FBMC) over OFDM in 5G wireless communication system | Gadhvi Rajesh | Prof. B. S. Sedani |
| 5. | Analysis of Ionospheric scintillation using IRNSS data | Gamit Miteshbhai | Prof. K.R. Sheth |
| 6. | Hyper spectral remote sensing design, development and data analysis | Gaurav Jha | Prof. Usha Neelakantan |
| 7. | Synthetic Aperture Radar(SAR) Sensor Performance Monitoring and Data Quality Evaluation | Greeshma Santosh | Prof. A B Nandurbarkar |
| 8. | Real time traffic sign detector | Hathila Truptiben | Prof. K. G. Vaghela |
| 9. | development of automated measurement set-up for performance evaluation of Opto-electronic system | Isarani Bhumika | Prof. Usha Neelakantan |
| 10. | Performance evaluation of Gaussian distribution nonlinear distortion | Kurmi Siddharth | Prof. Usha Neelakantan |
| 11. | Channel estimation for advanced wireless communication system using polar code | Mayank Kalsariya | Dr. N.A. Kotak |
| 12. | Implementation of data encryption and decryption using AES algorithm | Nakum Jalpa | Prof. P.P. Prajapati |
| 13. | RTL Implementation of AHB and self check verification in Verilog | Solanki Pinal | Prof. S.B. Prajapati |
| 14. | Performance analysis of F-OFDM and Massive MIMO in advanced wireless communication system | Tank Hardik | Prof. B. S. Sedani |

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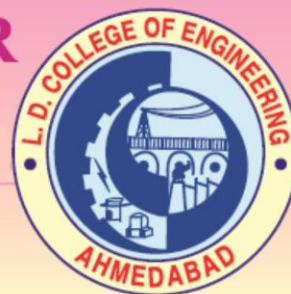
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| 15. | IoT based application | Varsha Singh | Prof. A B Nandurbarkar |
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