



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

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Principal

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Prof. Bharati G Basantani

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1.FROM THE DESK OF THE PRINCIPAL

Principal, Dr. R.K.Gajjar

Dear students and faculty members,



The year began on a note of hope and fulfillment with the celebration of Kite festival by the Umeed fest. We celebrated the 71st Republic day with all the grandeur and responsibility making "Say no to single use plastic" as its theme. Further, in the academics and research various departments organized expert lectures, published research papers and many faculty members were invited as experts. The progress of the SSIP cell is rewarding in itself, and it also provides the right amount of encouragement to do better. These three months were eventful in all senses as we witnessed many fests and equally overwhelming responses. Sahitya Sarita 2020 brought in a welcome surge of literature and culture. The techno-cultural festival of Lakshya 2020 was celebrated. Our students did well in hackathons and other technical as well non-technical events organised at various places. By the mid of March we were face to face with the Covid19 pandemic. This has come as a sudden challenge for all of us. Faculty members as well as students might face academic challenges that will need novel thought and perspective. I am sure we all will come through this together and with a lot of new lessons learnt. I hope we work with more energy and channelised efforts round the year to create a better year for us as well as for the students.

Dr. R.K.Gajjar

31st March 2020



2.PAPERS PRESENTED/PUBLISHED

Applied Mechanics Department

- Dr. M.V. Shah & Arpit Patel published a paper entitled "Strength and Deformation Characteristics of Jointed Block Rock Matrix Using Triaxial System" at IACMAG Symposium 2019 Volume 2, Published by Springer during Feb 2020 as "Lecture Notes in Civil Engineering" pp.665-678, DOI. 10.1007/978-981-15-0890-5_55, Hardcover ISBN 978-981-15-0889-9, Series ISSN 2366-2557.
- Dr. M.V. Shah, Charmy Joshi & Prof. Salini Singh published a paper entitled "Experimental Study on Retaining Walls with Narrow Cohesionless Backfill Using Arching Theory" at GeoCongress 2020: Engineering, Monitoring and Management in Geotechnical Infrastructure (USA) supported and published by American Society of Civil Engineers as 'Geotechnical Special Publication during Feb 2020, pp. 560-568, <https://doi.org/10.1061/9780784482797.054>, ISBN (PDF): 780784482797.
- Dr. M.V. Shah & Prashant Sudani published a paper entitled "Strength and Deformation Characteristics of Laterite Rock with Different Rock Matrix's Using Triaxial System" at Latest Advancements in Underground Structures and Geological Engg-GeoMEast 2019 published by Springer in "Sustainable Civil Infrastructures" during Jan 2020, pp. 85-102, <https://doi.org/10.1007/978-3-030-34178-7>, ISSN 2366-3405, ISBN: 978-3-030-34177-0.
- Dr. M.V. Shah, Prof. A. R. Gandhi & Sameer Thaiyam published a paper entitled "Study on Non-Linear Displacement Characteristics of Recycled C & D Waste for RE Wall using Composite Reinforcements" in Proceedings of Int. Conference on Geo-environment & Sustainability 2020 at IIT Delhi during 17th-21st Feb 2020, organized by IIT Delhi with the support of Ministry of Environment, Forest and Climate Change (MoEF&CC). pp. 251-258.
- Dr. M.V. Shah & Pooja Pandya published a paper entitled "A Review of Structural Stability of Tunnel Influenced By Isotropic and Non-Isotropic Stresses " in UGC-CARE journal 'Studies in Indian Place Names', Vol-40-Issue-50-March -2020, pp. 2569-2574, ISSN: 2394-3114

Civil Engineering Department

- Prof R.N.Shukla & Kavisha Shah published paper on "Review on Various Methods Used for Mode Choice Modelling of Shopping Trips in Urban Areas" in Compliance Engineering Journal, UGC (UGC CARE) APPROVED Group II journal; ISSN NO: 0898-3577

Scientific Journal Impact Factor – 6.1 in Volume 11, Issue 1, 2020 January-2020 Pg:129-138

- Prof U P Nigam & Prof. S.H.Kazi published paper on "Construction, Planning And Management for The Sustainable Development of Green Buildings With Climate Change Perspectives" at International Conference on "Climate Change 2020: Adaptation and Mitigation practices with Local and Global Level innovations" (ICCC-2020) FEB. 2020
- Prof. N.J.Dalal, Prof. U P Nigam & Prof.S.S. Dixit presented paper on "Strategic planning of water resources management using geo-spatial techniques" at Indacon International Conference in February 2020
- Prof R.N.Shukla, Kavisha Shah, Mohit Chauhan & Rajesh Suthar presented paper on "Analysis of Trip Attraction at Shopping Mall" at National Conference on "Start-up Ventures Technology Development and Future Strategies" at Dr. S. & S. S. Ghandhy Government Engineering College, Surat on 15th February 2020
- Prof. P.K. Shah, Prof. Utkarsh Nigam & Prof. S.S. Dixit presented paper on "Impact of Coastal Processes and Hydrodynamics along Coastal Region: A Literature Review" at Indacon International Conference on Feb. 2020
- Prof. N.J.Dalal, Prof. Utkarsh Nigam & Prof.S.S. Dixit presented paper on "Identification and Extraction of Wetland Features Using RS & GIS" at Indacon International Conference in February 2020
- Prof. P.K.Shah, Prof. Utkarsh Nigam & Prof. S.S. DIXIT presented paper on "Planning Of Water Supply System For Sector-27, Gandhinagar District, Gujarat" at Indacon International Conference in February 2020
- Daltej Singh Gill & Prof R N Shukla presented paper on "Techniques implemented for pothole repairing and challenges to life of maintained pavement" at National Conference on "Start-up Ventures Technology Development and Future Strategies" at Dr. S. & S. S. Ghandhy Government Engineering College, Surat on 15th February 2020
- Prof. C.N. Bhavsar, Prof. J.P.Modi, Prof. U.P.Nigam, Prof. S.H.Kazi & Prof. P.K.Lalwani presented paper on "Ground Water Quality Analysis And Research: A Case Study Of Vatva GIDC Area" at Indacon International Conference in February 2020

Chemical Engineering Department

- Prof. S. M. Dutta published a research paper on "Performance of low pressure nano filtration membrane in forward osmosis using magnesium chloride as draw solute" in Journal of Water Process Engineering, 33(2020), 101092, Feb 2020 Elsevier Publication.



- Prof. T. S. Rajaraman, Dr. Sachin P. Parikh, Dr. Vimal G. Gandhi published a paper on “Black TiO₂: A review of its properties and conflicting trends” in Chemical Engineering Journal 389(2020) 123918, Feb 2020 Elsevier Publication.
- Prof. T. S. Rajaraman presented a Paper titled "Novel Black TiO₂ based photocatalyst for degradation of organic and microbial pollutants in wastewater" presented in International Conference at NIT Durgapur, West Bengal during 13-15th January, 2020 in conference named “Water, Energy and Environmental Sustainability, 2020”.

Electrical Engineering Department

- Prof. M. R. Vasavada and students Jay Prajapati & Vishwa Patel presented a paper titled “Development of Intelligent Automatic Electronic MCB and ELCB Using Fault Diagnosis Technique” at 2020 International Conference on Power Electronics & IoT Applications in Renewable Energy and its Control (PARC 2020)

Information Technology Department

- “Trust Computation using Belief Model in Mobile AdHoc Network Avoiding Ballot Stuffing and Bad Mouthing” written by Dr. Hiteshi Diwanji for International Journal of Innovative Technology and Exploring Engineering ISSN: 2278-3075 (Online), Volume-9 Issue-4 in Feb,2020.
- “Analysis of Visual Question Answering Algorithms with Attention model” written by Param Ahir and co-authored by Dr. Hiteshi Diwanji for International Conference on Data Science and Intelligent Applications organized by Gandhinagar Institute of Technology (GIT) on 24th January 2020.
- “Different Ray-Casting Algorithm Implementations For Volume Rendering” written by Ms Palak Chattvani and co-authored by Dr. Purvi Ramanuj for International Conference On Recent Advances In Computer Science And Technology on 21st February 2020.
- “Survey on Prediction of Cyber Intrusion with Time Series Analysis” written by Meha Shah and Prof. Jahanvi Patel for International Conference on Data Science and Intelligent Applications organized by Gandhinagar Institute of Technology (GIT) on 24th January 2020.
- “Big Data mining on Rainfall Data” written by Vyas Keshani and co-authored by Prof. Swati Patel for International Conference on Data Science and Intelligent Applications organized by Gandhinagar Institute of Technology (GIT) on 24th Jan 2020.
- “Survey of Feature-based Bot Detection Methodologies” written by Patel Nirali and co-authored by Prof. Mital Panchal for International Conference on Data Science and Intelligent Applications organized by Gandhinagar Institute of Technology (GIT) on 24th Jan 2020.

Textile Technology Department

- Prof. D. V. Bihola and Prof. (Dr.) S. S. Bhattacharya presented a paper on “Unconventional Natural Fibres for Acoustic Applications” at International Conference “Innovative Approaches for the Development of Sustainable Textile Products and Processes” organized by West Bengal State Centre, The Institution of Engineers (India), ICTX 2020 during 9th-10th February, 2020 at Kolkata.
- Prof. H.J. Jaiswal & Prof. A. A. Mandot presented a paper on "Study of Braided Composites" at a National level conference Texcon 2020 organized by SVVV Indore during 5th-6th March, 2020 at Indore.

3. DEPARTMENTAL ACTIVITIES

Applied Mechanics Department

- Applied Mechanics Department successfully conducted a one day session of Expert Talks on 20th Feb 2020 in Vishweswaray Hall. The one day session of Expert lectures was attended by all the students of B.E.Sem VIII (RRS elective) as well as the PG students (Sem II & Sem IV) of (Structure + Geotechnical Engineering). The experts from Gujarat Forensic Science University were pitched in to deliver the talk on topics pertaining to “Importance of Forensic Structural Engineering and Structural Evaluation using NDT” along with interesting Case Studies. Prof. Poonam I. Modi from the Department had coordinated the entire session.



- Shri. R. J. Shah (Sr. Visiting Faculty, GFSU) delivered talk on “Forensic Structural Engineering & application, Causes of Failure due to detailing errors”. Dr. Merool D. Vakil (Asst. Prof (Civil-Structures), IRD, GFSU) delivered her expert talk on “Structural Evaluation Using Non-Destructive Testing techniques”. Case Study on Repair and Strengthening of Subhash Bridge was jointly presented by Dr. Merool D. Vakil and PG student of GFSU Er. Abhi Shah.

Automobile Engineering Department

- The department conducted Stakeholder’s meeting on 01/02/2020 to finalize vision and mission statement of the department.



- Under SAE India Gujarat Western Division, BOG Meeting was called at the institute on 1st February 2020 to discuss various activities carried out under SAE and future planning of Division.
- “Fundamental Vehicle Dynamics and Practical know-how of Vehicle Engineering with Introductory Coverage of Electric and Hybrid Vehicle” two-day workshop was arranged by the department in association with SAEINDIA during 14th-15th February 2020. 68 students from all over India have attended this event.



- “One-day electric vehicle awareness programme” was arranged by department in Association with SAE INDIA. 291 students from Gujarat have participated in this event.



Bio Medical Engineering Department

- Prof. Yogita M. Parikh and Prof. Harshal B. Patel arranged an industrial visit for 3rd year students at Medinnova Pvt. Ltd., Savli, Vadodara on 4th January 2020.



- Prof. Yogita M. Parikh and Prof. Harshal B. Patel arranged a Hospital visit for 3rd year students at Shalby Hospital, Naroda on 27th January 2020



- Prof. Utkarsh Pancholi arranged a visit of 3rd year students for practical exposure at cell culture laboratory of Indian Institute of Public Health, Gandhinagar on 14th February, 2020



Civil Engineering Department

- A visit pertaining to Railway Bridge Tunnel Engineering subject was conducted at “National Academy of Indian Railways, Vadodara” on 1st January 2020 for 150 students of 6th Semester by Prof.T.H.Vyas, Prof. R.N.Shukla, and Prof. S.H.Kazi.



- A visit pertaining to Water & Waste Water Engineering subject was conducted at “Waste Water Treatment Plant Rajiv Nagar, Vadodara” on 1st January 2020 for 150 students of 6th Semester by Prof. J.P.Modi, Prof.M.M.Shaikh, Prof. P.K.Lalwani & Prof.J.S.Kamble.



- A visit for showing latest skills pertaining to Advanced Construction & Technology subject was conducted at “L & T Construction Skill Training Institute Ahmedabad” dated 12/2/2020, 14/2/2020 & 17/2/2020 for 140 students of 6th Semester by Prof.S.H.Kazi, Prof.N.J.Dalal, Prof.R.N.Shukla, Prof. T.H.Vyas & Prof.U.P.Nigam.



- A visit for showing Diaphragm Wall Construction pertaining to Advanced Construction & Technology subject was conducted at “Vastrapur, Ahmedabad” on 6th February 2020 for 140 students of 6th Semester by Prof.N.J. Dalal, Prof. T.H.Vyas, Prof.S.C.Rathod, Prof. S.H.Kazi & Prof. U.P.Nigam.



- A visit pertaining to Harbour And Airport Engineering subject was conducted at “Kandla, Mundra & Mandvi Port” during 24th to 26th February 2020 for 92 students of 8th Semester by Prof.S.C.Rathod, Prof.P.K.Lalwani, Prof. T.H.Vyas & Prof.Z.J.Chovatiya.



- SSIP Cell, LDCE planned an internal evaluation of all SSIP Projects of our institute. Aim of the internal evaluation was to provide proper guidance and motivation to grantee students. It was helpful to guide students to achieve measurable outcome for their SSIP projects. Internal Evaluation of 10 SSIP projects were done at Civil Engineering department on March 6, 2020 with Panel of expert Dr. R B Khasiya, Prof R J Jani & Prof. C. G. Bhagchandani. The entire evaluation of projects was coordinated by Dr V M Patel, Prof N J Dalal & Prof A M Mirza at department level.



Chemical Engineering Department

- Dr. Ramesh Subramanian, Director and Associate Professor, of Laurentian University, Canada delivered a lecture on “Polyacrylamide Based Cationic Graft Copolymer Flocculants” to 3rd and 4th year students on 24th December 2019. He gave a brief idea related to cationic graft copolymer flocculants and also shared the ideas to students for their Project areas. He discussed about the environment of the colleges in Laurentian University and the education system at Laurentian

University. These encouraged students to be more active and have small projects in every semester that they feel to do in any discipline.



- Mr. Sam Mathew, LDCE Alumni 2006, working at Larsen and Turbo as Project engineer gave an inspiring lecture to 3rd year students on 1st January 2020. He shared his successful life journey of being student to Project engineer that will help our students to set a goal and how to work hard to achieve that goal of being a successful person. He shared about the subject and gave ideas how to choose their academic projects. He also mentioned how the education system has changed and due to which students will get good opportunities to explore them.



- Dr. Kinjal Shah, Associate Professor at NanjingTech University, China delivered a Lecture on “Implementation of Green Chemistry for sustainable Development” to 2nd and 3rd year students on 21st January 2020. He explained in detail about using green chemistry for sustainable development. He shared one of his research in which he used green chemistry to save plant and water bodies in China. He discussed the present scenario of chemical industries where maximum sustainable process is required and what role students are supposed to play as Chemical Engineer.



- Dr. Maulik Bakshi from Apollo Hospital delivered a lecture on Thalassemia awareness which was arranged for 2nd and 3rd year students on 24th January 2020. Dr. Bakshi is from Rotary club which conducts such awareness programs all over Gujarat. He explained the importance of Thalassemia and why the thalassemia test is necessary. He also encouraged students to get involved in Thalassemia awareness at their localities which will provide knowledge to uneducated people.



- An expert talk was arranged for 6th semester students on “Concept of Group Discussion and Personal Interview” by Mr. Mayank Trivedi on 6th February 2020. He is a part of the Career guidance GATE forum. It was a two way conversation with students. He discussed about important points to be considered during GD. He also explained about how to present your thoughts in group discussion and one can make one’s own impression in the GD. He further discussed about the PI; the factors to focus on and how to be confident during PI. By this lecture our students will able to perform well in GD as well as can crack any interview in their future.



- Prof. B.C. Meikap from IIT Kharagpur had delivered an expert talk about “Air and Dust Pollution Control” on 7th February 2020 to 1st and 3rd year students. He discussed the sources and causes of Air pollution, how industries play their role in polluting environment and how industries use different devices to collect the dust and prevent air pollution. He explained about air diffusers and discussed various control measures taken by government. After graduation, students, being part of any organization as a process developer or process engineer, can implement their ideas to protect environment by designing or modifying the design or identifying the problem or comparing the situation with experienced shared by the expert.



- An expert lecture series by Dr. M. N. Vyas was arranged for the students of 6th semester from 11th to 25th February, 2020 on weekly basis. The topics were related to the subject Pollution control, Safety and Health management, Fire & Explosion and HAZOP. In this lecture series most of the syllabus of the course was covered. Dr. M. N. Vyas shared his industrial experiences as the subject has more industrial fundamentals which helped students to understand the pollution control and safety measures that are used in industries. In this lecture students learned how to prevent accidents that occur on site and near the industrial areas due to industries and further explained how to prevent those accidents.



- An industrial visit was organized for the students of 6th semester to Macro Polymers Pvt. Ltd, Bavla, Sanand road. 38 students of BE 6th semester participated in the

visit. Macro Polymers Pvt LTD manufactures various types of resins. The students got a first-hand experience of a chemical industry and were updated with the latest trends and developments in the chemical engineering field.



Computer Engineering Department

- Department has organized a seminar on “Career Counseling on Cyber Security”. Mr. Pravin Bansal and Miss Yamini were speakers . There were two different sessions for 4th Semester and 6th Semester students. For 4th Semester :“Masters in Cyber Security & Forensics” on 21.01.2020, around 100 students got benefited. The same was conducted on 23.01.2020 for 6th semester students, around 80 students took part in same.



- The Department and Innovator club has organized “innovichar” to motivate student to look at the things differently. Program was organized at Arybhath Hall on 7th March 2020. More than 100 participants registered from our as well as other colleges. Prominent speakers where Dr. Geetika Saluja, Sanjay Raval, R J Vashishth and Madhish Parikh. Program was successfully coordinated by Innovator Club.



- Inter Department SSIP Project Evaluation was successfully completed by experts Dr. S.M.Shah, Head, Computer Engineering Department and Dr. A.I.Thakkar, Head, Textile Engineering Department on 6th March 2020.



- Institute level Hackathon was organized by LDCE for selection of teams for SIH 2020. About 138 students participated in the event. Software Hackathon was managed by Prof Hetal Joshiyara, Prof Shital Solanki and Prof. Partik at Annexe building on 18th January 2020 in which 5 teams were selected and 2 teams are in waiting list among which 3 teams are from Information Technology Department.

Environmental Engineering Department

- Kotarpur Water treatment plant visit was arranged for ME Sem -2 Students on 29th February 2020 and for BE Sem-6 on 18th February 2020.
- Industrial visit at Kanti Fashion Pvt .Ltd., Narol was arranged for ME Sem -2 Students on 7th March 2020.
- Expert lecture on Air Pollution control system was arranged for ME Students on 12th and 26th February 2020. The expert was Mr. Jagdish Chauhan.

- Expert lecture on Auxiliary Equipments of Air Pollution was arranged for B.E. Sem -8 on 20th January 2020. The expert was Mr. Derral Merchant.

Information Technology Department

- Expert talk by LDCE alumni 94 batch Gaurav Thakar on "Enhancing software development and testing skills" was conducted for 6th semester students on 29th February 2020 at Annexe Building in which 63 students participated with the coordination of Prof. Jaimin Chavda.
- Industrial Visit of BISAG was organized by IT department. About 50 students of 4th Semester accompanied by Prof. Pradip Patel and Prof. Shital Solanki took part in visit on 2nd March 2020 at Bhaskaracharya Institute for Space Applications and Geoinformatics.
- NAMASTE TRUMP PROGRAM organized by govt. of India. Approx 50 students had visited along with Prof. Nirjari Desai on 24th February 2020 at Motera Stadium, Chandkheda.



- Institute level Hackathon organized by LDCE for selection of teams for SIH 2020. About 138 students participated in event. Software Hackathon was managed by Prof Shital Solanki, Prof Hetal Joshiyara and Prof. Partik at Annexe building on 18th January 2020 in which 5 teams were selected and 2 teams are in waiting list among which 3 teams are from the Department.
- Awareness session for the field of cyber security and career in the field was conducted by Prof. Vidisha

Thakkar for 6th semester students at Annexe Building on 31st January 2020 where 55 students took active part.

- An expert lecture by founder of EmpowerEd to discuss the opportunities for the students in their company as interns was conducted by Prof. Mital K Panchal for 6th and 8th semester students at IT Department room no 103 on 21st January 2020 where approximately 45 students were present.

Mechanical Engineering Department

- Industrial visit at Indo-German Tool Room, Vatva GIDC had been organized on 10-11 February 2020 for 4th semester students. Students have visited designing section, Mechatronics lab, CNC section, surface grinding section, marketing section, Laser lab, QC lab etc. Prof. A G Momin, Prof D K Patel, Prof K A Patel and Prof S B Shah have coordinated the visit.



- LDCE - ISHRAE students Chapter had arranged an industrial visit to M/s. Havmor Ice Cream Ltd., at GIDC Naroda Manufacturing Plant, Ahmedabad for students on 15th February 2020. More than 100 students with 5 faculties had attended this visit. Mr. Vijaypal (Havmor), Prof. Hardik Shukla (Faculty Coordinator from LDCE), & Dr J M Patel, Prof R O Palival, Prof S A Saraswat and Mr. Rajendra Mevada (Secretariat) from ISHRAE Ahmedabad Chapter assisted to organize & conduct the visit.



- An expert lecture was arranged on 6th February 2020 at the department by Mr. Apurva Shah, Assistant Vice President, Johnson Controls - Hitachi Air conditioning India Ltd., Kadi. The topic was "Industrial Engineering and Lean Manufacturing in Air conditioning Industry". The lecture was attended by around 120 students.



- The final year pass out student's work on "Design and Development of Wheel Chair for Disable Person for Staircase Movement" guided by Prof D R Shah is handed over for use in society by the department project team.



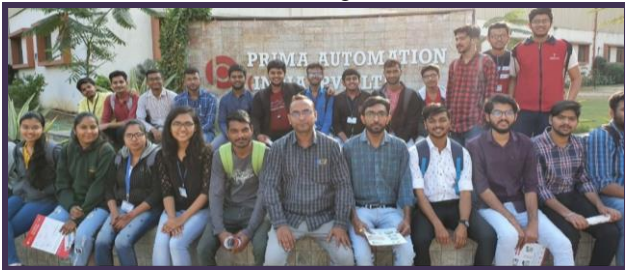
- Prof Hardik Shukla, Prof Ragesh Kapadia, Prof R O Paliwal and Prof S A Saraswat have attended the CONFLUENCE 2020, conference on Indoor Air quality at Pandit Deendayal auditorium on 17th January 2020 along with about 30 students from LDCE. Students have also been given a certificate for field survey on indoor air quality at different places.

Instrumentation & Control Engineering

- An expert talk was organized on "PCOS: RAISING CONCERN FOR INFERTILITY AND METABOLISM SYNDROME" by Prof. Gaurang B. Shah, Professor & Head, Pharm. D section L. M. College of Pharmacy, Ahmedabad on 6th Feb. 2020 around 70 students and 15 faculty members participated from IC and other departments. The event was coordinated by Prof. M.C.Patel.



- An Industrial visit was organized at Prima Automation, Santej Ahmedabad for 3rd year students. Around 50 students participated. The visit was coordinated by Prof. L.S. Patel and Prof. D.V. Raninga.



- Chart making competition was organized on 18th February, 2020 under the ISA student section, LDCE. 33 Students from 4th and 6th semester had participated. Students were given basic training of Microsoft publisher along with 30 different topics from various subjects of IC engg. Selected charts were framed and kept in laboratories. The event was coordinated by Prof. Ankit Shah and Prof. Vandana Patel.



- An Industrial visit was arranged for the Final Year students to Febrros machinery and Goldmine Multitrade Pvt. Ltd., Sanand on 29th February 2020. Prof Kintu Jain and Prof. Hetal Shah accompanied the students for the visit.



Plastic Technology

- The department participated at “Plastivision 2020” exhibition held at Mumbai from 16th to 20th January 2020. The department was allotted a complementary stall by AIPMA and information regarding Plastic Technology Course running at L. D. College of Engineering was given to the visitors during that exhibition.
- A pedagogy meeting was arranged in the department with Mr. Nitin Pandya from Prasad group of Industries on 3rd February 2020. Discussion regarding “Auxiliary equipment for Plastic Processing Machines” was done for the purpose of designing new detail syllabus.
- An expert lecture was arranged for 4th, 6th & 8th semester in the department on 28th February 2020 by Mr. Nitin Pandya on “Silo Feeding System in Processing Machineries”.

Rubber Technology

- An interactive session was organized for B.E. Sem VIII, students on “Challenges and Opportunities of Overseas education in field of Rubber Technology”, delivered by Ms. Foram Dave, L.D.Alumni & Ph.D.scholar at Ireland, on 8th January 2020.
- An expert Lecture series was organized for B.E. Sem IV, students on “Art and science of rubber compounding” by Mr. Atul Shah, MD of Pioneer Rubber Industry, during February, 2020.

- All faculties and students of Rubber Technology department have attended one day Seminar on “Basics of Intellectual Property Rights (IPR)” held at Rubber Technology department on 24th January 2020.
- An Industrial visit at, Polygold Precure Systems Pvt Ltd., Rancherda, was arranged for students of BE Sem VIII, on 20th February 2020.



- An Industrial visit at Universal Masterbatch LLP, Aslali, was arranged for students of BE Sem VI, on 26th February 2020.



- An Industrial visit at Eagle Foam rubber, Odhav, was arranged for students of BE Sem IV on 6th March, 2020.
- The placement was organized on 4th January 2020 at the department. Two students from B.E. sem VIII and Three students from M.E. IV were recruited at Ami Polymer, a leading company in pharmaceutical rubber products.
- An interactive session was organized on “Significance and Scope of Foreign Education” by US Resident, MD of Disha Consultancy, Ahmadabad for UG & PG students on 6th march 2020.
- The placement interview was organized on 13th March, 2020 and nine students from B.E. VIII got selected and placed in Rubber King Tyre Pvt. Ltd.
- Two students of B.E. sem VIII got recruited by Boron Industries, Sanand in February 2020.

4. FACULTY ACTIVITIES

Applied Mechanics Department

- Major Dr C S Sanghvi had delivered a lecture on “Design Philosophy and Earthquake Engineering” at SAL Institute of Technology & Engineering Research during two days national seminar on “Disasters and their sustainable solutions” sponsored by GUJCOST on January 30 & 31, 2020.
- Major Dr C S Sanghvi had delivered a lecture on “Effective Implementation of NSS program at institute level” to motivate NSS volunteers at Apollo Pharmacy College on February 6, 2020.
- GTU has awarded Pedagogical Innovation Awards (PIA) to Major (Dr) C S Sanghvi for his outstanding contribution in academics, NSS & NCC



- Dr. Manish V. Shah had delivered a lecture on “An insight into the handy tips on publishing the Paper in high end Technical Journals”. This lecture was a part of the pedagogical series and was arranged on 20th March 2020. The lecture was attended by all the faculties of the department and P.G students.
- Prof. C. D. Patel was cordially invited by the Tapi Diploma Engineering College to deliver an expert talk on “NBA Accreditation Work”. The expert talk was delivered on 18th January 2020 to all faculties of the Civil Engineering Department of the college.

Automobile Engineering Department

- Prof. R J Jani, Prof. V R Patel and Prof. M A Shaikh have delivered expert lectures in “Recent trends in automobile” STTP held during 24/02/2020 to 28/02/2020 at NITTR Ext. Ahmedabad.

Civil Engineering Department

- Dr. P. J. Gundaliya worked as a Reviewer in leading Journal Publication - TRB for ADB10.
- Dr. P.J. Gundaliya, gave expert lecture on "Basics of Soft Computing Techniques" at One day FDP on "Soft Computing Techniques" on 15.02.2020 at GTU, Chandkheda, Ahmedabad
- Dr. P. J. Gundaliya was invited as an Expert in Panel Discussion for an event named “Use of Instrumentation and Big Data management for the Road Sector” organized by R&B (CE, World Bank), GoG., GIFT International Centre, GIFT city, Gandhinagar on 17th

January 2020 (Around 60 participants of Academia, Industry, Govn. Sector from across the country were part of the discussion)

- An expert lecture delivered for faculties & students on topic 'Basics of IPR' was given by Prof R.N.Shukla at the Chemical Engineering Department, L.D.C.E., Ahmedabad (60 participants)
- Paper on "Techniques Implemented for Pothole Repairing and Challenges to Life of Maintained Pavement" has secured 1st position at National Conference on "Start-up Ventures Technology Development and Future Strategies", at Dr. S. & S. S. Ghandhy Government Engineering College, Surat on 15th February 2020 in session of Civil Engineering. Authors: Daltej Singh Gill (PG Civil-Transportation Engg Sem-4 Student) Rena N. Shukla (Associate Professor, CED,LDCE,Ahmedabad)



Chemical Engineering Department

- Dr. Sachin P.Parikh delivered an expert lecture at G. H. Patel College of Engineering and Technology, Vallabh Vidhyanagar on "Latest trends in Chemical Reaction Engineering" on 30th January 2020.

Computer Engineering Department

- Prof. Hetal A. Joshiyara had participated in "Sahitya Sarita -2020" organized by L.D. College of Engineering and recited her poems.



- Prof. Prof. R. Jaiswal, Prof. Hetal Joshiara, Prof Hetal Pandya , Prof Amita Shah , Prof. H. K. Gevariya, Prof. Bhavesh Oza , Prof. Kalpesh Patel, Prof. Tushar Champaneriya, Prof. Vimal Vaghela, Prof. Maitrik Shah and Prof. Zishan. Noorani faculties of department served as a Jury in "Smart Gujarat for New India Hackathon - 2020" in February 2020.

- **NAMASTE TRUMP PROGRAM** was organized by govt. of India, at Motera Stadium, Chandkheda. Students of the Department along with Prof. Amita Shah, Prof. Hetal Gevariya, Prof. Kalpesh Patel, Prof. Vimal Vaghela, Prof. Maitrik Shah, Prof. Zishan Noorani, Prof. Pragnesh Patel attended the program on 24th February 2020.



Electrical Engineering Department

- Prof. H N Raval has delivered an expert lecture on "Wind Power generation and its future scope in Gujarat" at LDRP., Gandhinagar on 27th January 2020.
- Prof. M. R. Vasavada has delivered expert lectures at skill development program on "Energy Efficiency of Electrical Home Appliances and Green energy" at CERC, Ahmedabad under CERC - ENVIS Resource Partner of MoEF & CC New Delhi, on 27th & 30th January 2020.

Information Technology Department

- Prof. Hiteshi Diwanji delivered an expert talk on online platform in which Topic was "Apps that steal data" in which the discussion was about colluding and collaborating app, how Google identifies the malicious App, features that can be used to classify an App as malicious app. "The Hacker's Meet-up" India (Webinar) special edition Supported by GTU Innovation Council, Mozilla Gujarat, Open Source Weekends, Center for Cyber and Information Security and Security Shots on 29th March 2020
- Dr. Mehul C. Parikh delivered an expert talk on "Operating System" for B.E. Semester IV CE/IT students and "Image Processing and its Applications" for B.E. Semester VI students of Government Engineering College, Modasa on 11th February 2020.
- Dr. Purvi Ramanuj delivered an expert lecture on "Advance JAVA - Swing API" to the diploma final year students of Computer Engineering Department, Govt. Polytechnic, Gandhinagar on 10th January, 2020.



- Prof. Swati Patel delivered an expert lecture on "Database Management System – Normalization" to the diploma 2nd year students of Computer Engineering Department, Govt. Polytechnic, Gandhinagar on 10th January, 2020.



Mechanical Engineering Department

- Dr N M Bhatt filed Design Patent on Active Solar Still with Cooling Chamber. The patent has been published with Design Application number 326572-001 for the Design application in class 15-99.
- Dr N M Bhatt attended Road Show at Gawahati on 20th-21st January 2020 under the aegis Study in Gujarat campaign launched by Government of Gujarat. The Road Show was graced by Smt. Vibhavariben Dave, Hon'ble Minister of State, Women and Child Welfare, Education (Primary and Higher Education) and Pilgrimage, Govt. of Gujarat.
- Gujarat Knowledge Society sanctioned Rs 200000/- (Rs Two Lakh) for development of prototypes of the innovation on Development of Novel Solar Desalination system for coastal region under Student Open Innovation Challenge. The project is mentored by Dr N M Bhatt.
- Prof. (Dr) Ragesh Kapadia and Hardik Shukla have attended ACRESERVE training program at AMA on 1st February 2020. Prof Hardik Shukla was also invited to felicitate the experts during the event.
- Prof Hardik Shukla has delivered an expert lecture on "Duct design and Air distribution systems" at GMT BHAVNAGAR on 5th February, 2020 and for ISHRAE Junior Engineers Program at AMA.



- Prof. Hiren M Gajera, Assistant Professor, Mechanical Engineering has completed the final viva of Ph. D. on title "Experimental investigation and analysis of direct metal laser sintering machine for CL50WS material" on date 25th November 2019 at C. U. Shah University, Wadhavan. He has worked under the guidance of Dr. Komal G Dave, Associate Prof., Mechanical Engineering, LDCE and Dr. Veera Jani from C. U. Shah University. He has also made good number of publications from his research work in Scopes index journals. Dr. Hiren M Gajera has been awarded Ph.D. degree on 31st January 2020 during convocation ceremony at C U Shah University.
- Prof Dhruv Panchal's presentation on "Root Cause Analysis of Drop in Fuel Economy for CVT Driven

Two-Wheeler Using Shainin® Component Search TM Approach” has been awarded third prize in poster presentation session during Chem - Conflux20 held between Feb 14-16, 2020 at Motilal Nehru National Institute of Technology (MNNIT) Allahabad, Prayagraj (U P).

- Dr. S S Pathan has been appointed as a Coordinator (Single Point of Contact – SPOC) of SWAYAM – NPTEL Local Chapter. His application was successfully approved by SWAYAM – NPTEL headquarter situated at I.I.T., Madras, Chennai, T.N. in the month of January 2020. Our Institute has been allotted Local Chapter ID - 3536. Because of consistent efforts put up by Dr. Pathan and wide publicity given to the students through the cooperation of all head of the departments, very first time our institute could reach out to larger mass of students and faculty members & more than 600 NPTEL MOOCs registered through our local chapter, with 300+ students.
- Dr. S S Pathan was given a responsibility to work as a library officer of the LDCE - Central Library since December 2019, His team has worked diligently to procure printer, books and added new titles by collecting the data and seeking the choice of more than 290 faculty members. Further, during the COVID-19 pandemic situation, our institute library could get permission from the head office to subscribe magazines and eJournals. These subscriptions of magazines & eJournals would definitely be helpful not only to the UG and PG students but also to the aspiring faculty members pursuing their PhD and thus the research and development activities will be accelerated at a greater pace.
- Dr. Komal Dave, Associate Professor at Mechanical Engineering Department has represented on behalf of Dr. R K Gajjar, Principal, L D College of Engineering, Ahmedabad at Indian Red Cross Society, Paldi, on 9th March 2020 as Guest of honour on celebration of International Women's Day. The organizers have admired the Blood Donation Activity of L D College of Engineering by words as "Life Donating College of Engineering."



- Prof Hardik Shukla is appointed as a liaison officer for Study in Gujarat campaign organised by Education Department, Government of Gujarat. He has performed his duty during 26th to 29th of January at Lucknow and Raipur (CG) respectively. He is been part of delegation team of Gujarat Government.



- Prof Dhruv Panchal had been working in PR and Social Media committee of SiG campaign started by Education Department, GoG.
- Prof Hardik shukla has performed the duty of Nodal officer for "Smart Gujarat for new India hackathon" at BIT Vadoadara during 24th and 25th February, 2020. He has been deputed there by CTE for 36 hours constantly running event for more than 650 participating students.



Plastic Technology

- Prof Stuti Shah attended the Mega Placement fair held at GTU campus, Chandkheda on the 13th February 2020 as a departmental representative to coordinate the activities during the placement fair.
- Prof. Kintu Jain and Prof. Stuti Shah as Route Supervisor's, attended the "Namaste Trump" event held at Sardar Patel Stadium, Motera on the 24-02-2020.



Rubber Technology

- Prof. R.N. Desai has arranged pedagogy meetings with 1. Mr. Vinay Pandey, technical Head, Ami Polymers, for “Essential skills for career Development in rubber Industries” on 4th January 2020, 2. Ms. Hiral Shah, Rubber Alumni and Project head, Environmental services, USA, on “Green production and clean Environment” on 13th January 2020, 3. Mr. Satish Kakani, Managing director, Molded Rubber goods, USA, on “Awareness of Global trends in hi-tech rubber products” on 17th January 2020, 4. Mr. Nikunj Thakkar, Marketing head, Rubber Additives and Rubber Alumni, on “Global market of Rubber processing Aids” on 27th February 2020, 5. Mr. Mahesh and Mr. Jenish Dhameliya, Production managers, Mitsufucu Industries on 6th March, 2020. 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 meeting.
- Prof. S.J.Padhiyar has delivered the expert lecture series to Mr. Brajesh Gattani and Mrs. Kirti Gattani, MD of Flexishine Industries on “Thermoplastic Elastomers and Polymer Blends” and encouraged the industry-Institute interaction during Jan & February 2020.
- Prof. R.Y.Modan has attended the “Indian Skill Institute” inauguration event at Mahatma Mandir on 15th January 2020.
- Prof. G.G.Bhatt has nicely performed his duty as a faculty co-ordinator in “Smart India Hackathon-2020” held at L.D. College of Engineering on 18th January 2020.
- Prof. S.J.Padhiyar has efficiently performed his duty as a faculty coordinator along with students at Motera Stadium, inaugurated by honorable prime Minister, Shree Narendra Modi and US president, Mr. Donald Trump on 24th February 2020.
- All faculties of rubber Technology department has visited the Design Equipment Laboratory at Center Of Excellence-COE on 15th February 2020.

- Prof. A.D.Bhatt & Prof. G.G.Bhatt have performed their duties as a mentor in Smart India Hackathon-2020, at IITRAM, Ahmedabad on 24th & 25th February 2020.
- All Faculties of Rubber Technology department have put their best efforts and encouraged students for online learning through Google classroom and completed their academics through video conferencing on digital platform during Covoind-19 lockdown period, March 2020.

Textile Technology Department

- 33rd National convention of Textile Engineers and a National Seminar on “Two Decades of Nanotechnology in Textiles: Progress and Prospects” organized by Institution of Engineers (India), Gujarat State Center at Bhaikaka bhavan, Ahmedabad during 20th to 21st February, 2020 Jointly with Textile Technology Department. Prof. Ashwin Thakkar was awarded The Best Engineer award by the Institute of Engineers (India), Gujarat State Center for his outstanding contribution towards the field of Textiles. Prof. Ashwin Thakkar also chaired one Technical Session during the event.
- Prof. P.M. Mistry, Prof. H.J. Jaiswal, Prof. S.K. Parmar and Prof. S.J. Parapuram worked as Faculty coordinators of Department for the program Namaste Trump and the inaugural function of Motera stadium, Ahmedabad organized by the Government of Gujarat.

5. STUDENTS’ ACTIVITIES

Applied Mechanics Department

- Students of B.E.Sem (VIIIth) Civil, Maharshi Raval, Meshwa Shah & Niyati Shah secured 1st Runner up prize and trophy and voucher of Rs 12,000/- in the “Sparkling Star” contest organized by Ultra-tech Pvt. Ltd on 6th March ’20.
- Out of total of 34 teams who had participated, 2 teams of our dept were shortlisted for the finale round. One of these teams made it to the 1st Runner Up position. Both the teams were mentored by Prof. Poonam I. Modi. The students of the department have been amongst the List of the Winners for this Sparkling Star contest for consecutive last 3 years.



- Students of B.E. Sem VIIIth Civil (Rutvik Patel, Maharshi Raval, Krupa Parmar & Sujay Seth), secured 3rd Position and Cash Prize of Rs 20000/- in "National Award Competition for Civil/Structural Engineering Students for Best Innovative Structural Steel Design for a Steel Intensive Innovative Food Grain Godown. The competition was organized & hosted by Institute of Steel Development and Growth, Kolkotta on 14th-15th Feb 2020. Top 16 entries were selected to present their projects in front of the esteemed Jury members, out of total number of 85 entries pan India. 3 of our teams were amongst these 16 entries. All the teams were thoroughly mentored by Prof. C.D.Patel. The students of the department have been amongst the List of the Winners for this National Level Contest for consecutive last 3 years.
- The Post Graduate GEOTECH students, Harsh Thakkar, Sameer Thaiyam & Burhan Lokandwala of the department had participated in IIT Gandhinagar (iGRIP) 2020 Conclave held on 2nd-3rd March 2020. Burhan Lokandwala secured top position among PG presentations while Sameer Thaiyam was runnerup. Sameer Thaiyam also presented a technical research paper at IIT Delhi.
- In Smart Gujarat for New India Hackathon 2019-20, total 2643 teams from all over Gujarat and 205 teams from our institute have been registered, out of which 02 teams from our department under the guidance of Prof. C.D.Patel and Prof. B.R.Patel have been shortlisted for the finale round.

Automobile Engineering Department

- 37 Students of 6th semester along with 2 faculty members had visited Sardar Patel Renewable Energy Research Institute on 15/02/2020.



- 45 Students from Automobile Engineering Department along with 3 faculty members had visited Ruby Bus Pvt Ltd on 07/02/2020.



- SAEINDIA Student Convention 2020 Tire-I was arranged by the Department for different technical events on 29/01/2020.
- 37 students of 4th semester along with 2 faculty members had visited GSRTC workshop Naroda on 30/01/2020.



- Expert session on how to face interview was arranged by the department for 6th semester students on 20/01/2020, 40 students attended it. Lecture was delivered by Mr. Prashant Sugandh from Career Launcher.



- Expert session on Organization Behaviour was arranged by the department for 4th semester students on 20/01/2020, 46 students attended it. Lecture was delivered by Mr. Prashant Sugandh from Career Launcher



- Mr. Harsh Sheth is selected for internship at International Automobile center of Excellence, Gandhinagar with stipend of 10,000 Rs/month and has started his work from 28/01/2020.
- SAE club was felicitated by Principal of LDCE, Chief guest Mr. Dipesh Shah (IAS) LAA President, and Mr. Bijal Shah (IAS) Director of GEDA on Republic day 26th January 2020.
- Mr. Hardik Gohel and Mr. Ankit Rajpurohit had arranged SAE AUTOCAD workshop for students during 23/02/2020 to 14/03/2020. 30 students from Civil engineering had attended it.



Bio Medical Engineering Department

- Final year students of the department, Riddhi Yadav, Pratiksha Joshi, Rashmi Darji presented/published a paper titled 'Medical Waste Management using IOT' in 1st International conference on 'START-UP VENTURES TECHNOLOGY DEVELOPMENT AND FUTURE STRATEGIES', Surat on 15th February, 2020
- Four teams from the department were selected for final round of GIH 2019-2020 Hackathon (Smart Gujarat for New India Hackathon). The details are as below:
Team ID: SGH000307, Prof. Bhavesh H. Parmar, Student: Kadiya Vrutik Mukesh kumar and team
Team ID: SGH000065, Prof. Harshal B. Patel, Student: Manishkumar Nai and team.
Team ID: SGH000211, Prof. Utkarsh V. Pancholi, student: Nidhi Rameshbhai Kheni and team.
Team ID: SGH000193, Prof. Utkarsh V. Pancholi, student: Chahana Kalpan Panchal and team.
Team ID: SGH000062, Prof. Bhavin H. Mehta, and student: Devang Vyas and team.

Civil Engineering Department

- Semester 4 student Monit Pal, won **1st Prize in National Theater event - SKITS** organized at the *AIU NATIONAL YOUTHFEST* from 2nd to 7th February, 2020 held at AMITY UNIVERSITY, NOIDA.
- Students of Sem 8, Maharshi Raval, Meshwa Shah & Niyati Shah secured **1st Runner up prize and Trophy**, of the 34 teams participated from all over Ahmedabad in the "Sparkling Star" contest organized by Ultra-tech Pvt. Ltd on 6th March '20.



- Students of Semester-8, Maharshi Raval, Sujay Sheth, Rutvik Patel and Krupa Parmar, secured **3rd position in '19th National Competition for Civil/Structural Engineering Students for Best Innovative Structural Steel Design'** organized and hosted by *Institute of Steel Development and Growth*, Kolkata on 14-15th February, 2020. Top-16 entries were selected to present their projects in front of the esteemed jury members out of a total of more than 85 entries from all over the country.



- Out Of the 4 teams from West Zone 3 teams of Civil Engg. Department, L.D. College of Engg., Ahmedabad made it for the finale of 19th National Competition of INSDAG, and the above team of students came 3rd position nationally.
- Out of the 1519 teams 20 teams of Civil Engg. Department, LDCE were shortlisted for Regional Level SSIP Hackathon at IIT Ram, Ahmedabad. Final Results are yet to be declared.

Chemical Engineering Department

- 4th semester students participated in prosthetic hand fitting camp at Shivanand Ashram, Satellite Road Ahmedabad. On 15th March, 2020.

- Patel Jainil and Pandya Jatin, students of 6th semester attended seminar on Design Thinking on Urban Development on 11th March 2020.
- 6th semester students were taken to Microbiology Dept of Gujarat University for their Practicals in Bio chemical Subject on 11th – 13th March, 2020.
- Students of 6th and 4th semester have attended an Expert talk on “IPR, Patent and Prior Art” on 7th March, 2020.
- Female students along with Female faculties attended a SHE Summit: Celebrating International women’s Day on 8th March, 2020 at Auditorium, KCG, Ahmedabad.

Computer Engineering Department

- Final year Student Roshan Rawal(150280107097) won the “Student Startup Medal 2020” on 6th January 2020 by honourable Shri. Amit Shah at Gujarat Technological University Convocation Function.



- SSIP Project Reolo-Lead by Malav Shah, selected by Student Open Innovation Challenge program 2020, pitching session was held on 20th and 21st January 2020 at I-Hub, Ahmedabad.
- SSIP Project –Expoist, Led by Roshan Rawal and guided by Prof. Hetal Joshiyara is converted into “EXPOSIT IMMERSIVE SOLUTION PRIVATE LIMITED”, incorporated on this Third day of January Two thousand twenty under the Companies Act, 2013 (18 of 2013) and that the company is limited by shares. By GOVERNMENT OF INDIA MINISTRY OF CORPORATE AFFAIRS.’
- Final year student Naresh Prajapati received a job from GTU job fair in January- 2020



- Students of 6th & 4th semester Team Leader: Yash Akruwala(170280107002), Jay Sharma, Naishal Vora, Manvika Gupta, Dhairya Shah, Maulik patel **Problem statement: Solo IOT device to capture audio and**

video evidence won Institute level SIH -2020 in Hardware category organized on 18th January 2020, they are going to participate in SIH 2020.



- Students of 4th semester MOHD. AFZAL ANSARI along with Joshi Jeet M., Jadeja Siddharthsinh R., Tiwari Harsh B., Vaniya Lajja, Patel Parth YogeshKumar Problem Statement: Automated number plate detection won **Institute level SIH -2020** organized on 18th January 2020 in Software Category.
- Students of 6th semester **Team Name: Project NETRA** Mohit modi (180283107011), Greeshm Chodvadiya (180283107006), Darshan Vala(180283107030), Umang Zala (180283107031), Mo. Shaikh Arbaz (180283107025), Virti Vora (190283107025) **Problem Statement : ISRO Satellite Image Object & Change Detection** Guided by : Prof. Hetal A. Joshiyara won the **Institute Level SIH -2020** organized on 18th January 2020 in Software Category and eligible for **Grand Finale Smart India Hackathon- 2020.**



Electrical Engineering Department

- Prof. T.R.Patel and Prof. G.P.Rathod with the students of 8th Semester has visited 400kV Soja Substation on 13th March 2020.

Information Technology Department

- Bhumi Sharma (190283116018), Vishv Kakadiya (190283116005), Muskan Sondhi (180280116127), Jay Agrawal (160280116002), Smith Sheth (160280116095), Vishal Brahmhatt (160280116016) of 4th & 8th semester won institute level SIH 2020 arranged on 18th January and selected teams are going to participate in SIH 2020.



- Jaykumar and team from 4th semester selected for grand finale of smart India Hackathon under guidance of Prof. Shital Solanki.
- Bhardiya Keval (160280116010), Chauhan Darshil (160280116017), Sahil Chudasma (160280116018) and Krupesh Prajapati (160280116077) of 8th Semester attended NSS GTU Award Function held on 29th February, 2020 at GTU Office, Chandkheda, Ahmedabad. NSS unit of L.D. College of Engineering was awarded many awards for the year of 2017-18 & 2018-19 in this function. The above mentioned students of the department had attended this award function as part of NSS unit.



- Smith Bhatt, Parth Parmar, Dharti Chauhan and Makwana Jahanvi from 6th semester selected for grand finale of smart India Hackathon under guidance of Prof. Shital Solanki.

Instrumentation & Control Engineering

- Parth Dave has participated in NCC Republic Day Parade Camp 2020 at Delhi.



- B.E. Semester 1st Students received "The future of word" awards. It was organized by Young Indians.



- Achievements of "Shaifali Singh"- Student of BE Instrumentation & Control Engg.:
Best Cadet: She was selected amongst the top 9 Cadets in Directorate amongst the NCC strength of about the 70,000. At the end of National level competed against selected ones of each state and finished overall as a bronze medalist at All India level. The medal was finally presented by Honorable Governor of Gujarat, during the at home ceremony on 08 Feb 2020.



PM's Rally: Every state selects 52 from amongst their 111 for this parade. Out of this 52, several are called 'markers' who are top performers and act as cue givers to others. She was amongst the seven markers too. The Gujarat State team finished 2nd overall in PM's rally.



Cultural Team: A selected team of 35 Cadets perform cultural events, She was amongst this team of 35. She performed in front of RajyaRaksha Mantri Shripad Yesso Naik.

- Start-up "HYDROSEPT TECHNOLOGIES 1.0" of B.E. Semester 6th Students Jinay Shah, Suresh Thakor, Darshan Surti, Dhaval Vyas, Yash Dalmia and Jay Mistry was selected among the Top 100 start-up at Startup Turkey Competition, Istanbul, Turkey.
- BE Semester 4th Students Kirtan Bhatt, Jatush Dave, Nilay Dave, Pinakpani Saha, Parth Dave, Kashyap Bhatt were selected for Smart Gujarat for New Hackathon 2019-20 under the guidance of Ms. Nidhi Kanani.

Mechanical Engineering Department

- Jeet Vyas and Jay Vaghela from the department took part in a-QUEST 2020 organized at IEML, Greater Noida on 28th of February hosted by ISHRAE, where they secured second position in finale. They started their journey from college level competition followed by quarter finals at Mumbai. Securing second position at quarter finals they moved to semi-finals held at Chandigarh securing first position.



- Neel Maradia and Kishan Patel from Mechanical stream also took part in a-QUEST 2020 organized at IEML, Greater Noida on 28th of February hosted by ISHRAE, where they secured fourth position in finale. They started their journey from college level competition followed by quarter finals at Mumbai. They qualified for semi-finals as well as finale through Wild Card Entry. They were encouraged with the cash prize of Rs. 30,000 and a trophy for their achievements. Also they all have been given assurance for placement at HITACHI.



- During their whole journey they have been constantly encouraged and supported by ISHRAE Ahmedabad Chapter (IAC) under leadership of Mr. Shailendra Vyas. They prepared for competition under guidance of HOD Dr. N. M. Bhatt and Prof. Hardik Shukla.
- Ubaid Memon, final year student and group's project titled, "SolarX" under the guidance of Prof. H. R. Patel has received a total funding of 15,000 INR during 5th Phase of scrutiny under Student Startup and Innovation Policy (SSIP), Government of Gujarat towards development of prototype/proof of concept (PoC).

- Dipesh Prajapati, final year student and group's project titled, "Clutch Assist System (CAS)" under the guidance of Prof. D. U. Panchal has received a total funding of 1,95,000 INR during 5th Phase of scrutiny under Student Startup and Innovation Policy (SSIP), Government of Gujarat towards development of prototype/proof of concept (PoC).
- Neel Maradia, final year student and group's project titled, "Aqua Cleaner" under the guidance of Dr. M. D. Chaudhari has received a total funding of 1,30,000 INR during 5th Phase of scrutiny under Student Startup and Innovation Policy (SSIP), Government of Gujarat towards development of prototype/proof of concept (PoC).
- Kishan Patel, final year student and group's project titled, "Loop Wheel" under the guidance of Prof. D. R. Shah has received a total funding of 10,000 INR during 5th Phase of scrutiny under Student Startup and Innovation Policy (SSIP), Government of Gujarat towards development of prototype/proof of concept (PoC).
- Ravi Rupareliya, third year student's project titled, "Thermal Comfort" under the guidance of Dr. H. M. Gajera has received a total funding of 20,000 INR under Student Startup and Innovation Policy (SSIP), Government of Gujarat towards development of prototype/proof of concept (PoC).
- Ravi Thakar, final year student and group's project titled, "M-Use" under the guidance of Dr. N. M. Bhatt has received a total funding of 1,50,000 INR during 5th Phase of scrutiny under Student Startup and Innovation Policy (SSIP), Government of Gujarat towards development of prototype/proof of concept (PoC).

Plastic Technology

- Students visited the "Plastivision 2020" exhibition held at Mumbai from 16th to 20th January 2020.



- Lohia Group came for placement on 29-01-2020. Two students of final year Lunagariya Kevin and Mrityunjay Yadav were selected as Apprentice Engineers



"Shaily Plastics" came for placement on 01-02-2020. Five students of final year Gajera Janki, Desai Surya, Banjara Yogesh, Soni Kevin, and Pagi Divyesh got selected.

- Students with Prof. Stuti Shah participated in the "Ek Bharat Shresth Bharat" activity under RUSA held in seminar hall in the Chemical Engineering Department on 20-02-2020. They took part in activities like Essay writing, online Quiz, Video calling session with Govt. Nagarjuna, P.G. Model College, Raipur, Chattisgarh and taking pledge to save water.



Rubber Technology

- Mr. Joel Lalucharian, a student of M.E. IV sem was awarded with gold medal by GTU to achieve 1st rank in M.E. Rubber technology on 12th Jan, 2020.
- Harsh Pandya, a student of B.E.VIII was awarded with gold medal by GTU to achieve 1st rank in B.E. Rubber technology on 12th Jan, 2020.

- Hardik Sathwara, a student of B.E. Sem VI has participated and won the prize for Kabbaddi tournament, “National Sports Championship” organized by “National Sports and Physical Fitness Board”, during 17th to 19th January, 2020 at Goenka Public School, Panipat-Haryana.
- Chirag Sonagara, a student of B.E. Sem VI has performed as a Guide in “Heritage Cycle Ride” event and provided excellent guidance and service to participants about some heritage places of Ahmedabad on 25th Jan, 2020.
- Ms. Sukanya Rathod, a student of B.E. Sem VI got the Co-creation Award for Leadership and Excellence (I-SCALE) for contributing towards “Accessibility Audit at Premises for disabled people” from Gujarat Technological University Innovation & Startup Center (GISC) on 14th Feb, 2020.
- Ms. Sukanya Rathod, a student of B.E. Sem VI has nicely performed as a Decoration Head and got the trophy for excellent performance in event “Lakshya 2k20” during 14th -16th Jan 2020 at L.D. College of Engineering.
- Mr. Ankit Vandra, a student of M.E. II has attended the One day workshop on “Matlab learning and Its Processing” at EC dept, LDCE on 31st Jan, 2020.
- Sahil Soliya, a student of B.E. Sem VI has participated in “GTU Sports Interzonal Spirit- Cricket Tournament” at Advik cricket club, Vadodara on 11th March, 2020.
- Sankesh Italiya, a student of B.E. Sem VI has successfully cleared the Aptitude Test and qualified for final interview for Internship at Reliance Industries.
- Three teams from B.E. Rubber Technology participated in New India Hackathon-2019-20 at IITRAM, Ahmedabad and Two Teams get selected for Regional round.
- Babariya Vishal, Parag Chvatiya, Satyam Dantrelia, Maurav Himanshu, Parth Dhrangdhariya attended the RUSA training at Indogerman Tool Room, Vatva on 16th March 2020.
- There was an active participation of female faculties from all 14 departments and office of the institute. Total participants were 50 faculties and 12 girl students of PG course of the institute. Programme was conducted by Poonam Modi, Assistant Professor, Applied Mechanics Department. Snack Arrangement by Kinjal Sheth, Assistant Professor, Electronics & Communication department. Invitees were suggested and invited by Prof. Priti Mehta, Associate Professor; Applied Mechanics Dept. Invitees were welcomed by Flower Bouquet and Book. Dr. Rupande Desai, Coordinator-WDC, ICC, LDCE welcomed Ms. Beena Shah. Dr. Komal Dave, Co-coordinator- WDC, ICC, LDCE welcomed Ms. Poojash Shah.



Inspirational talk by Mrs. Veena Parikh

- This programme was organised on 29th Feb, 2020 at Transportation Section Seminar Hall, PWD Block 4, Ground Floor. Program was coordinated by Prof. Kinjal Sheth and Welcome speech delivered by Prof. Rupande Desai and Dr. Komal Dave. Participation by 80 Faculties and students of L.D.C.E., AHMEDABAD



Textile Technology

- One of our final year students, Mr. Dhaval Pandit, is handling fabric production of N99 masks at ATIRA. ATIRA is the only place which has capacity to produce N99 fabric and they had received a huge urgent order from DRDO. Mr. Dhaval is working for more than 12 hrs per day and is helping in successful completion of the project.

6. COLLEGE ACTIVITIES

International Women's Day Celebration



Sahitya Sarita 2020

- A literary festival called "Sahitya Sarita" was organized with the aim of promoting literary creation in the technical field and inculcating linguistic diversity in the minds of more and more people on 7 and 8 February in the institute. Function was inaugurated by the Mayor of Ahmedabad, Shri Bijalben Patel. The program started with the welcome speech of Hon'ble Principal Dr. R. K. Gajjar and popular poet Shri Bhagyes Jha. Many known literary people like Radha Mehta, Deepak Pandya, Vinay Dave, Amit Khuva Milind Gadhvi, Viral Desai, Purvi Brahmhatt, Kunal Shah, Madhusudan Patel, Bhargava Thacker, Krupal Shah and Jay Vasavda have given their beautiful composition and fun and laughter to students. Apart from this various competitions like Tahuko, Quiz, Mono Act, Poetry, Debate, Teachers Corner and Short Film were also organized, in which students from various engineering colleges have participated. In the closing ceremony the winners were honored with the blessings of Shri Kamal Joshi Sir and a cultural program was organized at night



LDCE NSS NCC Unit Activities

NSS unit received Accolades from GTU on 14th February:

- NSS unit of LDCE received Innovative Students' Co-Creation Awards for Leadership and Excellence (i-Scale) for carrying out the accessibility audit of public places for specially abled people in collaboration with VOSAP (Voice of specially abled people) organization. Audit includes survey of difficulty faced by specially abled people in their routine life & report of shortfall of amenities and available facilities e.g. ramp at the entrance, accessibility of toilets etc for SAP in organization. The team of 22 NSS volunteers along with Program officer Dr. C. S. Sanghvi has completed the task and was honored by GTU on this occasion.



GTU NSS Awards on 29th February:

- NSS LDCE won three awards of "The Best NSS Volunteer of the year". Parixit Dedun & Priyanshi Patel won the award for the year 2017-18 & Hemankshi Ishwar for the year 2018-19.



Awards received by NCC Cadets

- CPL Parth Day and LFC Shaifali Singh received Gujarat Best Cadet awards on 24th November 2019 for SD Army and SW Air Wing category respectively. LFC Shaifali Singh bagged the 3rd position in the All India Best Competition held during the All India Republic Day Camp 2020. CPL Rohan Zala received DG Commendation Card for his invaluable and exceptional service during the NCC academic year 2019-2020.



Ummeed – A Kite Flying Festival (Let us Fly Happiness) on 12th January 2020:

- Ummeed is an event which is organized every year in the memory of the birthday of Swami Vivekanandji by NSS volunteers and is completely a social event in which more than 800 underprivileged children's from different NGO's were invited to celebrate Uttarayan – A Kite Festival. The main aim of the event is to stop accident of children taken place while running on the roads to catch Kites and to bring a Smile over their Faces. The event was inaugurated by President of Lions Club. These children were spending the whole day in LDCE campus. These children have celebrated Uttarayan in the campus. At the end concept of Swatchha Bharat Mission was imbibed in them by cleaning the campus with the help of children & NSS Volunteers. The event was supported by Coats India, Lions Club (Main) & many others.



Fit India Cyclathon on 18th January:

- Fit India Cyclathon was organized by NSS LDCE on 18th January under the campaign of Fit India Movement for bringing awareness among the people for their Health and to keep the city clean. NSS Volunteers and NCC cadets participated in this event.



Blood Donation at Raj Bhawan on 18th January:

- Blood Donation Camp is generally organized on the birthday of His Excellency Governor of Gujarat at Raj Bhawan. This year it was organized on 18th January in which 40 NSS volunteers & students participated and donated the blood and served the society & Nation as a whole.



Republic Day Celebration 26th January 2020:

- Republic Day event is coordinated by unit of NSS & NCC every year in institute. Celebration began with rally with message of "Say No to single use plastic". More than 500 Students, NSS Volunteers, NCC Cadets, Security staff & faculty/staff members participated in the rally.
- Shri Dipesh Shah, IAS, Advisor to Chief Minister & Shri Bijal Shah, IAS were invited as Chief Guest & Guest of Honour of the function respectively. Flag Hoisting Ceremony was taken place by Honorable Chief Guest, Guest of Honour & Principal mam. Flag hoisting ceremony was followed by scintillating parade by the NSS Volunteers & NCC Cadets. Two pilots SGT Vimal Prajapati & CPL Vivek Modi and a contingent of 24 cadets led by SUO Rutvik Vaniya took part in annual ceremonial college Republic Day Parade. On completion of parade, principal mam has addressed the august gathering & has given road map for future development of the institute. Shri Dipesh Shah & Shri Bijal Shah both are alumni of the institute. They have shared their memory of the institute & motivated faculty members & students to achieve new heights in future.
- Program continued with cultural activities such as Singing, Dancing and many other activities by the volunteers and students. Students & faculty members

were appreciated through certificates & memento for their contribution during last year.



Pinkathon on 3rd March 2020:

- Pinkathon – A marathon for women was organized to showcase power of women. More than 1000 participants took part in the event. Girl Volunteers of NSS LDCE actively participated & many worked as a volunteer also.



Rangamazi on 26th February 2020:

- NSS LDCE is organizing its benchmark event A Unique Wall Painting Competition – Rangamazi every year on 26th February - Birthday of Ahmedabad. This was the seventh year in succession. During Wall Painting competition, participants are beautifying the spoiled walls. This year around 210 teams from different schools & colleges have participated in the competition with great enthusiasm. Approximately 6000 sq ft walls were beautified. Teams have shown their amazing skills of painting and incredible artistic work. Judges of the competition were surprised by the artistic work & hidden talent of the participants. This Event is completely managed by the support of sponsors.



Guard of Honor during 9th Annual GTU Convocation by NCC Cadets

- On 11th January 2020, 9th Annual GTU convocation was held at Mahatma Mandir, Gandhinagar. The chief guest of the event was Hon. Union Home Minister Amit Shah and the guests of honor were Hon. Chief Minister of Gujarat Shri Vijay Rupani and Hon. Education Minister of Gujarat Shri Bhupendrasinh Chudasma. Hon. Governor of Gujarat Shri Acharya Devvrat and Chancellor of Gujarat Technological University also presided over the convocation. Guard of Honor is prestigious event for any NCC unit. NCC unit, 1 Guj Compo (T) Coy has given Guard of Honor to His Excellency continuously for the 9th year which is the only unit in Ahmedabad gets this opportunity. On 11th March 2020, 23 Cadets of 1 Guj Compo (T) Coy gave Guard of Honor to the honorable chief Guest.





NCC B and C Certificate examination 2020:

- On 14th February 2020, 20 SD cadets of LDCE, 1 Guj Compo (T) Coy NCC and 1 SW cadet of LDCE, 2 Guj Air Sqn NCC, gave their B Certificate Examination to become eligible for their 3rd training year in NCC. The examination was divided in two parts practical and written examination. The Practical examination was organized on 14th February 2020, in which cadet has to perform the demonstration of the training being imparted to them during their training. The Written examination was organized on 15th February 2020, in which the theoretical knowledge of cadets is evaluated. On 21st February 2020, 5 SD cadets of LDCE and 2 SW cadets of LDCE, gave their C Certificate Examination for their completion of 3 Years of NCC training. The Practical examination was organized on 21st February 2020 and Written Examination was organized on 22nd February 2020.

Activities and initiatives taken up by NCC:

- On 22nd March 2020, all the NCC cadets recorded and created videos urging the people to stay in home and spreading awareness related to COVID19. SGT Deval Naika also volunteered and worked extensively during pandemic to distribute food packets along with Red Cross Society.

7. Consultancy / Testing work

Textile Technology Department

- The department received consultancy work from Government of Gujarat, Department of Women and Child Welfare.

Mechanical Engineering Department

- Dr. J M Patel and Prof. S A Saraswat along with Electrical department faculty Prof. M G Patel carried out consultancy work of Inspection and capacity verification of different cold storage and ripening rooms at Integrated Pack House, Naroda of Gujarat Agro Industries Co. Ltd. Different suggestions were given for improving performance of Hot water tank for mango cleaning and processing. The consultancy was for Rs. 50000/- and report was submitted to GAICL in February.



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

Sr. No.	Titles	Faculties	Department	Venue	Duration
01	Use of Instrumentation and Big Data management for Road Sector organized by R&B (CE, World Bank), GoG.	Dr. P. J. Gundaliya, Dr. C S Sanghvi (Applied Mechanics Dept.)	Civil Engineering	Gift City, Gandhinagar	16 th – 17 th Jan,2020
02	Course Design in Context with NBA	Prof. Pratima K. Shah		Government MCA College, Maninagar, Ahmedabad	20 th – 24 th Jan,2020
03	Two Decades of Nanotechnology in Textiles: Progress and Prospects	Prof. P.R. Patel, Prof.D.V. Bihola, Prof. P.M. Mistry, Prof. H.J. Jaiswal, Prof. S.K. Parmar, Prof. K.J. Ponda and Prof. S.J. Parapuram	Textile Technology	Institution of Engineers (India), Gujarat State Center at Bhaikaka bhavan	20th – 21st Feb,2020
04	Faculty Development for Teachers of Technical Courses	Prof. D. R. Tarachandani	Applied Mechanics	IITE- Gandhinagar	17th - 23rd Jan, 2020
05	Statistical tools in Science and Engineering Research with Applications (ID-45)	Prof. Bansal R. Patel		NITTTT, Bhopal	2nd - 6th March, 2020
06	Faculty Development for Teachers of Technical Courses	Prof. Shalini R Singh		IITE- Gandhinagar	29th Feb - 6th March, 2020
07	Recent trends in automobile	Prof. S N Patel	Automobile	NITTR Ext. Ahmedabad	24 th – 28 th Feb, 2020



08	Academic and Research Paper Writing	Prof. D U Panchal	Mechanical	NITTTR, Extension Centre, Ahmedabad	09/03/2020 to 13/03/2020
09	Induction Phase 2	Dr H M Gajera		NITTTR, Bhopal	28/02/2020 to 06/03/2020
10	Course Design in Context of NBA	Dr. Komal G Dave		Govt. MCA College, Maninagar, Ahmedabad	20/01/2020 to 24/01/2020
11	Beyond the classroom towards excellence	Prof. Praful V.Jotaniya		IITE Gandhinagar	29/02/2020 to 06/03/2020
12	Promoting Excellence Through Industry Institute Partnership	Prof. V D Sonara		NITTTR, Bhopal	17/02/2020 to 21/02/2020
13	Advancement in Chemical Reaction Engineering and Catalysis	Prof. S. M. Dutta Prof. R. P. Bhatt	Chemical	LDCE, Ahmedabad	11/3/2020 To 15/03/2020
14	Outcome Based Curriculum Implementation	Prof. R. Jaiswal	Computer	NITTTR, Bhopal	20/01/2020 to 24/01/2020
15	Outcome Based Curriculum Implementation	Dr.Purvi N.Ramanuj	IT	NITTTR, Bhopal	20/01/2020 to 24/01/2020
16	Induction Training-II	Prof. Hetal C. Shah	Plastic Technology	NITTTR Ext Centre, A'bad.	03/02/2020 to 14/02/2020
17	“Accreditation for Undergraduate Engineering Programmes”	Prof.R.N.Desai, Prof.A.D.Bhatt, Prof.S.J.Padhiyar Prof.B.D.Patel,	Rubber Technology	MOOC	8 weeks
18	“Matlab learning and its Processing”	Prof.G.G.Bhatt, Prof.R. Y.Modan		EC department, LDCE	31st January 2020
19	“Patent Law for Engineers and Scientists”	Prof.R. Y.Modan		Swayam FDP	12 weeks

LDCE

NEWS LETTER

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L. D. COLLEGE OF ENGINEERING AHMEDABAD-15

Phone : 079-26306752, 26303190, Fax : 079-26303105, 26304118

E-mail : ldce_ciiilp@yahoo.com, Website : www.ldce.ac.in

20	“Outcome Based Education(OBE)”	Prof.G.G.Bhatt		Aaryabhata Auditorium, LDCE	4th February 2020
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9. M.E. Dissertation

Sr. No.	Title of thesis	Name of student	Guide
<u>Textile Technology Department</u>			
01	Study of Antimicrobial Finish using Mushroom (Psilocybe Zapotecorum) on Cotton Fabric	Ms. Hetali Patel	Prof. Ashwin Thakkar

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