

LDCE

NEWS LETTER

Quarterly Magazine

July - September, 2018



L. D. COLLEGE OF ENGINEERING AHMEDABAD-15

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

1.FROM THE DESK OF THE PRINCIPAL



Principal, Dr. G. P. Vadodaria

Dear students and faculty members,

L. D. Institute of Engineering has a reputation of maintaining vibrancy by creating an environment where student can cultivate his prosperity. And the unchanged enthusiasm is remarkable in the quarter of July-September 2018 also.

Departments of the institute are not only mentoring students by arranging Expert lectures series and thus widening students' perspective in their core subjects but also providing expert lectures to encourage entrepreneurship among students. Furthermore, holistic development of the students is promoted by arranging various competitions, industrial site visits, and interaction with research scholars. Besides, Tree Plantation Drive was organized in the month of August to make L.D. green. Moreover, each department of the institute had organized Orientation Program for making 1st year students comfortable in the new environment. Even implementation of Induction program in first year was a considerable one. Electrical Department has designed a program of 40 hours for the Industrial Skill Development of the students titled "Fundamentals of IoT" and "Electric Vehicle Technician"- this initiative is commendable.

I wish all will continue to work enthusiastically for the betterment of the students and institute.

Dr. G P Vadodaria
30th September 2018

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2. PAPERS PRESENTED/PUBLISHED

Applied Mechanics Department

- Dr.M.V. Shah, Parth Shah & Prof.A.R. Gandhi published a paper entitled “Strength and Settlement Characteristics of Low Plastic Soils Treated with Cement Deep Mixing Technique” in 10th International Symposium on Field Measurements in Geomechanics (FMGM 2018) during 17-20 July 2018 at Rio de Janeiro-Brazil, Organized and supported by PUC, GIGB-ICOLD, ISSMGE, ABMS & BGE.
- Dr.M.V. Shah, Prof.A.R. Gandhi & Rahul Parmar published a paper entitled “Model Study on Geocell-Reinforced Recycled Asphalt Pavement (RAP) Bases over Weak Subgrade under Static Loading” in 1st International Conf on Sustainable Mega Infrastructures (SMI 2018) during 10-11th Aug 2018 at Wuhan, Hubei, China, Organized and supported by Norwegian University (NTNU) & University of Alabama.

Civil Engineering Department

- Prof.R.N.Shukla has presented a paper entitled as “Pedestrian risk analysis at undesignated urban midblock section” at 3rd National Conference on Recent Advances in Traffic Engineering(RATE2018) ON 11-12 August 2018 at SVNIT, Surat

Chemical Engineering Department

- A paper published by Prof. S.R. Shah on “Estimation of Mathematical Correlation for flash point and calorific value for blend of biodiesel and Petro-diesel” in “International journal for research in Engineering application and management, Volume 04”, on 6th September, 2018.
- A Paper published by Prof S R Shah on “Determination on cetane number for Palm based Bio diesel and Petro-diesel blends” in the journal “International journal for research in Engineering application and management”, Volume 04 issue 4.
- A paper presentation on “Review on Air Pollution Control Using Bio Diesel” was presented by students of the department under the guidance of Prof Hiral Pandya and Dr Sachin Parikh in a National Seminar on “Pollution Control, Cleaner Production and Chemical Security Program- Issues and Concerns” held on 19th and 20th September at Ahmedabad.
- A Paper on “Thermodynamic analysis and heat integration for hydrogen production from bio-butanol for SOFC application: steam reforming V/s autothermal reforming” published by Prof R.R.Patel in Journal “Energy Sources,

Part A: Recovery, Utilization, and Environmental Effects Volume 40”, Issue 21 on 06 August, 2018.

- A paper on “Feasibility of forward osmosis using ultra low pressure RO membrane and Glauber salt as draw solute for waste water treatment” by Prof S M Dutta in a journal named “Journal of Environmental Chemical Engineering” in the month of September.

General Department

- Dr. H. C. Patel presented a research paper titled “ Effect of slip velocity on the Performance of an infinitely short rough porous journal Bearing” in 1st International Conference on Numerical Modelling in Engineering, 28-29 August 2018 Ghent University, Belgium.

Electronics and Communication Department

- Prof S.B Prajapati’s paper titled “Area and Energy Efficient Series Multilevel Cell STT-MRAMS for Optimized Read Write Operations” got selected in IEEE transactions on magnetic-July 2018.
- Prof S.B Prajapati’s paper titled “Parallel Multilevel Cell STT-MRAMS for Optimized Area Energy and Read Write-Operations” got published in IEEE Journal Vol June-July 2018. One of the figures also got published on the cover of the Journal.
- Prof. P.P Prajapati and Dr. M.V Shah published a paper titled “Performance Estimation of Differential Evolution, PSO and Cuckoo Search Algorithms” in the SCOPUS indexed journal-International Journal of Intelligent Systems and Applications, Vol 10, No.6.
- Prof. P.P Prajapati and Dr. M.V Shah published a paper titled “Automatic Sizing of CMOS based Analog Circuits Using Cuckoo Search Algorithms” in the SCOPUS indexed journal-International Journal of Intelligent Systems and Applications, Vol 16, No.1.

Mechanical Engineering Department

- Prof. Dr. S. M. Mehta has published Paper on “Experimental & theoretical analysis of coiled finned tube the heat exchanger for helium liquefaction plant”. It was presented and published at international conference on cryogenic engineering, held at OXFORD Uni. U.K.

Rubber Technology

- A research paper titled “Multi-objective Optimization using Binary-Real Multi Population Hybridization: Parallel Universe Alien Genetic Algorithm (PUALGA)” was published authored by Prof. R.N.Desai in International journal for research in engineering application &



management ISO: 3297:2007 certified journal, volume 04, issue 06, September 2018.

- Tree Plantation is organized by automobile department on 8/8/2018. Faculties and student have actively participated and planted 30 saplings.

3. DEPARTMENTAL ACTIVITIES

Applied Mechanics Department

- IGS chapter session meeting was conducted on 6/9/2018. The members were present: Prof. A.R. Gandhi, Dr. H.S. Patel, Dr. C S Sanghvi, Dr. M.V. Shah, Prof. S.R. Singh
- The following points were discussed:
Industrial and Academic interaction forum soon going to be establish.
Every year in April month, in commemorative of Dr. R.C Sonpal, lecture series will be arranged.
At least four activities will be conducted, i.e Seminar, Lectures, Symposiums on recent development in geotechnical engineering field.
Student Chapter will going to organized, in which active participation of young engineers (UG&PG) by arranging lecture series, quiz competition, site visit, and interaction with research scholars.
- Tree Plantation Drive was organised on 16th August 2018 to make L.D. green. This drive is in reference to the letter received from principle cabin ref no:LDCE/Civil/Tree Plantation/2215.Trees like Tulsi, Karen, Neem and Saragvo (Drumstick) were planted around the department. All the faculty and staff members participated in this drive with full enthusiasm.

Automobile Engineering Department

- Prof. R J Choube and Prof. J P Vasani have coordinated department level project presentation for SSIP, 4 Startup projects were presented by students team of Automobile Department.
- Expert lecture by PCRA was organized on 201/7/20118 for first year students and on 27/7/2018 for 5th and 7th sem students. More than 75 students were present.



Chemical Engineering Department

- Mr. Sachin Sehgal delivered an expert lecture on “Personality development for campus placement” on 19/07/2018 for the 5th Sem students.
- Mr. Nirmal Kumar of G-Auto delivered an expert lecture on “Entrepreneurship as a career option for engineering students” for Chemical Engineering students (all semesters) on 21/07/2018.
- Dr. Prakash Mehta delivered an expert lecture on “Application of Silane chemistry for Chemical Engineering” for B.E Sem 5 and 7 students on 10/08/2018.
- Prof. Manan Shah of PDP, Gandhinagar delivered an expert lecture on “Career building for Chemical Engineering students” for all semesters on 04/08/2018.
- Steering committee meeting of Co-Anchor institute was held on 17/07/2018 at Chemical dept chaired by Dr. Sachin Parikh. Two industry patrons, Shri Mayank Parikh and Shri Hemal Sheth and two representatives from CED, Shri Krushna and Shri Harshil were present along with all faculty members of the Chemical department.



- Orientation program for 1st year B.E students of Chemical Engineering was organized on 19/07/2017. Shri. J. K. Vyas, Head, Industrial Pollution Prevention Division, CEE, Ahmedabad was the chief guest.
- A tree plantation event was organized by the first year students of Chemical department on 1st Aug, 2018. The event was sponsored by Ultratech Cement Limited. High level officials of Ultratech cement along with students and faculties of Chemical department planted more than 100 saplings in the campus. Dr. G. P. Vadodaria,
- Principal, LDCE attended the event and encouraged the students.



- Dr. Dipak Kunzru, Professor (Retd) IIT-Kanpur and currently Professor in Ahmedabad University delivered an expert lecture on "Catalysis and its application in Petroleum Refining" for B.E Sem 5 and 7. students on 17/09/2018.



- Dr. Samir Dalvi, Asso. Prof in IIT-Gandhinagar delivered an expert lecture on "Drug delivery and Microbubbles" for B.E Sem 5 and 7 students on 18/09/2018.

- Dr. Jaimin Vasa, President GCCI and President CIA, addressed the undergraduate chemical engineering students on "Opportunities for chemical engineers in changing global scenario" on 25/09/2018. He also supported the tree plantation initiative of chemical department. The event was also attended by Dr. G. P. Vadodaria, Principal, LDCE.



- An industrial visit has been organized for third semester Students at Common Effluent Treatment Plant (CETP) Naroda on 29th September 2018. Around 36 students were exposed to CETP plant and benefited with practical exposure in the field of water treatment.



Electronics and Communication Department

- Department had organized an expert lecture on "Ham Radio" delivered by Mr. Rajesh P. Vagadia along with practical demonstration, at EC department L. D. College of Engg, Ahmedabad on 13-7-2018.



- Department had successfully organized the orientation of first year EC students on 27th July 2018.
- Department had organized an expert lecture on “Basics of IoT” on 27/7/18. The lecture was delivered by Mr. Dharmendrasinh Parmar at Bhaskaracharya hall, EC Department.



- Carrier Launcher had conducted common aptitude test for BE EC students on 27/7/18 at EC department.
- The department had organized many activities for the first year EC students under the induction program. Department had organized one day industrial visit to L.D museum (Department of Indology) and SAC-ISRO Ahmedabad.



- 25 students of 7th Semester from the department have successfully completed Finishing school.
- Department had invited Dr. Ravi Sheth and Prof. Priyank Parmar from Rakshashakti University for an

expert lecture on Cyber security on 26th September, 2018 at Bhaskaracharya Hall, EC department.

Environmental Engineering Department

- Environmental Engineering Department has organized an Expert Lecture on “Technological Innovations & advancements in the field of environmental engineering” by Dr. D. J. Parikh, Ex. Dy. Director, National Institute of Occupation Health (NIOH), Govt. of India on 24/09/2018 (Monday) under SSIP Cell, L. D. College of Engineering. 90 no. of students (UG & PG) attended this lecture.



- Environmental Engineering Department has organized an Expert Lecture on “Energy Conservation” by Petroleum Conservation Research Association on 30/07/2018 for BE sem-7 students.



Electrical Engineering Department

- The Department has started Industrial Skill Development program on 40 hours on “Fundamentals of IoT” and “Electric Vehicle Technician”.
- The Department has organized the IEEE Student Branch Orientation program on 7th July, 2018 for all branch students.



- Tree plantation was done by the Department in the front area and internal wings area during 31st July, 2018 to 4th August, 2018.



- The dept. has organized One Week Short Term Training Programme on “Measurement, Trouble Shooting and Quality Testing of Electrical Equipments during 28th May, 2018 to 1st June, 2018. Dr. V J Upadhyay, Dr. U L Makwana, Prof. V R Patel coordinated the STTP. Dr. C D Upadhyay, Prof. M G Patel and Prof. G B Buch were the co-coordinators of the STTP. 42 faculty members have participated in this training.

Mechanical Engineering Department

- Tree Plantation event at the department was organized on 08th August, 2018. All the students and faculty members participated with full enthusiasm.



- “Boiler operation engineers”, State level exam was conducted by Mechanical Engineering department.
- Lecture of vice president American Society of metals, Mr Frederick Schmidt, was organised on “Introduction to failure analysis” at COE welding.
- After retirement of Dr. G. H. Upadhyay sir, department organised a warm welcome party for Dr. S. M. Mehta madam as a head of department.
- Dushera celebration - Pujan of all machineries and get together was held.



- Industrial visit was arranged for the students of Vth semester on 28-9-18 at Windsor Machines Vatva.
- MOU with Prasad Group was signed on 24-08-2018 between L.D.College of Engineering and Prasad Group of Industries.

Plastic Technology

- Expert lecture under Indian Plastic Institute (IPI), Students Chapter was arranged on 05-07-2018. Mr. Apoorva Parikh from Milacron India Pvt Ltd on “Counter Rotating Twin Screw Extruders” and Mr. Bhavesh Jogi from Prasad group delivered a lecture on “Material Handling Automation”.
- A series of lectures by experts from Prasad Group were delivered. Mr. Nitin Pandya delivered a lecture on “Pneumatic Conveying systems” on 16-7-18, Mr. Vishal delivered a lecture on “Chiller Plant” on 10-8-18 and Mr. Amit delivered a lecture on “Granulators” on 27-8-18.
- Industrial visit was arranged for the students of VII semester on 20-7-18 at Prasad Industries Vatva, Automatic Feeding Devices Plant.
- Industrial visit was arranged for the students of Vth & VIIth semester on 29-8-18 at Prasad Industries Vatva, Chiller Plant.



- Under SSIP an Expert Talk by Mr. Nishant Upadhyay was arranged on “Innovation and Start up in Plastic Industry” on 08/10/2018.



- Industrial visit was arranged for the students of Vth semester on 19-9-18 at Ravi Plastics Vatva.





- Lecture on “Personality development” by Senior Guide from Oneness University , Chennai was arranged on 30/08/2018. Students got a new insight on different states of mind which can help them create a life of success in career.



- An expert Lecture series organized for M.E. Sem I Rubber Technology Students on “Simulation of continuous stir tank” by Prof. N M Patel during September, 2018.
- Prof. R.N.Desai, Prof. A.D.Bhatt, Prof. B.D.Patel, Prof. S.J.Padhiyar, Prof. R.Y.Modan, Prof. G.G.Bhatt & Prof. P.N.Chavda actively participated in Tree plantation event organized at L. D. College of Engineering on 1st August, 2018.
- A visit at ISRO, Ahmedabad was arranged for the students of B.E. Sem-I on 7th August, 2018.



- An Industrial visit at M/s. Pravin Rubber and Engg. Works, Bapunagar was arranged for the students of B.E.Sem-V on 29th September, 2018.



Rubber Technology

- An expert Lecture organized for B.E. Sem III, B.E. Sem V and B.E. Sem VII Rubber Technology Students on “Importance of setting Goal and career advancement” by Career Launcher team, on 8th August, 2018.
- An expert Lecture series was organized for B.E. Sem VII Rubber Technology Students on “Design of Dock fender” by Mr. Atul Shah, MD of Pioneer Rubber Industry during July, 2018.
- An expert Lecture series was organized for B.E. Sem V Rubber Technology Students on “New design of injection moulding machine and its components” by Mr. Ronak Panchal, MD of Panchal Rubber Industry, during month of August, 2018.

4. FACULTY ACTIVITIES

Applied Mechanics Department

- The following faculties delivered expert talk during the “Two way Video Conference Training Program entitled “Emerging trends in Structural and Geotechnical Engineering (ETSGE 2018):



Dr. C.S.sanghvi	Earthquake Resistant Design & Construction & Importance of Experiments in Earthquake engg on 31.7.18
Prof. P.G.Patel	Performance Based Design
Prof. D. R. Tara-chandani	NDT & its applications
Prof. K.A.Parmar	Advances in Cold Form Steel Structures
Dr.M.V.Shah	Ground Improvement Techniques

- Prof. C.D.Patel, Prof. P.I.Modi, Prof. S.R.Singh and Prof. N.A.Bhavsar have attended the program from 30/7/18 to 13/8/2018.

Automobile Engineering Department

- Prof. V R Patel and Prof. J P Vasani have coordinated orientation programme for first year students.

Chemical Engineering

- Prof S R Shah had served as convener in a one-day workshop on "Present trends in Heat Exchanger Design" on 22nd August 2018 at Bhaikaka Bhavan, Law Garden, Ahmedabad.
- A one day workshop on "Preparedness of NBA Accreditation" was organized by NBA core committee members, Dr Sachin Parikh, Prof Amar Vaghela and Prof Ronak Patel, on 1st September 2018 at Arya Bhatt Hall, LDCE in the presence of chief speakers, Dr Chetan Bhatt and Dr Ketan Badgujar.
- Prof S R Shah served as Organizing Secretary in National Seminar on "Pollution control and cleaner production" Indian Institute of Chemical Engineers on 19th and 20th September ,2018

Civil Engineering Department

- Prof. R.N.Shukla has delivered an expert lecture on "Road safety scenario and Audit" at R & B Staff Training College ,Gandhinagar on 13th August 2018 during one day training on "Road Safety"
- Prof. R.N.Shukla has delivered an expert lecture on "Road safety scenario and Audit" at R & B Staff Training College ,Gandhinagar on 6th September 2018 during one day training on "Road Safety"

Computer Engineering Department

- Department Organized an Orientation Program the first year B.E. Students of the computer department on 19th July 2018. The Chief Guest of the event was Mr. Deep Patel, COO at Zybra Private Limited, Curator at Ahmedabad Global Shapers and founder and director at InterestShip. All the faculties along with the honourable HOD, Prof. Dr. D.A.Parikh were present. To make the programme interesting for the students some acts were also presented by the seniors in the midst of the orientation. After the event concluded, Student were taken for college tour.
- The Department organized a Visit for First Year B.E. students to "Science City" on 26th July 2018, Thursday as a part of Induction program. There were almost 70 students who joined the visit. There are lots of things at science city to learn and students got knowledge and new experience by the visit of science city



- Organized one Day workshop on "Big Data, Hadoop and Its Core Components with IOT" on 25th September 2018. Experts were from People Technologies and C-DAC, Ahmedabad .



- Department has organized “Student Startup Awareness Program” On 28th September, 2018 . Dr. D.A.Parikh ,Head of the Department has felicitated expert Mr. Jatin Chaudhry from eChai Venture ,Ahmedabad. Mr. Jatin has delivered an inspiring talk on same topic for young innovators. Session was quite interactive. Students startup team Roshan Rawal, Dhruvi Mehta and Sunil Chauhan has demonstrated their project called “Exposit”. More than 55 students have registered for the seminar .Along with the students majority of faculty members took an advantage. SSIP Departmental Coordinator team: Prof. H.A.Joshiara, Prof. K.A.Patel and Prof. V.B.Vaghela has successfully coordinated the event.



- Department felicitated Mr. Amit Panchal, Co-Founder, AllEvents.in and alumina , on Engineer’s Day Program on 15th September 2018.

Electronics and Communication Department

- Prof. Usha Neelakantan addressed the first year students during the health check up camp organized by NSS LDCE on 20th September 2018.



- Prof. Usha Neelakantan, Prof. A.B Nandurbarkar, Prof. K.G Vaghela and Lab assistant Shri A.B Nakrani attended one day seminar organized by Tektronix at Hotel Courtyard Meridian, Ahmedabad on 9th Aug, 2018.
- Prof. Usha Neelakantan (Convener) addressed the orientation of LDCE Prakalp Club. The orientation was coordinated by Prof K.R Sheth (Coordinator) LDCE Prakalp Club on 7th August 2018 at Aryabhata Hall.
- Prof. M.V Shah coordinated the CM event for launching of Industrial Hackathon, Startup awards and Summer Innovation Challenge awards distribution on 10th September 2018 at GU Convention Center.
- Prof. A.B Nandurbarkar provided services as an expert at UPSC, New Delhi on 2nd and 3rd July-2018.



- Prof. A. B Nandurbarkar organized an IEEE AP/MTT Seminar on “Ham Radio” in association with IEEE AP/MTT Gujarat section.
- Prof. A. B Nandurbarkar designed GTU New syllabus for ME (CSE).
- Prof. A. B Nandurbarkar participated in the NBA workshop organized by Directorate of Technical Education, Gujarat on 1st September-2018.
- Prof. Sima Gonsai coordinated the tree plantation activity organized at the department to promote green campus on 31st August 2018.
- Prof. Sima Gonsai has coordinated the expert lecture on Cyber Security.



Electrical Engineering Department

- M. R. Vasavada has taken Expert lecture taken at CERC, Ahmedabad under ENVIS Resource Partner of MoEF & CC New Delhi, on energy efficiency of electrical home appliances on 09th July, 2018.
- Dr. C. D. Upadhyay has delivered an expert talk on “Electric Vehicles” at GPERI, Mehsana on 12th July, 2018. Dr. C. D. Upadhyay has delivered an expert talk on “Electrical Noise” at TORCH-CERC, Ahmedabad on 9th July, 2018.

Information Technology Department

- An industrial visit was organized at eInfochips, an Arrow company and a leading global provider of product engineering and semiconductor design services, Ahmedabad for the students of 7th semester of Information Technology Department. About 85 students accompanied by two staff members Prof. M. B. Patel and Prof. A. C. Patel visited the company on 16/07/2018. Mr. Nilesh Ranpura, Representative from the company assisted the students throughout the visit. He informed the students about history and products of the company. Then students visited Experience zone of the company which have various product demo like AVIONICS, Healthcare, video management software and security & surveillance, Access Control, IOT Gateway, Home automation, automotive, Industrial Automation, ASIC, Robot Crawler and 3D holograms. Visit of eInfochips was very interactive.

- An Industrial visit was organized at widely known plasma based research institute - FCIPT (Facilitation Centre for Industrial Plasma Technologies) and IPR Extension Laboratory for the students of 7th semester of Information Technology Department. About 26 students accompanied by three staff members Prof. B. B. Panchal, Prof. P. R. Patel and Prof. Vidisha Thakkar visited the company on 09/07/2018. During the visit of FCIPT, Mr. A. Satyaprasad (Scientific Officer) from the company assisted the students throughout the visit. He informed the students about history, mission, vision and technologies of the company. He explained about various plasma based research activities conducted at IPR. He brought the students to visit various laboratories and explained them about Industrial, medical and other societal applications of plasma.



- As a part of an Induction program, department had arranged an Industrial visit for 1st year students at ISRO (Indian Space Research Organization) on 24th November. In this visit, ISRO volunteers explained them the componential parts of the satellites. Their speakers explained to our students the importance of rocket science as well as informed them about the origin of ISRO. They were taught about the launching vehicles of ISRO namely as PSLV and GSLV. The main news to understand was the successful journey of

Mars Orbital Mission (MOM). They got to see the ideas that were foundation of our country's contribution and performance in space science and exploration. This event resulted in inspiring them to contribute more and more in the fields which hold their interests.



- On 13th August 2018, an expert talk on "Java Gap Analysis" was conducted by pass out student Mr. Kushan Dave, in which he cleared various doubts of students & shared real industrial programming experience with them.



- On 7th July 2018, "Web Development & Cloud Hosting workshop" was organized at Department by ManticHost. Around 50 students participated in it. Ujjval Bihola and his team addressed the students. Free web hosting was also provided to every participant so that students can practice & learn further.



- Department had arranged the "dustbin making competition from waste to best" to encourage and aware students about cleanness and also to cultivate their innovative ideas.

Mechanical Engineering Department

- Prof. S.S.Pathan has submitted a Ph.D thesis at Indian Institute of Technology, Bombay On 21st August, 2018.



- Prof.A.G.Momin has taken an expert lecture on “Importance of Material in Various Engineering Field”at F. D. Mubin College of Engineering, Gandhinagar on 30th July, 2018.
- The Department had arranged emotional farewell party of departmental respective faculties and staff members Dr. G. H. Upadhyay, Prof. P. D. Solanki, Mr. Ashokbhai, and Peon Mr. Yadavbhai in Mechanical workshop on 27th July, 2018.



Rubber Technology

- Prof. R.N.Desai has arranged the Pedagogy meetings with Mr. Darshan Shah, M.D of Rubber Concept for “Advanced technologies for production of Eco-green Rubber Products” on 20th August 2018. Prof. A.D.Bhatt, Prof. B.D.Patel, Prof. S.J.Padhiyar, Prof. R.Y.Modan, Prof. G.G.Bhatt & Prof. P.N.Chavda attended the meeting.
- Prof. R.N.Desai has arranged the pedagogy meetings with Mr. Prakash Patel, MD of Agile Rubber Products for “Thermoplastic Vulcanizate products” on 11th July, 2018. Prof. A.D.Bhatt, Prof. B.D.Patel, Prof. S.J.Padhiyar, Prof. R.Y.Modan, Prof. G.G.Bhatt & Prof. P.N.Chavda attended the meeting.
- Prof. R.N.Desai has arranged the pedagogy meetings with Mr. C.G.Pandya, Ex- Aeronautical Air force Technical Engineer for “Industrial safety in Rubber Industries” on 14th August, 2018. Prof. A.D.Bhatt, Prof. B.D.Patel, Prof. S.J.Padhiyar, Prof. R.Y.Modan, Prof. G.G.Bhatt & Prof. P.N.Chavda attended the meeting.
- Prof. R.N.Desai has arranged the pedagogy meetings with Mr. Hardik Yaji, M.D. of Shri Sidhdivinayak Engg. Company for “Mould Design for Rubber Products” on 3rd August, 2018. Prof. A.D.Bhatt, Prof. B.D.Patel, Prof. S.J.Padhiyar, Prof. R.Y.Modan, Prof. G.G.Bhatt & Prof. P.N.Chavda attended the meeting.
- An Industrial visit of M/s. Pravin Rubber and Engg. Works, bapunagar was arranged for the students of B.E.Sem-V (Rubber Technology) on 29th Septmeber, 2018.
- Students of B.E. Sem I visited the Truck trailer Expo, Mahatma Mandir, Gandhinagar on 4th August, 2018.

Plastic Technology

- Prof Bharati Basantani was invited as an expert in the interviews for recruitment in Amul Industries Ltd.
- Prof Hetal Shah and Prof Stuti Shah accompanied the students for an Industrial visit on 20-7-18 at Prasad Industries Vatva, Automatic Feeding Devices Plant.



- Prof. Kintu Jain accompanied the students of Vth and VIIth sem for Industrial visit at Prasad Industries, Windsor Machines and Ravi Plastics.



- An Industrial visit of M/s. Eagle Foam Industries, Odhav GIDC was arranged for the students of B.E.Sem-V (Rubber Technology) on 29th Septmeber, 2018.



- An Industrial visit of M/s. Vaibhav Industries, GIDC Vatva was arranged for the students of M.E.Sem-I (Rubber Technology) on 18th Septmeber, 2018.

Textile Technology

- Prof.P.R.Patel and Prof.K.J.Ponda attended the inauguration of Industrial Hackathon 2018 on 10th September 2018 at Gujarat University Convention and Exhibition Centre Ahmedabad.

5. STUDENTS' ACTIVITIES

Automobile Engineering Department

- 68 students of Automobile department have visited BRTS Workshop Chandola, Ahmedabad on 7/7/2018.
- Inquisitive mind quiz test was conducted on 7/8/2018. 65 students have participated in it.
- Mock Placement, Group Discussion and Interview were conducted for final year students. 50 students have actively participated in it. This was organized during 25/6/2018 to 30/6/2018.
- SAE LDCE club orientation was conducted on 20/08/2018, more than 120 students have participated in it.



- Expert talk on How to face interview is conducted by Career Launcher on 10/08/2018 80 students have taken advantage of it.

Chemical Engineering

- Career Launcher conducted a half day career counselling session for the final and pre-final year undergraduate students of chemical engineering on 25/07/2018.
- 11 students of chemical branch participated in one day workshop on "Implementation of Hazardous waste rule 2016" on 09/06/2018 at Institute of Engineers, India at Bhaikaka Bhavan.
- 9 students attended a "National Seminar on Pollution control and cleaner production", and one of our students presented review paper on "Air pollution control using bio-diesel" by Indian Institute of Chemical Engineers on 19th and 20th September ,2018

Civil Engineering Department

- Technical Visit: Students of Semester VII of B.E (Civil) has visited Vasna Barrage site on 18 September, 2018. Total 98 students along with four staff members Dr. (Prof.) V.M. Patel, Prof. R.M. Jadav, Prof. J.P. Modi and Prof. Z.M. Shaikh were present.



- A technical visit: Students of Semester V and VII of B.E (Civil) has visited Narmada Dam site on 28 September, 2018.Total 204 students along with six staff members Dr. (Prof.) R.B. Khasiya, Dr. (Prof.) V.R. Patel, Dr. (Prof.) V.M. Patel, Prof. R.N. Shukla, Prof. R.M. Jadav, Prof. S.C. Rathod were present.



Electronics and Communication Department

- EC students were instrumental in the successful execution of first year orientation.



- Rashi Desai, Shivam Khandelwal and Mandar Kaluskar of 7th semester have successfully filed patent and it got accepted by the Indian Patents Office for their project titled 'Livable Floor Energy (LiFE)' on 24th August 2018.
- Milan Panchal of 7th Semester has participated in GTU Innovation Council Student Associate Felicitation Program on 31st August 2018 at H T Parekh Hall, AMA, Ahmedabad
- Pranav Shukla of 5th Semester has been selected as IPP (Immediate Past President), Rotaract Club of Gandhinagar and is also one of the members of Board of Directors.
- 14 Students from 5th Semester conducted a one day workshop on "Getting Started with Amazing Electronics" for 3rd semester and 1st semester students. Around 80 students attended the workshop with hands on sessions. The workshop

was conducted on 20th September 2018 at EC department.

- Four students from the department have been awarded with Shri Devang mehta IT Awards 2018 Certificate of excellence top ranker 2018. Gupte Nihar, Rutva Sanghvi, Utsav Gandhi, and Osmi Jaiswal.



Environment Engineering Department

- 75 students of B.E. (Sem-5) & ME (Sem-1) Environmental Engineering visited Water Treatment Plant, Kotarpuron 15th September 2018.



- 70 students of B.E. (Sem-7) Environmental Engineering visited Common Effluent Treatment Plant (CETP), Vatvaon 4th August 2018 (Saturday).



- The department has organised students Industrial visit ISRO Exhibition Centre, Ahmedabad for First year mechanical Student on 03th August, 2018. Dr.P.R.Rathod, Prof.H.P.Patel, Prof.A.G. Momin, Prof.K.A.Patel has coordinated this industrial visit.



- Final year mechanical student has also given a farewell to respected Dr.G.H.Upadhyay on 30th July, 2018.



Electrical Engineering Department

- Students of Final year have visited Swati switchgears ltd. Bavla, Ahmedabad on 14th, 15th, 21st and 22nd September, 2018. Prof. L. K. Kataria., Prof. M. R. Vasavada, Prof. H. N. Raval and Prof. M. G. Patel have accompanied students during the industrial visit.



Information Technology Department

- Megha Brahmbhatt, 7th semester student of IT department has successfully completed one full year with Viacom 18 for its marquee brands – Vh1, Comedy Central, Colors infinity, MTV ,MTV Beats and Colors under Vh1 Represent, a youth influencer program by Viacom 18.

Mechanical Engineering Department

- The department has organised One day Industrial visit at sardar sarovar Hydro-Power plant, kevadiya colony Dist: Narmada on 02th July 2018 there are 132 Mechanical Students have participated.
- The department has organised students Industrial visit at Synergy Agro Tech, Gandhinagar, on 07th July, 2018. Dr.S.M.Mehta, Prof.H.A.Shukla and Prof.A.G.Momin has coordinated this visit.

Plastic Technology

Students from 3rd, 5th, and 7th semester attended “Gujarat Industrial Hackathon 2018” organized at Gujarat conventional hall on 10/09/2018.

Textile Technology

- Students of B.E. Sem VII along with Prof. Selin Joseph visited the Sintex Industries BVM Kalol on 10th and 12th September, 2018.

6. COLLEGE ACTIVITIES

MEGHDHANUSH V organized by AdvanatureClub, LDCE

- AdvanatureClub of LDCE works towards enhancing environmental awareness, heritage conservation and sense of adventure among young individuals. Every year a poster making competition 'Meghdhanush' is organized to serve the purpose of environment awareness.
- Meghdhanush V was an amalgamation of interschool as well as intercollege drawing competition held on 6th - 7th of September 2018 respectively. This endeavor received an overwhelming response from both schools and colleges and was peacefully conducted with 400+ participation. Media Coverage of MEGHDHANUSH event in Sandesh, Ahmedabad edition dated 12/09/2018



SSIP

- Applied Mechanics Department with support of SSIP, Gujarat Cell, LDCE organized an Motivational Talk on "Entrepreneurship Opportunities in Civil Engineering" by expert speaker Shri Rakesh H. Shah, Managing Director, S3M Design Consultants LLP, Ahmedabad as a part of SSIP awareness program on 29th Sept 2018, VS Hall, AMD. More than 118 students of 3rd & 5th Sem Civil Engg attended the program along with faculties. The program was coordinated by Dr.M.V. Shah & Prof. P.J. Mehta.

AWIM

- AWIM Teachers and Volunteer training programme under SAE WS Gujarat Division is organized on 30/08/2018. 40 students and 10 faculties from various institutes have attended it.
- AWIM A world in motion city Olympic is hosted by L D College of engineering and coordinated by Automobile Engineering Department under SAE WS Gujarat Division, was organized on 30/09/2018. 26 teams from 13 schools have participated in the event.



પેઇન્ટિંગ કોમ્પિટિશનનું આયોજન કરાયું



LD કોલેજમાં કાર્યરત એડવેન્ચર ક્લબ દ્વારા પર્યાવરણ જાગૃતિ ફેલાવવાના કાર્યક્રમ અંતર્ગત ઈન્ટર કોલેજ પેઇન્ટિંગ કોમ્પિટિશનનું આયોજન કરવામાં આવ્યું હતું. જેમાં વર્લ્ડ યુ

મે લાઈક, ઈગો અને ઈકો, બીટ ડી પ્લાસ્ટિક, એનર્જી કન્ઝર્વેશન જેવા સબ્જેક્ટ પર ૪૦૦ જેટલા સ્ટુડન્ટ્સે પાર્ટિસિપેટ કર્યું હતું.

GANDHI JAYANTI CELEBRATION

- As part of celebration of 150th birth anniversary of Mahatma Gandhi. "A play on Gandhi" competition was held on 28/09/18 at 4:00 pm WRM, Seminar Hall, LDCE, Ahmedabad in the presence of Students, Faculty members and Judges.





NSS

- *Digital Literacy Seminar 7th July, 2018*
As a matter of fact Digitalization is the one of the most requirement of the 21st century. Hence, NSS LDCE organized a seminar on “Web Designing” for the students in campus, a step ahead in Digital Literacy.
- *Blood Donation Camp 25th – 26th July, 2018*
The Blood Donation camp is an initiative towards the betterment of the society where our needy brother/sister can easily get the blood when required. The blood donation camp was held on 25th and 26th July, 2018 where the students as well as the faculty members donated blood for the noble cause. About 562 bottles were collected at the blood donation camp. Blood Donation camp was coordinated by Darshan Nayak and Daminee Patel.
- *Orientation to NSS*
The week long session included:
Traffic awareness by members of Ahmedabad Traffic Control Committee (ATCC)
Orientation to activities of NSS in the campus- The overview of NSS unit is explained to the newly enrolled volunteers and their selection is being done by some criteria.
Awareness regarding Thalassemia.-Thalassemia is very crucial if the necessary actions are not taken towards it then it might ruin you. So, GTU has made thalassemia test drive a compulsory test for newly enrolled students so that they can be cured if their test is positive. Thalassemia Checkup of about 950 newly enrolled students.
- *Young India @ 71 – Panel Discussion 2nd August, 2018*
A special Audience Interactive Program entitled “Young India @ 71” of DoorDarshan News was organized and recorded at Sabarmati Ashram, Ahmedabad. The idea was to get a pulse of the young

people on India on the occasion of 71st Independence Day celebration. The volunteers attended the session under the guidance of Regional Director, Shri Kamal Kumar Kar organized by DD news at Sabarmati Ashram.



- *Health Checkup 6th -10th August, 2018*
As Health is the first priority of any living being so concerning it as well NSS LDCE had organized a Health Checkup in collaboration with E-Swasthya and about 1000 students and faculties of the college were diagnosed for free by the doctors.



- *Sports Meet 10th -11th August, 2018*

A total of 11 sports were organized in the campus & coordinated by 24 sport-coordinators. About 850 students participated in the meet and were felicitated on Independence Day. These events were organized by NSS unit of LDCE and coordinated by Rahul Surana and Parixit Dedun.

- **Swachhta Pakhwada 1st – 15th August, 2018**

The 15-days programme of cleanliness included: Swachhta Oath taken by 750 students, Cleanliness Drive by volunteers at Heritage sites, Cleanliness rally in campus, Door to Door awareness campaign, Cleaning of laboratories and classrooms as well as Tree plantation and Weaving Khadi initiative.

- **Independence Day Celebration 15th August, 2018**

The celebration included Traffic Awareness Rally @ 9:00 am led by the principal sir. It was followed by Flag Hoisting Ceremony. Col R K Vora remained present as a Chief Guest of the celebrations and gave motivational speech on the occasion. Dr G P Vadodaria had also addressed the audience & gave appropriate message. NCC Cadets & NSS Volunteers have showcased the spirit of NCC & NSS through well-disciplined parade. Parade was followed by Cultural performances by the students. Merit Prizes were given to children of faculty/staff members for their excellent academic performance by the Credit Society of the Institute.



- **Alfaz-Kuchh Lamhe Khudke Naam 21st August, 2018**
An open mic evening was organized to enhance the hidden talent of the students and aware the audience about the current affairs. The event included donation collection for the flood victims and the activities such as Poetry recitation, standup comedy etc. This event is Organized by NSS LDCE and coordinated by Ujjawalsing Bihola, Darshil Chauhan and Mayur Trivedi.
- **Mann Ki Baat 26th August, 2018**
Mann ki Baat is an Indian program initiated by our Honorable Prime Minister Shri Narendra Modi in which he addresses the people of the nation on All India Radio, DD National and DD News. The Volunteers attended Mann Ki Baat's 47th episode which was telecasted as well as recorded in college campus. Kerala Flood Relief work of NSS LDCE was appreciated on DD Gurnar Channel



- *Teachers' Day Celebration 5th September, 2018*
Teacher is the Pioneer of anyone's life and as gesture of gratitude the volunteers thanked all 270 faculties of 15 departments of L. D. College of Engineering with scrolls and our traditional Tilak.



- *Seminar on Women Health and Mental Well-being (6th September, 2018)*
One day Seminar on Women Health and Mental Well-being was organized on the occasion of National Nutrition Week's. Expert lecture were delivered by Dr. Darshana Thakker, Gynecologist and Ms. Manisha Pathak, Motivational Speaker.



- *Election Commission SVEEP Meeting 10th September, 2018*
The campus ambassadors attended the meeting at deputy collector of Ahmedabad's office where SVEEP activity was guided. Dev Tank worked as a Campus Ambassador.



- *Madhish- Acknowledging Treasures 15th September, 2018*
We celebrate 15th September as Engineers day in the memory of M Visveswaraya. 15th September is also celebrated as the birthday of our NSS unit with a new zeal and enthusiasm. It is celebrated with talent

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L. D. COLLEGE OF ENGINEERING AHMEDABAD-15

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exchange program with specially abled children of the society. It was celebrated at "ApangManavMandal".

- *Eye-Checkup 16th – 20th September, 2018*

A free eye-checkup for all the students, faculties and staff of the college was conducted between 16th to 20th September in association with Vasan Eye Care. More than 1000 students were benefitted through the camp.

- *Green Campus activity 19th September, 2018*

GTU has provided 20 cycles to the institute which was inaugurated by the Vice Chancellor of the Gujarat Technological University, Dr. Navin Sheth. Faculty members & students have initiated the concept of eco-friendly campus through cycle ride. Dr G P Vadodaria & Dr. Sachin Parikh have also addressed the occasion.





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

Sr. No	Titles	Faculties	Department	Venue	Duration
01	Advances in Nano Technology	Prof. Kintu P.Jain	Plastic Technology	NITTTR, Extension centre, Ahmedabad	09-07-2018 to 13-07-2018
02	Induction Training (Phase-I)	Prof. Hetal C.Shah	Plastic Technology	NITTTR, Extension centre, Ahmedabad	30-07-2018 to 10-08-2018
03	Truck trailer expo	Prof. A.D.Bhatt, Prof. R.Y.Modan, Prof. G.G.Bhatt & Prof. P.N.Chavda	Rubber Technology	Mahatma Mandir, Gandhinagar	4 – 8- 2018
04	Asia Labex- The laboratory show	Prof. R.N.Desai, Prof. A.D.Bhatt, Prof. B.D.Patel, Prof. S.J.Padhiyar, Prof. R.Y.Modan, Prof. G.G.Bhatt & Prof. P.N.Chavda	Rubber Technology	Gujarat University Convention Centre, Ahmebabad	27-9-2018 to 29-9-2018
05	Speech Production	Prof. A.B Nandurbarkar	Electronics and Communication Department	DAIICT, Gandhinagar	9-9-2018 to 11-9-2018
06	STTP on “Multi-Sim for Digital circuits and MCU	Prof. P.P Prajapati	Electronics and Communication Department	NITTTR, Bhopal	24-09-2018 to 28-09-2018
07	Faculty Development for Teachers of Technical Courses	Prof. A. G. Hansora	Applied Mechanics Department	IITE, Gandhinagar	23-09-2018 to 28-09-2018.
08	Low cost building materials and Construction technologies (CE-5)	Prof. B. R. Patel	Applied Mechanics Department	NITTTR, Bhopal	06-08-2018 to 10-08-2018
09	Induction Phase - I	Prof. S. R. Singh	Applied Mechanics Department	NITTTR, Bhopal	20-08-2018 to 31-08-2018
10	Beyond the classroom	Prof. T.R. Patel	Electrical Department	IITE Gandhinagar	11-09-2018 to 16-09-2018



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8. M.E. DESSERTATION

SR. NO	TITLE OF THESIS	NAME OF STUDENT	GUIDE
ENVIRONMENT ENGINEERING			
01	A Study of Potential for Solvent Recovery in Laminate Industry	Chandorkar Archit	Prof. Dimpi Shah
02	Treatment of Pesticide Industry Effluent by Ozonation	Chaudhari Uttejana	Prof. Bina Patel
03	Biomonitoring of Fatewadi canal water using benthic macroinvertebrates for irrigation water quality assessment	Chaudhari Viralkumar	Prof. Minarva Pandya
04	Effect of Electromagnetic Field on Effluent Characteristics	Choudhari Sneha	Prof. Bina Patel
05	Desertification and land degradation monitoring, vulnerability assessment and combating plan for Banaskantha district, Gujarat	Davda Kruti	Prof. Minarva Pandya
06	Treatment of Secondary treated CETP wastewater by Hydrodynamic Cavitation	Goswami Hasya	Prof. Gaurankumar Ban
07	Treatment of Domestic Sewage by Sequential Batch Biofilm Reactor	Jariwala Hiral	Prof. Dimpi Shah
08	Spatio-temporal variability of trace gases over India using geospatial inputs	Jaykumar J Mehta	Prof. Minarva Pandya
09	Evaluation of cell lysis cryptic growth method using ozonation for reduction of activated sludge at CETP	Navalkha Aparna	Prof. Gaurankumar Ban
10	Solar Greenhouse aided drying of the primary, secondary and mixed CETP sludge	Niyati Kaushik	Prof. Gaurankumar Ban
11	Reduction of COD from secondary effluent of CETP by chlorination	Parekh Form	Prof. Gaurankumar Ban
12	Treatment of secondary effluent of textile industry using RO and single stage evaporation: Approach to ZLD	Parmar Isha	Prof. Gaurankumar Ban



13	Treatment of food -processing industry wastewater by Vermifiltration	Patel Jatin	Prof. Yogeshkumar Gajera
14	Study of integrated treatment consisting of UASB followed by MBR for the treatment of food processing wastewater	Raiyani Jignesh	Prof. Minarva Pandya
15	Treatability Study for Reduction of Ammoniacal Nitrogen from Pigment Industry Effluent	Shah Mansi	Prof. Minarva Pandya
16	Identification of different feed combination for multiple effect evaporator at CETP Vatva to improve quality of distillate.	Thaker Shrey	Prof. Gaurangkumar Ban
17	Pilot-scale study of Down-Flow Hanging Sponge reactor at varying HRTs for the treatment of sewage	Vyas Akshay	Prof. Yogeshkumar Gajera
INFORMATION TECHNOLOGY			
18	Dynamic time quantum approach to improve round robin scheduling algorithm in cloud environment	Fataniya Bhavin Harishbhai	Prof Manoj Patel
19	Bilingual machine translation using RNN based deep learning.	Janhavi	Prof Ankit C. Patel
20	Improving energy efficiency through load optimization in cloud computing	Joshi Bhumiben K	Prof Chirag S Thakkar
21	Improving performance of end to end data transmission using routing matrix based flooding algorithm in vanet.	Khata Vijay P.	Prof Ashil Patel
22	A proposed system for preventing session hijacking with a token based fast cookie authentication	Khevana Samirkumar Shah	Prof Mital K Panchal
23	An efficient GPGPU based CCSDS recommended dwt decompressor and optimization of hyperspectral compression parameters	Maniya Shailjaben	Prof Bakul B Panchal
24	Detection of illegally parked vehicles in no parking area using background subtraction and EGMM	Nagar Rikita Ravishankar	Prof H.M.Diwanji
25	A novel approach of sign recognition for Indian sign language	Panchal Twinkal	Prof Pradip R. Patel
26	Multiple image encryption algorithm based on CHOS and DNA computing	Patel Aarti	Prof Mehul Parikh



27	Decision support system for supply chain logistics using geographic information system in agriculture	Patel Megha	Prof H.M.Diwanji
28	Hand gesture recognition system for human computer interaction	Patel Nirali A.	Prof Swati.J.Patel
29	Efficient phishing detection based on CSS features of web pages	Raj Niyati B.	Prof J S Vithalpura
30	Facial expression recognition of human faces using CNNs (request to change)	Ravat Chirag	Prof S.A. Solanki
31	Load balancing in cloud computing using dynamic algorithm	Smaranika	Prof Bakul B Panchal
32	A novel approach for authentication of rfid devices	Suthar Monali B	Prof Alka J Patel
33	An efficient approach for accurate frequent pattern mining practicing threshold values	Thakkar Janak	Prof Mehul Parikh
CIVIL ENGINEERING DEPARTMENT			
34	Developing FAR Price Model Using OR Techniques	Kishan Joshi	Prof.D.K.Oza
35	Study of Interaction Between Pedestrian and Vehicle at Urban Pedestrian Crossing Locations	Meet R. Patel	Prof.R.N.Shukla
36	Evaluation of organosilane based technologies for repair of road distress and potholes	Dax B. Patel	Dr. P.J.Gundaliya
37	Measurement of unevenness on flexible pavement using profilometer - A case study	Durgesh Singh	Dr. P.J.Gundaliya
38	Analysis of super elevation and model formulation of side friction factor	Alkesh A. Rabari	Dr. P.J.Gundaliya
39	Comparative study of IRC mix Design & Ambuja mix design using Jute Fibre in cement concrete pavement	Rushi B Patel	Dr.V.R.Patel
40	Evaluation of organosilane additive for Bituminous concrete mix design	Kunal L Vaghela	Prof.V.J.Chitaria
41	Development of Landslide Susceptibility Map at Part of Uttarakhand, Himalaya, India Using GIS	Fayez Laila	Dr. M. B. Dholakia
42	Study of Contamination of Ground Water and Health Hazards due to Municipal Solid Waste Disposal Site, using the GIS	Chopda Mubin A.	Prof. A. M. Malek Prof. C. N. Bhavsar



43	Mass Balance and Water Storage of Himalayan Glacier	Gameti Darshil	Dr. M. S. Gadhavi
44	Water Quality Analysis using Adaptive Network-Based Fuzzy Inference System	Jambukiya Jignesh	Dr. M. B. Dholakia
45	Design and Monitoring of Water Distribution Network by EPANET and SCADA Software	Jethva Vivek Jitendrabhai	Dr. V. M. Patel Prof. P. K. Shah
46	Geostatistical Analysis of Groundwater and Delineation of Groundwater Recharge Potential Zones using GIS in Banaskantha District, Gujarat	Md Faizan Ansari	Dr. G. P. Vadodaria
47	River Basin Flood Flow Prediction using Adaptive Neuro Fuzzy Inference System (ANFIS)	Nasit Sachin Babubhai	Prof. R. M. Jadav Prof. S. H. Kazi
48	Flood Inundation Mapping Through HEC-RAS Hydrodynamic Modelling	Pandya Kajal H.	Dr. G. P. Vadodaria
49	Modelling the Coastal Sediment Plume Dynamics Along Krishna Godavari Basin	Parmar Aditi Ajitsinh	Dr. M. B. Dholakia
50	Estimation and Comparison of Evaporation Losses by Different Empirical Methods	Patel Ashishkumar	Prof. N. J. Dalal
51	Study on Rainfall Variability of North Gujarat Region by Statistical Test	Patel Sunilkumar K.	Dr. R. B. Khasia Prof. Z. J. Chovatiya
52	Flood Inundation Mapping and Analysis using Remote Sensing.	Vadher Pinkal M.	Prof. N. J. Dalal Prof. P. K. Lalvani
COMPUTER ENGINEERING			
53	Improving web page access prediction using web usage mining and web content mining	Bharti Pooja Manoj	Prof. Tushar J. Raval
54	Enhancing Security by applying LSB Steganography and Hybrid Cryptography for image transmission	Bheda Mitaben Jethabhai	Prof. Amita Shah
55	Accident Mitigation System on Highways using IOT	Gandhi Fenil Abhaykumar	Prof. Tushar Champaneria



56	Document Level Sentiment Classification for Imbalanced Dataset: A Hybrid Machine Learning approach	Langalia Komal Devendrabhai	Prof. Vimal Vaghela
57	Multi-Objective based Integrated task scheduling in cloud computing	Langhnoja Himani Kiranbhai	Prof. Hetal Joshiyara
58	Sentiment analysis of Product Advertisement on facebook page	Parmar Mehulkumar Dhirubhai	Prof. Rajlakshmi Jaiswal
59	GAN to learn how to do image degradation	Patel Tarunkumar Kishanbhai	Prof. Dhaval A. Parikh
60	Proposal for achieving efficient data security in Internet of Things	Sinha Dharmishtha Satyendra	Prof. Dhaval A. Parikh
61	Optimization of BigData Processing in Private Cloud Environment	Tailor Bhavikaben Anilkumar	Prof. Hetal A. Joshiyara
62	Improving Privacy preserving for location Diversity using K-Anonymity Technique	Thakor Urvashiben Khodidas	Prof. Tushar J. Raval
63	Enhancing energy efficiency by server consolidation in cloud data centers	Vaghamsi Parul Himmatbhai	Prof. Dhaval A. Parikh
MECHANICAL ENGINEERING (CAD/CAM)			
64	Design and development of Sonotrode for Ultrasonic consolidation.	Aman kumar p.	Dr. K G Dave
65	Investigation of process parameters like abrasive size, type, concentration in percentage and piston speed on surface finish of SS 316 during Abrasive flow machining	Gadhiya sandip k.	Dr. P R Rathod
66	Design and Analysis of CFRP Housing for Space Application	Patel priyan k.	Dr. B K Patel
67	Design of Ultra High Vacuum compatible permeation measurement system	Siddhapura milan n.	Prof. M M Makwana
68	Experimental investigation on tungsten inert gas welding using activated flux for copper material	Gulamhushen a. Sipai	Dr. K G Dave
MECHANICAL ENGINEERING (IC/AUTO)			
69	Experimental Study On Performance analysis on different parameter of Disc Type Cam Operated Fuel Injector Nozzle	Parikh Darshit Prameshchandra	Prof. R. J. Jani
70	Experimental Investigation on reformed EGR (REGR) on the performance and emission of a 4 stroke C.I. engine with palm biofuel.	Krunal Rathod	Prof. P.C.Sheth

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L. D. COLLEGE OF ENGINEERING AHMEDABAD-15

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71	Experimental investigation of various Spark plug gaps on Four stroke Single cylinder SI Engine Fuelled with HHO (Hydroxy) Gas as an additive	Rituraj Choube	Prof. R. J. Jani
72	Design and Experimental investigation on Driveline Of Human power and Electric Series Hybrid Vehicle	Sapariya Ramesh Kantibhai	Prof. S.N.Patel
73	Effect of preheating and flashing of biodiesel-diesel blends on performance and emission characteristics on HCCI mode compression ignition engine	Shah Anil P	Prof S.K Dabhi
74	Effect of Supercharging and Injection pressure on performance, Emission and Combustion of 4 stroke Single Cylinder CI Engine using Palm Oil Bio diesel – Diesel Blend	Gaurav N Sutaria	Prof. P.C.Sheth
MECHANICAL ENGINEERING(CRYOGENICS)			
75	Design and development of Integrated Stirling Cryocooler for space application	Jainish Jadav	H A Shukla
76	Development of a test facility and measurement of performance of 20 K Helium purifier	Darshan Pandya	Shreya Mehta
77	Design and analysis of a typical cryogenic valve box for superconducting cavity of cryomodule	Vivek Prajapati	R O Paliwal
78	Design and analysis of pulse tube cryocooler for space application	Sarita Kashyap	R O Paliwal

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