46	Process Optimization and Estimation of Oxygen Assisted Wire Electrical Discharge Machine Performance using Artificial Neural Network	Mihir S.Rana	Prof B.C.Khatri	
47	Optimization of Ultrasonic Wire Electric Discharge Machining process parameter for EN8 steel using Genetic Algorithm	Pavagadhi Dharmin M	Prof B.C.Khatri	
48	Design Structural Analysis and optimization of articulated robot arm	Renish vadhaviya	Prof (DR) B.K.Patel	
49	Acrodynamics Design modification and CFD Analysis of Horizontal Axis Wind Turbine	Kaushik A.Devmurari	Prof D.R.Shah	
50	Numerical Analysis of Residual stresses and Distortion during Welding of AA 5083	Nirbhay l.Ranpariya	Prof M.Y.Patil	
51	Study on the Possibility of Alternative to CFC Based Dump cum Diagnostics for Characterizing Energetic Beams	Chintan C. Patel	Prof S.B.Bhatt	
52	Modeling and Optimization of Process Parameters for Turning Operation on CNC Lathe for ASTM A242 Type-2 Alloy Steel By Artificial Neural Network and Regression Analysis	Vijay A. Bhagora	Prof S.P.Shah	
53	Experimental investigation on life cycle analysis of Molybdenum coated Piston ring of SI Engine fuelled with CNG	Hirapara Bhavik B.	Prof. P.D.Patel	Mechanical (IC/AUTO)
54	Effect of injection pressure on performance of single cylinder CI engine fuelled with plastic pyrolysis oil and diesel blend.	Dhruvin N.Kagdi	Prof. R.J.Jani	
55	Development and Performance Analysis of Catalytic Converter based on Ferric Oxide Nanomaterial for Four Stroke Diesel Engine	Patel Harshilkumar S.	Prof. D.J.Parmar	
56	Development and Performance Analysis of PM and SOOT trap device for Four Stroke Diesel Engine	PATEL JAY THAKORBHAI	Prof. M.A. SHAIKH	
57	Experimental Investigation on performance and emission of natural gas SI engine with employing EGR.	PATEL VIJAYKUMAR CHANDUBHAI	Prof. M.A. SHAIKH	
58	Experimental Investigation of single cylinder c.i. engine using HCCI technique with ethanol blend	PREKSA K	prof. V.G.Trivedi	
59	performance enhancement and emission reduction of single cylinder S.I. engine using tri-fuel	Ritesh Kumar Ranjan	prof. V.R.Bhatt	
60	performance optimization of a single cylinder four stroke S.I. engine using tri-fuel blending	Vikas Rai	Prof. R.J.Jani	
61	Extrusion Volume Optimization On Screw Geometry Of Cryogenic Extruder	Bavishi Rajan Dipakbhai	Prof. N.V.Bora	Mechanical (Cryogenics)
62	Deep Cryogenic Treatment on FRP Composite Materials & Experimental Analysis of Its Effect	Bhadaja Dipenkumar Jayantilal	Prof. H.A.Shukla	
63	Design And Optimization Of Heat Exchanger With Liquid Helium Chamber For Cooling Of Supercritical Helium	Vaghasia Hardik Kanubhai	Prof. J.M.Patel	
64	Experimental Study Of Coil Finned-Tube Type Heat Exchanger For Helium Liquefaction Plant	Patel Jay M.	Prof. S.M.Mehta	
65	Design And Optimization Of Perforated Plate Type Cryogenic Matrix Heat Exchanger For Hydrogen Liquefaction System	Patel Vinod B.	Prof. N.V.Bora	
66	Design & Fabrication of Prototype Internal 20k Helium Gas Purification System For Helium Plant & Test Facility	P.Dhavalkumar Bharatbhai	Prof. J.M.Patel	
67	Design & testing of Drop off Plate for a Low Pressure Safety Devices	Ghelani Prakash Vallabhbhai	Prof. M.I.Vyas	
68	Design Of Coil Finned-Tube Type Heat Exchanger For Helium Liquefaction Plant	Sarvaiya Vivek Pradipkumar	Prof. S. M. Mehta	
69	Development & Performance Of Cryostat For Measurement Of Magnetic Properties	Shah Darshankumar V.	Prof. H.A.Shukla	
70	Detection and removal of Artifact from EEG (electroencephalogram) signals	SANAJA VIPUL DHIRAJLAL	PROF.V.P.PATEL	Instrumentation and Control Engineering
71	Optimize the Performance of Model Predictive Controller using Advance Computing Techniques	SUMITKUMAR VYAS	PROF.V.P.PATEL	
72	Design and analysis of modified repetitive control strategy in a DC motor for PID control mode	JARIWALA JIGAR VIMALKUMAR	PROF.V.P.PATEL	
73	Early Diagnosis of Critical Renal Condition using Fuzzy Neural network and its implementation on FPGA	ACHARYA KETAN KISHORKUMAR	PROF.R.C.PATEL	
74	Real-time hand gesture controlled wireless robotic arm for pick and place operation	MANIAR POOJA RAJESHBHAI	PROF.R.C.PATEL	
75	Model Predictive Controller Design for the Liquid Level system and Interfacing of a System with a LabVIEW	PRAMOD GONDALIYA	PROF.MANISHA C.PATEL	
76	Synchronization between Dual Servo System Using Cross Coupled Sliding Mode Control	VALA BHARAT RAMBHAI	PROF.MANISHA C.PATEL	
77	Two DOF PID controller for speed control of DC motor and FPGA implementation	MAHENDRA KUMAR	PROF. V. V. PATEL	

Newsletter Committee Members

Prof. (Dr.) K.G. Dave, Prof. H.A. Shukla, Prof. A.G. Momin, Prof. S.S. Gosai

LDCE NEWS LETTER

Quarterly Magazine

JULY - SEPTEMBER, 2015

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Book-Post

To, _____

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1. FROM THE DESK OF THE PRINCIPAL

Principal, Prof. (Dr.) G. P. Vadodaria

Dear Students and Faculty members,

The greatness of LDCE can be seen from the enlarged list of achievements. On 13th July 2015, TCS accredited LDCE to level B from C. This was appreciated in all leading newspaper including TOI. It is all due to talented students and dedicated faculty members. It was a proud moment for the institute as the subject wise result of all the branches improved remarkably in comparison to last semester university exam result.

One more feather L.D. has added to its crown by successfully hosting the First National Integration camp under NSS activity on behalf GTU under the aegis of Ministry of Youth & Cultural Affairs, Government of India from 21st-27th Sept.15. In this camp nearly 250 students from 10 different states representing 10 university stayed in the campus hostel. NIC camp was inaugurated by Hon.Minister of Education Smt.Vasuben Trivedi and also Shri Bhupendrasinhji Chudasma, Hon Minister of Education and civil supply, spared his valuable time on 22nd Sept., to motivate the youths. The eminent personality such as Prof Anil Gupta-IIMA, Brig Arvind Kapoor Gropu Commander NCC, Dr Jitendra Adhiya, Mira Erda, Pragya Mohan, Dr Subhash Brahambhatt and many more were present as motivational speakers to motivate the NIC participants. It was surprising for NIC participants as Hon CM called all participants to Sachivalya for interaction. All participants were excited and thrilled to interact one tone with Hon Chief Minister of our state Smt. Anandiben Patel. I also appreciate the effort put in by Prof. Bhavesh Oza for his untidy work before the NIC and during the camp duration.

LDCE successfully hosted third time the XiTiJ-2015, the cultural festival of G.T.U. Ahmedabad zone-1 institutes on behalf GTU from 28-30th Sept., 2015.Due to hard work and talent of our student we emerged as the champion of Zone-1. The credit goes to all students and faculty in charge Prof (Dr.) P. K. Brahmbhatt and Prof. Jignesh Hirpara for the Grand success

of the event.

Chief Minister of Gujarat has declared "Women Empowerment Fortnight" from 1st to 14th August 2015. L D College of Engineering has effectively celebrated various programs for students and faculty members for their advancement in different aspects of life. Efforts made by members of women development cell of LDCE for success of all events are appraisable.

Mr Hari Om Gandhi, Zonal Director Narcotics Bureau western region presided as a chief guest for the flag hoisting ceremony on the occasion of the 68th Independence Day celebration. Congratulates to NCC and NSS students along with Prof C D Patel and Prof Pankaj Rathod for the March past and the dance presented on the patriotic theme.

The orientation program for undergraduate first year students and PG students was well organised by the faculty and student coordinator with the support of the Heads and the faculty members. From the health perspective, in association with Red cross society and Lions club main, all first year students undergone Thalassemia test and also blood donation camp was organised under NSS. I am also congratulating the winners and participant students of G.T.U. organized sports tournaments and youth festival.

Again the placement has started under T&P cell for the current final year batch very well with record breaking selection of more than 200 students by the companies in first go. Let's work harder and share responsibility to fulfill the dreams of millions.Best of luck to all the students for their forthcoming university semester end winter exam.

01 October 2015.

2. PAPERS PRESENTED/PUBLISHED

Applied Mechanics Department

Prof. Poonam I. modi and Rathod Mehulkumar (PG student) published a research paper entitled" Evaluating the efficacy of the mortar prepared by replacing the sand with industrial solid waste like quarry dust and foundry sand in varying proportions" in conference issue of 4th International Conference on Recent Trends in Engineering and Technology (ICRTET-2015), July 2-4 2015, organized by SNJB's KBJ college of engineering, paper id Ce124, pp 708-713, e ISSN No.2349-9745.

Prof. D.H.Raval and Patel Nirav (PG student) published a research paper: "Analysis and Economic Implications of Tall Pier Bridges Under Seismic Conditions", International Journal for Scientific Research and Developement (IJSRD), Vol.3 (issue 03), 2015, pp 512-516, e ISSN No.: 2321-0631.

Prof. D.H.Raval and Patel Nirav (PG student) published a research paper "Analysis, Design and Economic Implications of Tall Pier Bridge and Foundation", International Journal of Science Technology & Engineering(IJSTE),Volume1, Issue11, May 2015 e-ISSN: 2349-784X.

Prof. Dr.M.V. Shah and Preeti Tiwari (PG student) published a research paper "Correlation between index properties and electrical resistivity of hydrocarbon contaminated periodic marine clays", International Symposium on Geohazards and Geomechanics (ISGG2015), 10–11 Sept.15, Warwick, UK, IOP Conference Series: Earth and Environmental Science, Volume 26, 2015, 012054 doi:10.1088/1755-1315/26/1/01205.

Automobile Engineering Department

Prof. R. J. Jani published a paper "Reduction in solid plastics by converting them into fuel oil by pyrolysis process" in third international conference on "Gujarat model of governance: lesson and future scope"ICGS-2015-GTU 25th -26th April-2015.

Civil Engineering Department

Prof. Dr.N.P.Singh has published paper on "Development of Flow Equation for Hyperbolically Shaped Sharp Crested Weirs" International Association of Hydraulic Research (IAHR) Hague Netherlands during June- July 2015.

Chemical Engineering Department

A Paper Presented on "Design of Distillation Column Using MATLAB for Separation of Thermally Degraded Polymers" Jointly written by Prof. S.M.Dutta & Ms. Samidha Banker , M.E. Sem.III (CAPD) at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

A Paper Presented on "Biodegradable Polymers in Food Packing" Jointly written by Prof. C.G.Bhagchandani, Prof. R.N.Desai, Ms. Saranali Mondal & Mr. Ranjit Sumar , M.E. Sem.III (CAPD) at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

A Paper Presented on "Plasma Polymerization, Characteristics and Application" Jointly written by Prof. S.R.Shah, & Mr. Parth Shah , M.E. Sem.III (CAPD) at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

A Paper Presented on "Surface Modification of Polymers for Medical Application" Jointly written Prof. S.R.Shah, & Mr. Parth Shah , M.E. Sem.III (CAPD) at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

A Paper Presented on "Global Technological Advancements in Polymer Industry" Jointly written by Prof. S.R.Shah & Ms. Adity Pore , B.E. Sem.VII at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

A Paper Presented on "Polymer Matrix Composites in Defense/Aerospace Industry" Jointly written by Prof. S.R.Shah, & Ms. Shivani Joglekar , M.E. Sem.III (CAPD) at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

A Paper Presented on "New Route for Synthesis of Urea Formaldehyde Resin & its Kinetic Study" written by Prof. S.B.Thakore at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

A Paper Presented on "Advancement in Air Seperation Technology" written by Prof. S.B.Thakore at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

A Paper Presented on "Bottomless Refinery Concept: Operation and Control of IGCC" written by Prof. R.P.Bhatt at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Enineers.

A Paper Presented on "Occupational Hazards of Arsenic" written by Prof. H.N.Pandya & Mr. Krunal shah at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

Prof. P P Prajapati has published a paper titled "Optimization of CMOS based Analog Circuit Using Particle Swarm Optimization Algorithm" in IPSAJ International Journal Of Electronics & Communication (IIJEC) (ISSN 2321-5984) At Volume & Issue No: Volume 3, Issue 8, August 2015.

Computer Engineering Department

Champaneria, Tushar A & Pandya, Hetal B published a paper "Internet of things: Survey and case studies" in International Conference on Electrical, Electronics, Signals 2015 at L.D.College of Engineering , Ahmedabad Electronics & Communication Department

Electrical Engineering Department

Technical paper on " Analyzing effect of bad measurement data on load flow and state estimation in power system " by Prof. D.D.Trivedi, Asso.Prof got selected for International conference on engineering, at Nirma university 2015.

Textile Engineering Department

Prof.A.I.Thakkar & Prof. S. J. Parapuram presented a paper on "Application of Lean Manufacturing techniques in Apparel Industry" at All India Seminar on Lean Management, Techniques and The Application for Textile MSME organized by The Institution of Engineers(India), Gujarat State Centre during 11-12th September 2015.

Mechanical Engineering Department

Prof.(Dr.) K.G.Dave and shri Vijay Radardiya Assi. Prof., at Shree Swami Atmanand Sarawati Institute of Technology, Surat published a research paper entitled "Design and Analysis of Water based Core Technology for a Casting of Light Weight Alloys: Core Casting in Journal of Thin Films, coating Science Technology and Application, STM Journals Vol.02 Issue 02July 2015 Pp. 25-30.

Plastics Technology Engineering Department

A Paper Presented on "Cotton Wood Plastics Composites-An emerging Polymer Product for Building Construction" by Prof. D.J.Desai & Prof. K.P.Jain at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

Rubber Technology Engineering Department

A Paper Presented on "Stretchable Heater using Silver Nanowire & Homogeneous Conductive Elastomer for Wearable Thermotherapy" jointly written by Prof. R.N.Desai, Prof.S.J.Padhiyar and Ms. Purthavi Bholodiya M.E.Sem.III at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

A Paper Presented on "Enhancement in Properties & Durability of Printing Rubber Rollers" jointly written by Prof. R.N.Desai, Prof. S.J.Padhiyar and Ms. Pratiksha Awasthi, B.E. Sem.V in above mentioned National Seminar.

A Paper Presented on "Photo-degradation & Photo-Stabilization of Polymers" Jointly written by Prof. R.N.Desai, Prof. B.D.Patel & Mr. Joel Lalucherian , B.E. Sem.V in above mentioned National Seminar.

A Paper Presented on "Basic Tribomechanical Systems in Timing Belt" Jointly written by Prof. T.H.Kothari, Prof. B.D.Patel & Mr. Mehul Bagadiya , M.E. Sem.III in above mentioned National Seminar.

A Paper Presented on "Electro Active Polymer Control by using External Parameter of Temperature for Artificial Muscle" jointly written by Prof. R.N.Desai, Prof. A.D.Bhatt & Mr. Ratandeep Bhoi , M.E. Sem.III at in above mentioned National Seminar.

3. DEPARTMENTAL ACTIVITIES

Automobile Engineering Department

Seminar on Creo Capabilities and PTC Certified Course conducted by Blue Chip Info Corp Pvt. Ltd., for the Student of Mechanical and Automobile Engineering on 14/07/2015 at Aryabhatt Hall.

Seminar on Pradhanmantri Kaushalya Vikas Yogja (PMKVY) conducted by Sarjak education, Gurukul Ahmedabad for the student of Mechanical and Automobile Engineering on 15-16 June 15 at Aryabhatt Hall in evening session to highlighted the skill requirement, present crisis, role for same and how the PMKVY is planned to cope up the same.

For students of semester 5 and 7 automobile under the Siemens centre of excellence the regular courses titled 'Synchronus Modelling & Parametric Modelling' and 'Motion Simulation & Advance Simulation' started respectively.

Solid-works authorized training center in association with Edubotix Innovations and Engineering Technique conducted a successful seminar on SOLIDWORKS & ITS SCOPE on 9th Sept.15. Total 120 students from Automobile and Mechanical branch actively participated and shown enthusiasm.

Edubotix Innovations conducted a successful seminar on Robotics & Intelligent Systems on 10th Sept.15 Total 100 students from Automobile and Mechanical branch participated.

Engine donation ceremony by Ford India to LDCE, the undertaking-cum-indemnity ("Indemnity") is executed at Sanand Vehicle Assembly and Engine Plant, FORD INDIA-Gujarat on 4th Sept.15 by donating the Engine of ASPIRE MODEL to Automobile Engineering of LDCE. Prof. R.J.Jani and Prof. M.A.Shaikh remained present at FORD plant on Behalf of the Institute.

Chemical Engineering Department

An expert lecture organized for students of M.E.Sem.1 B.E.Sem.VII on "Cleaner Production Scenerio in Gujarat" by Dr.Bharat Jain, MS ,GCPC during month of Sept.15.

Expert lectures organized for students of M.E.Sem1 & B.E.Sem.V & VII on "Cleaner Production in Chemical Industry" by Dr .P.A.Joshi, Director, DDIT and on "HW Rules and Coprocessing in Gujarat" by Mr. J.K.Vyas (Head, Industrial Pollution Prevention, Centre for Environment Education) during month of September

An expert lecture series organized for student of B.E. on "Development of P & I diagram" by Mr. Ashok Kakadiya (Senior General Manager, Reliance) and on "Process Safety Managment" by Mr. Amit Dave (Senior General Manager, GNFC) during Sept.15.

An expert lecture series organized for M.E.Sem.I on "Energy & Mass Integration" by Prof. Naresh Patel, Asso. Professor during sept . 2015.

Industrial visits of D.K.Scientific Industry, Vatva and M/s. Macro Polymers Industries, Changodar were arranged for the students of M.E.Sem-I & III (CAPD) on 29th and 30th Sept.15 respectively.

Computer Engineering Department

TCS visit for Re-accreditation was organized on 09/07/2015.

World Youth Skill day was celebrated during which students were made aware of recent research areas on 15/07/2015.

PG students of Computer department attended workshop on "Cloud" by Microsoft in IT department's seminar Hall on 16/07/2015.

Accenture Innovation Joky promotional event in Aryabhatta hall on 24/07/2015.

50 students of B.E 5th sem. attended workshop on Microsoft awareness on latest technology in Upanishad hall 07/08/2015.

72 students of B.E Sem1 visited Adalaj village and interacted with 12th standard students of Smt. Manekba Vihar school, Sarpanch of the village and villagers as part of Bridge course curriculum -Village Visit on 20/08/2015.

Electrical Engineering Department

Final year students have visited ERDA, Vadodara on 19th September, 2015 to understood various testing methods on electrical equipments and its appliances.

A new Facility of book bank is established under RUSA (Rashtriya Uchchatar Shiksha Abhiyan) under equity components for weaker section worth Rs. 24,000/- for the students preparing for the competitive examination like GATE, GRE, GMAT, IELTS, etc. Dr. Bhavik Suthar, RUSA incharge actively coordinate the same.

EC Engineering Department

A One day Seminar on "PARENTeens-Empowering Parents and Teenagers" by Dr. Nishchal Bhatt, leading Child Specialist and Adolescent Health Consultant was conducted on 19th Sept15. Prof. K R Sheth has co-ordinated the event.

Department conducted practical in mobile Communication for students of Government Polytechnic, Ahmedabad as a Networking activity with institutions on 24th August & 3rd September, 2015.

Two day workshop on "Arduitronix-Workshop on microcontroller" under IEEE LDCE student branch has organized by department for college students during 13 -14 July, 2015.

Environment Engineering Department

Students of BE Sem VII were taken for industrial visits at Common Effluent Treatment plant at Vatva on 10/8/2015 and on 12/8/2015 at Water Treatment plant at Kotarpur.

Students of ME Sem I were taken for industrial visits at Common Biomedical waste facilities at Shyamlaji on 3/9/2015 and at Arvind Mills Santej on 10/9/2015.

Information Technology

World Youth Skill Day celebration was done by the department by arranging a presentation for students to motivate them how to develop their different skill on date 15th July 2015.

Microsoft Azure had arranged one day workshop for students of UG and PG to know about the services provided by Azure and given a demonstration about how to use Azure services. They also provide free account to students to use cloud services which is provided by Azure on 16th July 2015.

Sigma company had arranged one day workshop for all semester students about to learn Device Programming on 24th August 2015.

"Swachchata Abhiyan" Celebration was done by faculties and students by cleaning department on 16th September 2015. The students have cleaned up the classrooms by dusting with brooms, cleaned the cobwebs, and wiped the benches.

A lecture was arranged by Prof.N.N.Desai for Design Engineering to 3rd semester students to understand the concept of Design Engineering and activities which they have to do in the current semester in this subject on 19th September 2015.

A smart city Presentation on "Contribution to the Smart City : I.T. Perspective" was delivered by Prof.Jay Thakker on 19th September 2015.

I.C. Engineering Department

"CLEANLINESS DRIVE" was carried out on 16th September 2015 at department level and clean the Lobbies, classroom and common areas. The Lobbies are cleaned by Students, Staff and faculty members.

Industrial visits were organized at IFFCO, Kalol on 11th Sept. 2015 for BE-Sem.5 and for BE Sem 3 at GELCO on 23rd Sept. 2015.

Mechanical Engineering Department

Expert talk delivered on "Compressors-new developments and opportunities" by Mr. Mitul Desai oil and gas division Atlas copco compressors Canada. Dr. Shreya Mehta and Prof.H.A.Shukla have coordinated the event with supported by ISHRAE student chapter LDCE. More than 250 students have participated from the LDCE as well as different self finance colleges.

Plastics Technology Department

An Expert lecture was delivered by Mr.Shatrunjay Kumar on topic "Enriching Communication Skill" on 14th Sept.15 at Seminar hall, Chemical Engineering Department. More than 110 students attended this lecture.

Rubber Technology Department

An expert lecture was delivered on "How to Develop Managerial Skill" for students of B.E.Sem.VII by Mr. Dharmendra Joshi, during month of September 2015.

An expert lecture series organized for B.E.Sem. III Rubber Technology students on "Thermodynamics of Elastomers&Polymers" by Ms. Neelam Shah, Quality Head at Shreenath Rubber Industry during month of August-September 2015.

An expert lecture series organized for M.E.Sem. III Rubber Technology students on "Silane Technology" by Mr. Prakash Patel, MD of Agile Rubber Industry, during month of August- September 2015.

An expert lecture series organized for B.E.Sem. VII Rubber Technology students on "Applications of Rubber in Automobile & Mechanical Industries " by Mr. Atul Shah, MD of Pioneer Rubber Industry, during month of August-September 2015.

An expert lecture series organized for students of B.E.Sem. V on "Cross-Link Density of Rubber" by Ms. Priyanka Chavda, on August- September 2015.

An expert lecture series organized for students of M.E.Sem.I on "Modelling of Rubber Processing" by Prof. Naresh Patel, Associate Professor during month of September 2015.

A Industrial visits at(1) M/s. Macro Polymers Industries, Changodar (2) D.K.Scientific Industry, Vatva were arranged for M.E.Sem-I & III during 29-30 September 2015 .

A Industrial visits of M/S. Panchal Rubber Industry, Rakhial was arranged for the students of M.E.Sem III on 26th September 2015. Prof. B.D.Patel & Prof. S.J.Padhiyar accompanied the students.

A Industrial visits of M/S. Sarbhumi Rubber Industry , Sanad was arranged for the students of M.E.Sem III on 5th September 2015. Prof. R.Y.Modan accompanied the students for the said visit.

Textile Engineering Department

Prof.M.R.Patel delivered expert lectures on "Modern Development in Spinning" and "Knitting Technology" on 14th and 21st July, 2015 respectively.

A career counseling program "Opportunities for Overseas Higher Education" was organized by Outlook Overseas LLP for the students of B.E SEM 5th and 7th on 4th August, 2015 at the department.

Prof.M.R.Patel delivered an expert lecture on "Statistical Quality Control in Textile Industry" at the department on 4th August, 2015.

4. FACULTY ACTIVITIES

Civil Engineering Department

Prof.Dr.N.P.Singh has written book on Irrigation Engineering in National Publication.

Prof. P.K.Shah has attended a sttp on "Personality Development and Positive Thinking." At NITTTR ex. Centre Ahmedabad during 22-26 June 2015.

Chemical Engineering Department

A book on "Illustrated Process Equipment Design" jointly authored by Prof. S.B.Thakore published in Atul Prakashan in month of September 2015.

Prof B.H.Shah has arranged pedagogy meetings with (1) Mr. Jagdish Tapariya (MD, Dyes Intermediates.) for "Importance of Waste Management in Dye Industry" (2)Mr. J.K.Vyas (Head, Industrial Pollution Prevention, Centre for Environment Education) for "Use of Hazardous Solid Waste in Buliding Construction"(3) Mr. Nadankumar (PO, Industrial Pollution Prevention, Centre for Environment Education) for "Air Quality Index". Prof. S.B.Thakore, Prof. S.M.Dutta, Prof. S.R.Shah, , Prof. R.P. Bhatt, Prof. H.N. Pandya, Prof. S. R. Patel, Prof. T.S.Rajaraman & Prof.P.B.Shukla attended the meeting.

Prof B.H.Shah & Prof. R.N.Desai (Rubber Tech.) worked as committee members for organizing a All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment" for industry people and M.E. Rubber Tech. & Chemical (CAPD) & Environment Engg students under the banner of The institution of Engineers (Gujarat Centre) during 21-22

August 2015.

Prof. S.B.Thakore, Prof. S.M.Dutta, Prof.S.R.Shah, Prof.R.P.Bhatt, Prof. T.S.Rajaramam, Prof.S.R.Patel and Prof. H.N.Pandya have attednted (1) Work shop on "Awareness of Manufacturing Process in Chemical and Polymer Industries" during 28th Sept-3rd Oct.'15 at LDCE (2) National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment" during 21-22 August 2015 at Bhaikaka Bhavan, A'bad.

Prof. S.M.Dutta delivered a lectures on (1) "Recent Trends in Manufacturing in Indian Chemical Industries"(2) "Dye Manufacturing" and Prof. S.R.Shah delivered a lecture on "Resin manufacturing & its application" at workshop on "Awareness of Manufacturing Process in Chemical and Polymer Industries "for M.E.Sem.-I Rubber Tech. & Chemical (CAPD) students under the banner of Co-Anchor Institute, Chemical Engineering Department, L. D. College of Engineering during 28th September to 3rd October 2015.

Prof. H.N.Pandya has attended Induction Phase-II during 7-18 Sept. 2015 at NITTTR, Bhopal

Environment Engineering Department

Prof H S Syed delivered an expert lectures on (1) "Smart liquid infra structure for smart cities " at the department on 1th Aug.15 (2) 'Secondary treatment of industrial effluents' at centre for environment education, Thaltej on 5th Aug.15(3) 'Water Pollution : definition, impacts and control technologies" at the Training programme at Gujarat Pollution Control Board, Gandhinagar on 11th September 2015.

Prof H S Syed attended Training on Industrial waste water treatment on 5th August 2015 organized by CEE.

EC Engineering Department

Prof. Usha Nilkanthan, as a "State Technical Education Nodal officer" coordinated with premier institutes like ISRO,PRL and IIM for the visit of 351 Girls students of Government Engineering Colleges and 130 girls students of Govt polytechnics at NIFT and CEPT on Women Education Day on 7th August'15 which was a great memorable event for all students.

Prof. P J Muliya and Prof. S K Gonsai have participated in One Day Professor Summit on "Embedded System Design Using Atmel ATMega 168PB XPLD Mini" on 14th August 2015 at GTU-CIC3 Community Innovation & Co-creation Centre.

Prof. P P Prajapati attended STTP on Embedded System Design Flow at IETE, Ahme.16thAug. to 13th September 2015.

Prof. Usha Nilkanthan was invited by ISRO to deliver lectures on 'Seven Modules to students of Asia Pacific region' for students of PG Course in Satellite Communications at Space Applications Centre on 18 -19 Aug'15.

Prof. P J Brahmbhatt, has attended one day workshop on "Research Opportunities Vintage Smart Cities Dvelopment" at GTU on 22nd August, 2015.

Prof. P R Goswami worked as faculty Co-coordinator of "Design and Content Writing Committee" in National Integration Camp held by NSS during 21-27 September, 2015.

Prof Usha Neelakantan has been invited as (1) member of Organizing Committee for the hosting of All India Seminar on "Internet of Things" to be held on 31st October 2015 by IETE / IEEE/IE/CSI/ GESIA and (2) as a member of the steering committee for the International Conference on "Women in Science & Technology: Creating Sustainable Career", going to be organised by Gujarat Technological University, in collaboration with BVM during 28-30 January, 2016.

Information Technology Department

Prof.N.P.Desai has organized FDP on Design Engineering at GTU Innovation Council LDCE, Ahmedabad during 4-7 August 2015.

Prof. Ashish Patel has organized FDP on Design Engineering at GTU Innovation Council LDCE during 12-15September 2015.

Prof. N.S.Trivedi has organized FDP on Design Engineering at GTU Innovation Council LDCE during 28th Sept to 1st October 2015.

Mechanical Engineering Department

Prof. Y.D.Vora, Associate Prof. Mech. Engg. has arranged one day hekathon on "DESIGN & FRAMEWORK ON FINAL YEAR PROJECT AREA ANALYSIS & COMPARISON IN MECHANICAL ENGINEERING" at Gujarat Technological University, Community Innovation & Co-Creation Centre (cic3) on 26/06/2015. More than 100 students from various engineering colleges of Gujarat state had participated. Prof. Y.D.Vora, Prof. R.O.Paliwal and Prof. P. R. Rathod have informed participants the different areas of mechanical Engg. such as design, thermal, production and also on interdisciplinary areas for IDP/UDP project titles. Patenting in Engineering & patent database "PatSeer" explained by Mr.Shailesh Jain. Ms.Naheda Chhuvara introduced E-library City Centre and PMMS tools to improve the overall quality of IDP/UDP projects. The participants have prepared and submitted the report on various projects.

Prof. Y.D.Vora has arranged one day workshop on 'Applications of NX-CAD design and analysis software' for final year students of mechanical engineering at LDCE in collaboration of GTU and Centre of Excellence – Simens on 01/08/2015. Total 45 students from various engineering colleges of Gujarat state had participated. Prof.G.P.Vadodaria, Principal gave inaugural speech to inform about importance of softwares training and requested to the student to take the benefits of COE centre facilities. Prof. G.H. Upadhyay, Prof-In-charge, COE centre has given the welcome speech. Prof. B.C.Khatri and Prof.P.D.Patel Coordinators had extended their co-operation whole heartedly. COE centre-Simens faculties have introduced about the applications of NX-CAD softwares. Prof. Krutika Paradkar and her team members from GTU have supported fully to make both the programs a grand success.

Prof R O Paliwal and Dr P K Brahmbhatt have organized this expert lecture on "Energy Scenario and Contribution of ONGC" on 12/8/2015 at Aryabhattt hall for Mechanical and Automobile Engineering students. Shri Sheshagiri and Uday Paswan of ONGC, Chandkheda were eminent speakers of this particular lecture.

Dr P. K. Brahmbhatt has delivered his expert lecture on "SCOPE OF ALTERNATIVE FUELS" in short term

training program on Advance in Internal Combustion Engine on 8/9/2015 at LDRP Institute of Technology and Research, Gandhinagar.

Dr. Shreya Mehta worked as coordinator for Video recording of Engg. Graphics subject at BISAG.

Dr. Shreya Mehta and Prof. R.J.Jani had participated in syllabus revision of Mechanical and Automobile engineering at GTU (U.G. and P.G.)

Rubber Technology Department

Prof R.N.Desai has arranged pedagogy meeting with industry people namely (1) Mr. Ashutosh Kothari (MD, Ashutosh Rubber Ind.) for "Importance of Management in Rubber Industry". Prof. B.D.Patel & Prof.S.J.Padhiyar attended the meeting.(2) Mr. Parin Sheth, MD, Shrinath Rubber Ind., "Role of Rubber in Artificial Mobile Intelligence".(3) Mr. Paramjit , "Scope of Polymer in Germany".(4) Mr. Palak Sheth, Production Manager, Hi-Tech Elstomers Ind., "Importance of Dock Fender in Marine Applications" Prof. B.D.Patel ,Prof.S.J.Padhiyar & Prof. R.Y.Modan attended the above meetings.

A workshop on "Awareness of Manufacturing Process in Chemical and Polymer Industries "for M.E.Sem.-I Rubber Tech. & Chemical (CAPD) students under the banner of Co-Anchor Institute, Chemical Engineering Department, L. D. College of Engineering during 28th September to 3rd October 2015 which was organized by Prof. R.N.Desai, Prof. B.H. Shah, Prof.B.D.Patel , Prof. S.J.Padhiyar and Prof.R.Y.Modan in which (1) Prof. B.D.Patel conducted a laboratory session on "Manufacturing Latex Goods from Latex",(2)Prof. S.J.Padhiyar conducted a laboratory session on 'Manufacturing of Rubber Adhesives'& (3) Prof. B.D.Patel delivered a lecture on "Introduction to basic Polymer Chemistry".

Textile Engineering Department

Prof.A.I.Thakkar was invited as Jury member by NIFT, Gandhinagar on 19th August 15.

Prof. A.I.Thakkar ,Prof. P.R.Patel,Prof.S.S.Parmar, Prof.S.S.Patel,Prof.S.J.Parapuram,Prof.H.N.Upadhyaya has attended a workshop on "Lean Management Techniques and the Application for Textile MSME" at bhaikaka bhavan, during 11-12 September 2015.

5. STUDENTS' ACTIVITIES

Automobile Engineering Department

An industrial visit to Parsoli Motor Works Pvt. Ltd. BMW was organized by the students' club SAE LDCE on 7th August, 2015. 17 students from the institute and 9 core team members were present at the workshop along with three faculty advisors, Prof M.A. Shaikh, Prof. D.J.Parmar and Prof. V.R.Patel from the institute. The visit was coordinated by the core team member Saurabh Trivedi. Mr. Akshat Shukla, General Manager Sales, Parsoli Motors and Mr. Mrudul Kothari, workshop Manager, BMW workshop helped the students to make this visit possible.

On 10th Aug.2015 SAE club LDCE organized one day visit to GSRTC Workshop, Naroda for 1st and 2nd year students under consideration club core members Kishan Thakkar, Saurabh Jariwala, Ankit Prajapati and Chintan Agrawal.

Chemical Engineering Department

A Paper Presented on "Use of Supercritical Fludis in Enhancement of Polymerisation Process (Review)" Jointly written by Mr. Chinmay Tiwari & Mr. Akshay Chotathni students of B.E. Sem.VII and Prof. S.R.Shah, at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers (Gujarat Centre) during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

Environment Engineering Department

Kamaliya Raviraj, student of ME Sem I (Env Mgmt) is captain of Kabaddi team of the college. The team is runner up in Ahmdedabad zone, held at Sal college on 30/8/2015

EC Engineering Department

Himani Chauhan, 5th Sem students has successfully completed basic mountaineering course with grading Alfa('A') Grade at Jawahar Institute of Mountaineering & Winter Sports, Pahalgam, Jammu-Kashmir from 1-26 July 2015.

Dhara Sanghani, ME (CSE) student stood 1st in GTU M.E Examination 2015 and got Gold medal on 15th August, 2015 the Independence day by Principal.

Shrey Shylesh, 5th sem student, Burhan Channiwala, 3rd Sem student have won the 1st position in the Sweden-India Nobel Memorial Quiz 2015 held at Indian Institute of Management, Ahmedabad on 19th September, 2015.

IC Engineering Department

Kuntal A. Patel student of BE-5th sem was selected as top 5 volunteers in "iVolunteer Award" in Mumbai.

Plastic Technology Department

A Paper presented on "Replacing Glass Fiber With Natural Fibers For Making Eco-Friendly Composites Structure" by Dave Darshan, Ashutosh Panchal and Rizvan Garana students of B.E.Sem.VII at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life

Impact on Environment organized by institution of Engineers during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

Rubber Technology Department

Papers accepted on (1) 'Devulcanizing agent for production of reclaim rubber powder'Jointly written by Lakhani Kishan, Chavda Anil, Desai Hardik (2) "Polymer alloys and materials for stopping environmental damage of fluid by providing macroscopic porosity"Jointly written by Hemil Kotadiya, Sagar Savani, Chirag Patel students of B.E.Sem.VII at All India National Seminar on "Polymer Processing, Reclamanation and its end-of-Life Impact on Environment organized by institution of Engineers during 21-22 August 2015. Same is published in Souvenir of 30th National Convection of Chemical Engineers.

Ms. Hetal Makadiya, Mr. Sumit Patel & Mr. Ankit Vandra students of B.E.Sem.III- have secured 2nd position in "Quiz-O-Bate I An Unique Interaction" organized by Advanature Club on 24th September 2015 at L. D. College of Engineering.

6. COLLEGE ACTIVITIES

Women Empowerment Fortnight 1st -14th August 2015.

Chief Minister of Gujarat Srimati Anandi ben Patel has declared "Women Empowerment Fortnight" from 1st to 14th August 2015. L D College of Engineering has celebrated various programs for students and faculty members. 'Mahila Suraksha Divas' has been celebrated on 1/8/2015. Dr. kanan Desai, ACP from police department and Mr. Rushiraj, renowned 'Marshal Art Trainer' are invited to create awareness about the 'Abhyam Helpline-181' service as well as live demonstration on Woman Self Defense through Marshal Art. Prof. Dr. G.P.Vadodariya principal of LDCE and Prof. Usha Neelakantan gave inspirational speech. Conniver of Woman Development Cell (WDC) Prof. Dr. K.G.Dave and members Prof. P.J.Brahmbhatt, Prof.Z.B.Parekh, Prof.P.I.Modi and Ms. T.G.Barevadiya coordinated the whole event with huge audience at Aryabhatt hall of LDCE. Refreshment was served to all participants after program .

Under women empowerment fortnight the "Mahila Shikshan Day" has been celebrated on 07/08/2015. In morning session more than 180 girl students of institute have visited different educational institutes such as PRL,ISRO,IIM GTU and SPIPA. Senior lady faculty members Prof. Vaishali Pandya, Prof. S. K. Rana, Prof. K.R.Sheth, Prof. Hiteshi Diwanji, Prof.D.H. Shah, Prof. Hiral Shah, Prof. Niral Modi and Prof.Z.B.Parekh have accompanied various visits. Hundred girl students from Girls Govt. polytechnic, 86 girls from Govt. polytechnic and 67 girls from RCTI, Ahmedabad have visited our institute. All the girls of LDCE and girls from polytechnics are served with fruits. Prof. Basantani has guided all the girls regarding their careers. Prof.P.I.Modi, Prof. Dimpy Shah, Prof. Sneha Gosai and Ms. T.G.Barevadiya have familiarized girl students to sixty different departments of college. All students gain knowledge from faculty members regarding career advancement in engineering field. Prof. Usha Neelakantan, Prof.K.G.Dave and Prof. P.J.Brahmbhatt have thoroughly coordinated all the programmes effectively. In evening session renowned dignities Shri G.P.Raval-IRS, Dr. Shirali N. Mehta- Principal SLU Arts College, Captain A.M.Patel-INDIAN Navy, Shri Jagdishbhai Patel-Director Liberty Publication, Shri Hiren Dave-SPIPA, Ms Hema Mehta-LAA member are invited for career counseling to students at Aryabhatt Hall. More than 300 students of different department accompanied with HOD have interacted with experts regarding their career advancement in Govt. service through GPSC, in Indian Navy, in Indian services and in Education Institutes. Prof. (Dr.) G.P.Vadodaria, Principal L.D.College of Engineering has given inspirational speech. His support and guidance for all celebrations are noteworthy.

Computer training in 'MATLAB' and 'EXCEL Spread Sheet' for nearly 50 female members (class-I to III) of LDCE was organized at ANNEXE building of LDCE on date 11/08/2015 as a part of celebration of 'Mahila Karmayogi Divas'. Faculties of EC department Prof. K R Sheth, Prof. P R Goswami, Prof. P.J.Brahmbhatt and prof. S.K.Rana have conducted different sessions enthusiastically. On the same day Committee members of 'woman sexual harassment at working place-(Atakav, Pratiband and Nivaran) participated in awareness program at district level. Participants have gain thorough knowledge and enjoyed the training along with refreshment arranged by Members of WDC.

Mahila sharirik saushthav Divas has been celebrated on 14/08/2015. Rushi chhatpar, yoga trainer was invited for discussion regarding benefits of yoga in human life. Number of female faculties, staff members and students have actively interacted and performed different yogasans along with tea and snacks.

Orientation Program for UG and PG students - Batch 2015-16

Orientation program for newly registered under-graduate students was organized on 03.08.2015. Prof.D.R.Tarachandani and Prof.P.J.Mehta from Applied Mechanics Department were the convenors for the program. The orientation program in 14 disciplines was successfully conducted with the help of the students volunteers. 14 departments conducted the orientation program whereby the common sequence was followed that includes Department presentation & Department tour. The common aim of the activities was to make the newly admitted students get conversant with the basic infrastructure of college and department. Expert lectures by Alumni members of LAA were also given in some of the branches. Principal Prof.Dr.G.P.Vadodaria attended the presentation session of almost all the disciplines and encouraged the new batch of students to sincerely pursue their academics and come out with flying colours.

Department of Applied mechanics had arranged and coordinated the Orientation Program for the students who secured admission in various Post graduation courses for the year 2015-16. The orientation program was held on 13.08.2015 at Arya Bhatt Hall. The dignitaries who graced the occasion included Dr.G.P.Vadodaria, Principal L.D.C.E, Dr.S.P.Dave, In-charge coordinator of PG courses and Prof. Dr.Anil K. Gupta from IIM-Ahmedabad who was invited as the Guest of Honour for the function. Dr. G.P.Vadodaria extended a warm welcome to the new batch of PG students and apprised them of the benefits for choosing our esteemed college for pursuing their post - graduation. Padmashree recipient, Prof. Dr. Anil K. Gupta who graced the occasion with his esteemed presence delivered the keynote address. The function concluded with the vote of thanks delivered by Dr.S.P.Dave.

Sanchay-Xitij 2015

L.D. College of Engineering has hosted Ahmedabad zone fifth youth festival of GTU for the year 2015-16. This was the third time consecutively hosted by the college. 20 different colleges of Ahmedabad zone have taken part and 550 students have showcased their talent throughout three days. Students of various engineering colleges, management colleges, pharmacy colleges, computer application colleges have taken part in various 23 events. All the events are divided in five categories: (1) Theatre Events (2) Dance Events (3) Music Events (4) Fine Arts Events (5) Literature Events. Ceremony was started in presence of esteemed guests Prof. Dr. M.N. Patel Vice chancellor of Gujarat University, Prof. Subhash Brahmbhatt principal H.K. Arts College and Actor and drama artist Arvind Vaidya, Mr Sureshdan Gadhavi and Principal L.D. College of Engineering Prof. Dr. G.P. Vadodaria after prayer to almighty, all guests joined for lighting the lamp ceremony. Prof. M.N.Patel has conveyed innovative and creative speech. He has blessed all the students and participants. Mr. Arvind Vaidya has shared his experiences in his life forum. He has also advised the students to participate such type of energetic events. Prof. Dr. G.P. Vadodaria welcomed all the respected dignitaries and encouraged the students and committee members. Dr.P.K.Brahmbhatt has delivered motivational speech to the gathering. Prof.J.G.Hirpara, organizing secretary, Sanchay2015 proposed vote of thanks.

On 30th September, 2015, Valedictory function has been organized. The participants, staff members, Team leaders of various colleges have attended this program. Shri Arvind Vegda, 'BHAI BHAI fame" Gujarati folk singer was the chief guest for this function. Dr. G. H. Upadhyay, HOD, welcomed Shri Arvind Vegda. Principal Dr G P Vadodaria congratulated committee members and students for the successful completion of 'Sanchay2015'. Mr Arvind Vegda entertained all by singing his popular songs. Prof. Shukla has made effort for successes of function. Prize distribution ceremony was followed. L D college of Engineering was declared as overall champion of fifth Xitij2015 event of Ahmedabad zone.

National Integration Camp

A National Integration Camp was organized by Gujarat Technological University at L.D.College of Engineering, Ahmedabad as the host institute from 21st to 27th September, 2015. Twelve states include Gujarat, Maharashtra, Assam, West Bengal, Uttar Pradesh, Madhya Pradesh, etc. participated in the camp with about 150 students. Inspirational speech delivered by Honourable minister of higher education for the state Smt. Vasuben Trivedi and Honourable education minister Shri Bhupendrasinh Chudasama.Various programs like folk dances, debates, elocution competition, morning yoga sessions were organized during the camp. NIC camp is appreciable by honorable chief minister of Gujarat State Smt. Anandiben Patel

Around 100 girl students and faculties members attended celebration for completion of 50 years of Girl Govt. Polytechnic at it's premises. Honorable CM of Gujarat Smt. Anandi ben Patel and eminent personality delivered inspirational speech on "Women Empowerment" on 20/07/2015. Prof. (Dr.) K.G.Dave, Prof. P.J.Mehta and Prof.Z.B.Parekh have worked as co-coordinator for taking girl students from LDCE to GGP.

Thalassemia Test

A drive to eradicate Thalassemia from the country, L D College of Engineering in coordination with the Red Cross society of India, conducts blood test of all the first year students as soon as they enter the institute. The thalassemia minor students are informed about their status and the consequences of the same. They are also provided counselling by an expert doctor in terms of precautions to be observed at a later stage in life.

Celebration of Bharat Ratna Dr. Babasaheb Ambedkar's 124th Birth Anniversary

L. D. College of Engineering celebrated 124th Birth Anniversary of Bharat Ratna Dr. Babasaheb Bhimrao Ambedkar on 14th April, 2015 at Library in presence of number of staff and faculty members of the institute. The occasion started with lamp lighting by Principal of the Institute Dr. (Prof.)G.P.Vadodaria followed by other dignitaries. Prof. B.N.Suthar, Prof. B.J.Shah, Prof. J.M.Patel, retired Prof.P.I.Rathod and Prof.B.H.Parmar were present for celebration. Shri J.S.Shrimali General Secretary, Laboratory Assistant Association, Shri M.A. Parmar secretary of 'LDCE, Gujarat state technical education, class-III Association'were present and coordinated whole event. Shri B.F.Pandya,General Secretary and President Shri A.K.Maheria, of Gujarat State Technical Education Class-IV, Association were present. High Tea was arranged during the program for social interaction and get together. The celebration was ended by vote of thanks by Shri. A. K. Maherai.

7. M.E. Dessertation

Sr. No.	Title of Thesis	Name of Student	Guide	Department
1	Chitosan based electrospun nanofibres and its application	Saha Pritha	Prof.A.I.Thakkar	Textile Technology
2	An Attempt to Develop High Strength Industrial Belt Using Carbon Fiber – A Technical Review	Sumant Kumar	Prof.P.R.Patel	
3	Comparing the Ring and Rotor Spun After Doubling	Chetan R. Sonkusare	Prof.V.D.Shah	
4	Effect of different fabric construction parameters on comfort related properties of commercially produced denim fabric	Ponda Khusbhu	Prof.A.I.Thakkar	
5	Application of Pultruded Glass and other fibres on Composite	Mahera Hitesh	Prof.P.R.Patel	
6	Effect of PU and PVC coating on fabrics for Technical Textile Application	Patel Jay	Prof.P.R.Patel	
7	Effect of Atmospheric Pressure Plasma on Pilling Propensity of Acrylic Fabrics	Patel Kruti	Prof.V.D.Shah	
8	Analyzing the Effect of Fabric Reinforcement on Some of the Properties of Rubber Diaphragm	Madhani Khusbhu	Prof.A.I.Thakkar	
9	Modeling and Simulation of Coker Fired Heater to Estimate its Run Length	Shah Krunal R	Prof. B.H.Shah	
10	Synthesis of Polyurethane Solution	Pankhaniya Bhavin J	Prof. B.H.Shah Prof. R.N.Desai	Chemical Engineering
11	Recovery of P-Aminophenol from Aqueous solution in manufacturing of P-Aminophenol	Tailor Dishank B	Prof. B.H.Shah	
12	Dynamic Simulation of Ethanol Rectification using CHEMCAD & HYSIS	Pandit Vishva D	Prof. C.G.Bhagchandan	
13	Optimization of Soda Ash Environmental Impact using LCA Tool	Mahida Prashantsinh R	Prof. C.G. Bhagchandani	
14	Seperation of Azeotropic Mixture and Heat Sensitive Material using Freeze Crystallisation	Malaviya Jigar P	Prof. S.B.Thakore	
15	Seperation of Azeotropic Mixture of Isopropy Alcohol and Furfurylamine	Jani Sagar P.	Prof. S.B.Thakore	
16	Sulfonation by SO_3	Rathod Poonam M	Prof. S.B.Thakore	
17	Effect of Calcium Chloride on Seperation of Acetic Acid-Water by Extractive Distillation	Contactor Endrick D	Prof. R.P.Bhatt	
18	Production of Acetic Acid by Fermentation Process	Patel Rutu M	Prof. H.N.Pandya	
19	Simulation and Optimization of High Pressure Catalytic Reactor	Tandel Nirali K	Prof. N.M.PAtel	
20	Cleaner Production in Latex Industries-Implementation of Good Housekeeping	Attaou Manirou Z	Prof. R.N.Desai	
21	Performance Up-gradation of CETP by Adsorption	Yadav Akhilesh R	Dr.S.A.Puranik	
22	New Era of Thermoplastic Vulcanizate Alloy for Sponge Application	Bhatt Gnanu G	Prof. R.N.Desai	Rubber Technology
23	Development of Thermoplastic Elastomer in Automobile Application : High Heat Resistant And Low Oil Swell	Panchal Ronak J	Prof. R.N.Desai	
24	Polymer Footwear for Diabetic Foot Patients	Anjaria Kajal A	Prof. B.H.Shah	
25	Conductivity in White Filled Silicone Rubber	Topdar Treena P	Prof. C.G.Bhagchandani	
26	Parametric study of Grout mix with different admixture using cement fly ash proportion 1:2	Patel Pratik	Prof. M.G.Vanza	Applied Mechanics
27	Effect of sodium silicate on stabilization of medium dense sand with microfine cement grout	Shah Ankita C.	Prof. M.G.Vanza	
28	Influence of pharmaceutical effluent on physic chemical behavior and geotechnical characteristics of soil	Pandya Krupa J.	Prof. M.G.Vanza	
29	Effect of relative compaction on shear parameters of clayey soil of Sabarkantha region of Gujarat	Bodat Anjana R.	Prof. M.G.Vanza	
30	Analysis and design of sub structural system of jetty and its parametric study	Chopra Himesh	Prof. P.G.Patel	
31	Comparative and parametric study of conventional structural system with monolithic structural system	Vora Amal	Prof. P.G.Patel	
32	Effect of Steel Fibres on Concrete with Manufactured Sand as Replacement of Natural Sand	Jayswal Shivang D.	Prof.A.G.Hansora	
33	Wind Analysis of Tall Buildings for Different Aerodynamic Shapes	Gehlot Kailashkumar P.	Prof.A.G.Hansora	
34	Seismic Vulnerability Assessment Of Few Earthen Dams Of Gujarat	Shah Krishna D.	Prof. A.J.Shah	
35	Evaluating the efficacy of mortar prepared by replacing fine aggregate with Industrial waste	Rathod MchulKumar	Prof.P.I.Modi	
36	Analysis, Design And Economic Implications of Tall Pier Bridges Under Seismic Condition	Patel Nirav M.	Prof. D. H. Raval	
37	Co-relation between electrical resistivity and index properties of periodic hydrocarbon contaminated clay	Preeti Tiwari	Dr.M.V. Shah	Applied Mechanics
38	Influence of carbon polymers on shrinkage and swelling characteristics of montmorillonite clays	Deepika Rathore	Dr.M.V. Shah	
39	Influence of rock matrix on strength characteristics of soft to medium hard rock using triaxial compression	Mitesh patel	Dr.M.V. Shah	
40	Model test to determine uplift capacity and settlement characteristics of hollow steel piles embedded in sandy soils	Ashwin Vaghani	Dr.M.V. Shah	
41	Development of Al-Sic composite materiel by powder metallurgy route and machining characterization on EDM	Mihir Patel	Prof (Dr). G.H.Upadhyay	Mechanical (CAD/CAM)
42	Design, Development and Analysis of Salt Core for a Casting of Light Weight Alloys	Vijay A. Radadiya	Prof (Dr) K.G.Dave	
43	Experimental Investigation of Friction Stir Welding on Ultra High Molecular Weight Polyethylene	Kalpesh R. Patel	Prof (Dr) K.G.Dave	
44	Design, Dynamics Analysis and Modification Existing Container Lifting Device used for Solid Waste Management	Himanshu D. Raiyani	Prof U.V.Shah	
45	Design, Analysis and Optimization of LOX Transport tank using Finite Element Method	NiteshR. Chaudhary	Prof U.V.Shah	