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Book-Post

To, _____

1. FROM THE DESK OF THE PRINCIPAL



Principal, Dr. G. P. Vadodaria

Dear students and faculty members,

With the end of the year 2017, we witnessed remarkable beginnings and continuation of some worthy traditions in our institute. As we bid farewell to 2017, I must say we did it in an extraordinary way. Last three months of 2017 were quite eventful in different ways. The Department of Civil Engineering has organized "22nd International Conference on Hydraulics, Water Resources and Coastal Engineering"-HYDRO-2017, during 21-23 December, 2017, under the auspices of the Directorate of Technical Education, Gandhinagar, Gujarat Technological University and Indian Society for Hydraulics, which has received 400 research papers from across the country. A startup and innovation awareness program under the aegis of the recently formed "Aarambh" - the college's Student Startup and Innovation Cell was organized on 6th December, 2017 at Aryabhata hall. The institute recently received a grant of Rs 20 lakh under the Student Startup and Innovation Policy of Gujarat for the promotion and encouragement of student entrepreneurs and innovators. LDCE participated in 7th Annual Youth Festival of GTU, held at SAL Education Campus during October, 2017 and won the zonal as well as the inter-zonal rounds, leading to final victory and became Winner of 7th Annual Youth Festival of GTU, consecutively for Second Time. LDCE NSS won three national awards as well as State NSS awards. Dr C S Sanghvi has been graced with awards and felicitations during this phase for his outstanding contribution. Indeed, all these achievements are phenomenal and add a new zest of life to the institute. I am sure that we will keep on working with same enthusiasm and set new benchmarks of success.

Dr. G.P. Vadodaria

31st December 2017

2. PAPERS PRESENTED/PUBLISHED

Applied Mechanics Department

- Dr.M.V.Shah published research papers entitled: 1)“Influence of Calcium and Sodium Bentonite on Shear Parameters of Municipal Sewage Sludge” in Proceedings of 7th Geotechnical Symposium with International Participation (7G), organized by ISSMGE, Turkish Chamber of Civil Engineers, Istanbul, Turkey, 22nd-24th November 2017 with Kamlesh Singh, 2) “Effect of Degree of Saturation on Modulus of Subgrade Reaction for Alluvial Soil Deposits using Model Cyclic Plate load Test” in Proceedings of Indian Geotechnical Conference (IGC 2017), organized by IIT Guwahati, ISSMGE & IGS, Guwahati, Assam, 14th - 16th December 2017 with Darshan Chattbar.
- Prof.B.J.Panchal & Miraj Sardhara published research papers titled (1) “Effect of Soil Structure Interaction on Natural Period of RCC Framed Structure Located in Kutch Area” in International Journal for Scientific Research & Development & (2) “Influence of Soil Structure Interaction on Seismic Response of Multistorey Building Located in Kutch Area” published in International Journal for Scientific Research & Development.
- Prof.B.J.Panchal & Harsh Shah published research papers titled (1) “Parametric Study of Solid Circular RCC Pier with Emphasis on Seismic Design” published in International Journal for Scientific Research & Development & (2) “Parametric Study and Cost Comparison of Solid Circular RCC Pier with Emphasis on Seismic Design” published in International Journal of Modern Trends in Engineering & Science.

Civil Engineering Department

- 1) Chandresh Patel and P. J. Gundaliya published a paper on “Zone Wise Flood Mapping of Surat City using Remote Sensing and GIS”, 2) Jayshree Pandor, Neelam Dalal, & A M Malek published a paper on “Identification & Extraction of Wetland Features Using RS & GIS”, 3) Devyani Patel, Neelam J. Dalal published a paper on “Strategic Planning of Water Resources Management Using GEP Spatial Techniques” at Hydro-2017: at 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering Organized by L. D. College of Engineering under the aegis of The Indian Society of Hydraulics during December 21-23,2017
- Vishal R. Gor and V M Patel published a paper on, “Drought Assessment Using Meteorological Indices in Dhermada Watershed of Meghraj Taluka: Gujarat” in International Journal of Advance Engineering and Research Development. Volume 04, Issue 11, November-2017.

- Javed N. Malik, Mahendrasinh S. Gadhavi, Sravanthi Satuluri, Saurav Kumar and Santiswarup Sahoo (In Press); Unrevealing hidden truth from Vigukot in Great Rann of Kachahh, Western India: An attempt by surface and subsurface mapping. Current Science (Special Section-Geo Spatial Techniques in Archaeology)

Computer Engineering Department

- Prof. Tushar J. Raval, Prof. Karishma A Chaudhary published papers on 1) “Fog Computing: A Review and Conceptual Architecture Issues, Applications and its Challenges” with Apexa A. Dabhi, 2) “3D Printing Process using Fused Deposition Modelling (FDM)” with Urvasi Damor, 3) “ZHT: a Zero-hop Distributed Hashtable’ with Ekta Joshi, 4) “A Review on IoT Based Smart Home Using Blynk Framework” with Pratik P Jesani, 5) “A Review on Data Encryption Algorithm in Cloud Computing” with Pulatsya Kanasagara, 6) “A Survey Paper on Blue Brain” with Mayuri Katosana, 7) “A Survey on S/MIME E-Mail Security” with Bansari H. Kotecha, 8) “A Survey on RSA Security Enhancement” with Prajapati Hardik, 9) “A survey on Information Centric Networking Toward IoT :Challenges and Solution of Name Resolution Service” with Rahul Purohit, 10) “Ambient Intelligence in Cloud Computing” with Hetaswini J. Thathagar, 11) “A Study on Security of BigData” with Darshana Trivedi, 12) “Exploring the Blockchain” with Jalashree D. Trivedi, 13) “A survey on VANET Security: Issues, Challanges and Solutions” with Ankit M Vasava, in International Journal of Advance Research and Innovative Ideas in Education, Vol-3 Issue-5, October 2017.
- Prof. Tushar J. Raval, Prof. Karishma A Chaudhary & Mr. Hardik N. Talsania, published a paper on “A Survey Paper on Cyber Physical Systems” in International Journal for Scientific Research & Development| Vol. 5, Issue 08, 2017.
- Prof. Hetal Joshiyara & Bansari H. Kotecha published a paper on “A Survey of Non -Relational Databases with Big Data” in International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169, PP: 143 – 148, November 17 Volume 5 Issue 11.
- Prof. Hetal A. Joshiyara & Mayuri B. Katosana published a paper on “A Survey on Auto Live Migration Mechanism in Cloud Environment” in International Journal on Recent and Innovation Trends in Computing and Communication, November 17, Volume 5 Issue 11, ISSN: 2321-8169, PP: 58 – 61.
- Prof. Reshma A. Dayma & Apexa A. Dabhi published a paper on “Analysis of Different Buffer Management Strategies in Delay Tolerance Network Routing” in International Journal on Recent and Innovation Trends in Computing and Communication, November 17 Volume 5 Issue 11, ISSN: 2321-8169, PP: 149 – 152.

Electronics and Communication Department

- 1) Dr. B.S Sedani presented a paper titled “A Novel Approach Of Video Compression Over 4g System Using H.265 Standard”, 2) Varsha Goyal (PG student) under the guidance of Prof. Usha Neelakantan presented a paper titled “Characterization of Mode Conversion in Oversized Rectangular Waveguide at 26.5-40 GHz”, 3) Mansi Shah (PG student) presented a paper titled “Architectures for provision of internet services for high speed trains and TAP association problem”, 4) Mr. Rishabhkumar Modi (PG Student) presented a paper titled “Study of various Plasma Diagnostic Techniques with Microwave Reflectometry Data Processing Parameters ” at the IEEE International conference on Inventive Computing and Informatics 2017 organized by Ranganathan Engineering College on 23rd -24th, November 2017 at Coimbatore, Tamil Nadu, India.
- Jaina Patel, Pranati Trivedi and Drashti Patel of VII Semester presented paper titled “Emerging Technologies: Li-Fi and IoT for Healthcare Monitoring” at International IEEE conference ICTEE 2017 on 15th December, 2017 at MIT, Pune.
- Viraj Mavani (VII Semester) presented research paper titled “Facial Expression Recognition using Visual Saliency and Deep Learning” at International Conference on Computer Vision-2017 at Venice, Italy. His paper also got published in the journal.
- Ayesha Gurnani, Vandit Gajjar, and Yash Khandeliya (VII Semester) published research paper titled “Human Detection and Tracking for Video Surveillance A Cognitive Science Approach”, at International Conference on Computer Vision-2017 at Venice, Italy.

General Department

- Dr. F.J. Narsingani, published a paper entitled “Mathematical Modelling of Sickle Cell Anemia with Linear Algebra” in collaboration with Dr. M.B. Prajapati, Head and Dean, Department of Mathematics, HNGU and Dr. P.H. Bhathawala, Former Professor of Mathematics at VNSGU, and Mr. P.L. Thakkar, published a paper entitled “Effect of Transverse Surface Roughness on the Behaviour of Narrow Width Porods Tapered Pad Bearing” in collaboration with Dr. H.C. Patel, Head, Department of Mathematics, LDCE, and Dr. G.H. Dehri, Former Associate Professor of Mathematics at Department of Mathematics, SPU, V.V. Nagar during 6th International Conference of the Gwalior Academy of Mathematical Sciences on “Advances in Pure and Applied Mathematics” held at Ganpat University, Kherva during 22-24 December, 2017.

Mechanical Engineering Department

- Prof. H M Gajera and Dr. K G Dave have published technical paper with title “An Effect of DMLS Process Parameter on Surface Roughness and Dimensional Accuracy of CL50 WS Material” in International Journal for Research in Engineering Application & Management ISO 3297:2007, ISSN 2454-9150 Vol. 03 Issue 09, December 2017.

- Prof. H M Gajera and Dr. K G Dave have published technical paper with title “A Review: Challenges Stand off for Tooling Material in AM Field” in International Journal of Advance Engineering and Research Development ISSN 2348-6406 Vol. 04 Issue 11, November 2017.
- Prof. H M Gajera and Dr. K G Dave have published technical paper with title “An effect of Process Parameters of Direct Metal Laser Sintering (DMLS) Process on Dimensional Accuracy” in International Conference on “Emerging Trends in Mechanical Engineering” at Kauveri Institute of Technology, Mandya, Karnataka, India during 27-28 December, 2017.
- Dr. K G Dave and Prof. J G Parmar, Research scholar have published technical paper with title “Multi Objective Optimization of End Milling Process Parameter Using AI Techniques : A Review ” in International Journal of Advance Engineering and Research Development ISSN 2348-6406 Vol. 04 Issue 11, November 2017

Textile Engineering Department

- Prof. Ashwin Thakkar published a paper on “Development of Acoustic Material using Kapok Fibre for Automotive Application” in the International Journal for Scientific Research & Development Vol. 5 Issue 9, 2017.
- Prof. Ashwin Thakkar published a paper on “Effect of Weave on Thickness of Fabric for Belting Application” in the International Journal for Scientific Research & Development Vol. 5 Issue 9, 2017.
- Prof. D.V.Bihola published a paper on “Development of Acoustic Material using Kapok Fibre for Automotive Application” in the International Journal for Scientific Research & Development Vol. 5 Issue 9, 2017.

3. DEPARTMENTAL ACTIVITIES

Applied Mechanics Department

- As a part of the Pedagogical series, an expert talk was arranged on following topics on 18th Nov'2017. (i) Causes of Cracks and its Repair Techniques for Masonry Structures”. This lecture was delivered by Er. Vijay Shah, CEO of M/s Bhoomi Consultants. The purpose of the lecture was to help the students get conversant with various factors that cause distress in masonry structures and the techniques that can help correct the distress & (ii) Report Writing & Presentation Skills” – This lecture was delivered by Mr. Anand Mohan Pandey, who is the Project Manager in the Advisory Vertical of Mott MacDonald India Ltd. The main aim of the this lecture was to inculcate the practice of articulating the thoughts into their report and some handy tips were given to the students using which they can make their presentation more appealing and reader friendly.
- Site visit was arranged for the following sites: D-Cabin (Engineering Workshop for manufacturing of Plate girders) & Modhera – site for construction of Cricket

Stadium. The project of Cricket Stadium is worth Rs 700 crores, with a seating capacity of 1,10,000 viewers, having double level pavilion. Visit to these sites helped the students to get a bigger picture of the mammoth civil engineering projects been undertaken in our city and help them become aware of the responsibilities they carry being civil engineers.



Automobile Engineering Department

- Automobile Engineering Department had arranged Expert lecture on "Automotive Emission". Dr. K C Vora from Automotive Research Association of India had shared his expertise in Automotive Emission Control on 24th November 2017.
- Automobile and Mechanical Engineering Department had arranged Two week STTP on "Two Wheeler Technology" from 26th December, 2017 to 5th January 2018. 42 participants from various institutes have taken advantage of it. Dr.G H Updhyay and Prof. R J Jani convened and Prof. Dhruv Panchal, Prof. Mazar Shaikh and Prof. Sulay Patel have coordinated the STTP.



Chemical Engineering Department

- National Education Day (Maulana Abdul Kalam Azad Day) was celebrated on 11th November 2017 by the arrangement of recitation completion and essay writing competition in the department for all departments' students.

Computer Engineering Department

- Department had organized an event to select best teams for SIH-2018 at Upanishad Hall on 7th December, 2017. A total of 23 teams participated and best 16 teams were selected for Smart India Hackathon -2018.

- Seminars were conducted on (1) "How to participate in SIH-2018" at Upnishad Hall on 28th November 2017 for awareness about Hackathon (2) "New Gujarat for Smart India Hackathon" was organized on 5th October, 2017 to motivate students to take part in this competition. 59 teams registered for this competition

Electronics and Communication Department

- Team of 33 students of BE VII Semester along with Prof. A.B Upadhyay, Prof. S.V Bhuriya and Lab Assistant Shri. Nilesh Patel, visited research labs and exhibition centre in SAC Indian Space Research Organization (ISRO), Ahmedabad on 26th Oct 2017.
- The Department has been selected for establishing "Design Lab" by GUJCOST. A formal letter has also been issued for the same by DST on 13th October-2017. This initiative by GUJCOST will serve as an incubator for innovations by students and faculties. .
- 1992 Batch Alumni meet was organized to celebrate 25 years of graduation on 24th December 2017 at LDCE.

Environmental Engineering Department

- M.E. (sem-1) students along with three faculties namely Prof. Bina Patel, Prof. Amruta Kuhikar and Prof. Vishwa Shukla attended the 8th National conference on "Waste Management 2017" on 7th October, 2017 (Saturday) at AMA organized by Saket Projects Ltd and supported by Gujarat Pollution Control Board, Gandhinagar.
- M.E. (sem-1) students along with two faculties namely Prof. Yogeshkumar Gajera and Prof. Vishwa Shukla had visited the Kanti Fashion (Textile Unit), Narol to understand the working units of manufacturing processes and Effluent Treatment Plant.

Mechanical Engineering Department

- An Expert lecture organised by American Society for Heating, Refrigeration and Air-Conditioning Engineers, Western India chapter, on 24th November, 2017 at the Department. Event was coordinated by Prof. H.A.Shukla and Dr. S.M.Mehta. Mr. Aakash Patel, President of ASHRAE Western India chapter and Prof. Yash Shukla-CEPT University had delivered an informative talk on "Carrier Opportunities in HVAC Industry and Objectives of ASHRAE for students". About 70 students and 8 faculty members have attended the above session. Dr.G.H.Upadhay, Head, Mechanical, Prof.R.J.Jani, Head, Automobile and Dr.S.M.Mehta has welcomed the guest by mementoes and given vote of thanks after completion of 2 hours informative and interactive session for students.
- The Department, CoE welding- and ASM International Gujarat Chapter, had jointly organized an expert talk on "Multivalent Aqueous Electrolytes for Super-Capacitor Applications: Charge Storage in Faradaic and Non Faradaic Electrodes" by Dr. Ramesh Guduru, Asst. Professor, Department of Mechanical Engineering, Lamar University, Texas, USA on 20th December 2017 at Dr. V.J. Jani Auditorium,

Mechanical Workshop. Total 22 participants from the industries and institutes have taken benefit of this Seminar. After successful completion of seminar Dr. Guduru, Dr. Shreya Mehta, Dr. P.R. Rathod, Prof. D.K. Patel and Dr. Mrunal Chaudhry visited the CoE –Welding, and CoE Siemens.

- The Department, CoE welding- and ASM International Gujarat Chapter, had jointly organized an expert Talk on “Additive Manufacturing” by Mr. Jon Tirpak , USA on 11th December 2017 at Dr. V.J. Jani Auditorium, Mechanical Workshop. Total 23 participants from the industries and institutes have taken benefits of this Seminar. Mr. Tirpak, in a very interactive session, shared his knowledge in the area of Additive Manufacturing and new research scope as well as advantages and the applications of the same.



- COE Siemens centre had arranged two meetings (5/10/2017 & 13/10/2017) with Air force association(AFA) , Ahmedabad to discuss about the initiation and development of Aerospace and Defense programs / activities at COE Siemens centre. Prof G P Vadodaria –Principal and Prof G H Upadhyay had welcomed the AFA guests Air Marshal - Mr P K Desai , Veteran Wg Cdr Upadhyay, Veteran Wg Cdr Jaidev Desai, Veteran Wg Cdr CG Pandya and Veteran Gp Capt S chatterjee. Prof. Y. D. Vora had taken the initiative to arrange these meetings. Dr Kumar Krishen from USA had visited COE Siemens centre laboratories on 17/11/2017 and appreciated the facilities. Prof M B Dholikiya, Prof G H Upadhyay and
- Prof. Y.D.Vora, and Prof. S.S.Pathan - had organized ISTE and CTE approved one week STTP on “Product Lifecycle Management-Teamcenter Software ” and “Thermal and Flow Analysis using NX Software” during 30th Oct to 3rd Nov 2017. Prof G P Vadodaria, Mr. Prabhat Kumar, Prof. S M Mehta had inaugurated the program. Total 28 participants from various degree/diploma engineering colleges including teaching faculties and post graduate students were actively involved. Eminent faculties from various colleges, Mr. Prabhat Kumar-Technical Support Manager-PLM, DesignTech Systems Ltd., Pune and DesignTech trainers and others delivered lectures. COE faculty coordinators supported the management of STTP programmes.



Plastics Technology Department

- Pedagogy session was arranged in the department on the topic “Advance Extrusion Techniques” by Prof B.G.Basantani in November 2017.
- Expert lecture on wood/plastic composites was arranged in the department for final year students. Mr. Hardik Panchal from HardyPlast delivered a lecture on “Recent trends and applications of wood/plastic composites.”

Rubber Technology :

- A stall owned by Rubber Technology Department, LDCE was represented by students. Mr.Joel Lalucherian, Mr.Ramandeep Bhalla, Mr.Ravi Prajapati, Mr. Ankit Vandra, Ms. Nipasha Desai, Mr. Dhaval Panchal and Mr. Bhumesathwara actively participated for three days at India International Rubber Show at Mahatma Mandir, Gandhinagar during 15th -17th December, 2017.
- An expert Lecture series organized (1) for B.E.Sem. VIII Rubber Technology Students on “Advancement in Belt and Hose Technology” by Mr. Ronak Panchal, MD of Panchal Rubber Industry, (2) An expert Lecture organized for B.E.Sem. IV Rubber Technology Students on “Black and Non-Black Filler Technology” by Mr Atul Shah, MD of Pioneer Rubber Industry (3) for M.E.Sem.I Rubber Technology Students on “Elmer Programming” by Prof. N M Patel during November-December, 2017.
- An Industrial visit of (1) M/s. Praveen Rubber Industry Was arranged for the students of M.E.Sem -I & III (Rubber Technology) on 4th November, 2017 (2) of M/s. Maxxis Rubber, Sanand was arranged for the students of B.E.Sem-VIII (Rubber Technology) on 30th December, 2017 (3) M/s. Pioneer Rubber Industries, Bapunagar Was arranged for the students of M.E. Sem I and III (Rubber Technology) on 18th November, 2017.

Textile Technology Department

- Department of Textile Technology, L.D.College of Engineering, Institute of Engineers and ATIRA jointly organized a one day workshop on “Geotextiles for Civil Engineering” at ATIRA, Ahmedabad on 7th October, 2017. Principal Dr. G.P.Vadodaria graced the inaugural function. All faculties attended the program.

4. FACULTY ACTIVITIES

Applied Mechanics Department

- Expert lecture was delivered by Dr. M.V. Shah on the topic “Applications of Geosynthetics in Ground Improvement and Landfill Design” at One Day Workshop on “Geotextiles in Civil Engineering” at ATIRA, Ahmedabad, on Saturday, 7th October 2017, organized by The Institution of Engineers - Gujarat State Centre, ATIRA & LDCE
- Dr. C S Sanghvi was selected as a Mentor for “International Experience Programme 2017” of GTU, which was held at Ural Federal University, Yekaterinburg, Russia. Total 119 students of Civil Engineering of GTU had participated. He has delivered lectures on “Design of RCC Structures” & “Concept of Earthquake Resistant Design” was highly appreciated by participants. He was invited to participate in “Administrative Staff Retraining Program”. His lecture on “Indian Higher Education System” was very effective & appreciated by the international participants.
- 1st October is celebrated as World Blood Donor Day. Red-Cross called upon 100 blood donors from Ahmedabad who had donated blood for over 100 times, Ahmedabad Red-Cross Society has set a World Record of Century of Centurion Blood Donor. Capt. Dr. C. S. Sanghvi was a part of this propitious celebration & world Record who has donated blood for 138 times till today. Appreciation of all the donors was done by his Excellency Governor of Gujarat Shri O P Kohliji. The event took place at AMA Ahmedabad.



Chemical Engineering Department

- Prof. Sachin P. Parikh delivered an expert lecture on “Application of Nanotechnology in Chemical Engineering” at Human Resource Development Center, Saurashtra University on 5th Dec, 2017.
- The first student completed PhD under Dr. Sachin Parikh from R.K. University, Rajkot. The name of the student is Prof. Vyomesh Parsana and his research topic is “Studies in vapor-liquid equilibrium of system involving linear solvents”.

Civil Engineering Department

- On 18th November 2017, Prof. Z.M.Shaikh, Prof. P.K.Lalwani and Prof. C.N.Bhavsar had conducted a pedagogy session on “Buoyancy and Floatation” “Activated Sludge Process” and “Water Treatment - Filtration” respectively in which 14 faculty members were present.
- On 16th December 2017, Prof. P.K.Shah, Prof. J.P.Modi and Prof. Z.J.Chovatiya conducted a pedagogy session on topic named as “Disaster Management Plan for Alpha one Mall - Ahmedabad”, “Coagulation of Water” and “Properties of fluid” respectively in which 10 faculty members were present.
- On 30th December 2017, Prof. N.J.Dalal and Prof. S.C.Rathod conducted a pedagogy session “Introduction to Remote Sensing” and “RERA” respectively in which six faculty members were present.
- Prof. Sandip C. Rathod was felicitated by “Bharat Vikas Award” by Institute of Self reliance, Bhubaneshwar on Citizen's day 19th November 2017.



Computer Engineering Department

- Prof. Tushar J. Raval has guided the 3rd semester students, Valand Chaxu H., Mehta Vaibhav, Nirmal Vibhav K., Shah Adarsh to develop Institute Grievances Management System. It is mandatory to use online grievances management as per the AICTE norms. Instead of procuring the readymade system from the market, it was decided to develop it indigenously within the institute. Convener of the Grievances cell Dr. H. S. Patel and Respected Principal Dr. G. P. Vadodaria have appreciated the efforts by students and approved the system. This will soon be available on the institute web site.

Electronics and Communication Department

- Prof Usha Neelakantan was invited as chief guest at valedictory function of the course on “Computer and Smart phone Awareness Programme for Women” at the IETE-Ahmedabad on 25th November 2017.
- Dr. B.S Sedani was felicitated by Honourable Dr. Rajkumar (Deputy Director-ISRO-SAC) on behalf of IETE-Ahmedabad on 64th IETE Foundation Day celebrated at AMA-Ahmedabad on 10th November-2017 for prestigious achievements and awards at national and international level, which has significance in the national development.



- Prof Usha Neelakantan and Prof. A.B Nandurbarkar were members of GTU EC faculty endorsement committee at LJIT, Ahmedabad on 14th October 2017. Prof. A.B Nandurbarkar had carried out the academic review of EC faculty at Parul University, Waghodia during 24th-25th November, 2017

Mechanical Engineering Department

- Mechanical and Automobile Department has organized a Retired Faculties get-together with Lunch and there are number of retired faculties are consent to attend this program as well they should shared their experience with Young faculties for Growth of Institute and Nation. Really this was wonderful program.

Plastic Technology:

- Faculties of Plastic Technology department attended the Special Preview of PLAST INDIA 2018 on 9th November 2017

Rubber Technology:

- Prof R.N.Desai has arranged pedagogy meeting with (1) Mr. Rohan Thkhar, Production Manager, Rubber King Tyre Ltd., for “Innovation in Tyre Industry” on 5th October 2017 (2) Ms. Neelam Shah, Production Manager, Shreenath Rubber Ind., for “Opportunities for Rubber Technologist at Australia” on 14th Nov 2017 (3) Mr. Yoshadhar, Secretary, Gujarat Rubber Manufacture Associations for “Importance of Rubber in Medical Field” on 6th December 2017 (4) Mr. Prakash Patel, Industrialist, Agile Rubber Products., for “Role of Thermoplastics in day to day life” on 26th December 2017. 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, Prof. A.D.Bhatt, Prof. B.D.Patel, Prof. S.J.Padhiyar , Prof. G.G.Bhatt & Prof. P.N.Chavda attended three days India International Rubber Show during 15th -17th December, 2017.
- 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 attended the expert lecture on “Thermoplastics , A Replacement of Metal” by Mr.Atul Shah, Industrialist, Pioneer Rubber Industry on 16th December, 2017.
- Prof. A.D.Bhatt attended STTP on Two Wheeler Technology at LDCE organized by Mechanical & Automobile Department during 26th Dec 2017 to 5th Jan 2018.

Textile Engineering Department

- Prof. D.V.Bihola and Prof. S.K.Parmar attended a one day workshop on “LATEX for Engineering” organized by Electrical Department, LDCE on 16th Sept. 2017.
- Prof. S.K.Parmar attended a one day workshop on “APH 2018-19, PMKVY-T1, Green Campus Initiatives” organized at LDCE on 29th December, 2017.

5. STUDENTS ACTIVITIES

Automobile Engineering Department

- Team LDCE Motorsports has tested ATV for durability and endurance. Testing is done on vehicle for more than 500 kilometers at LDCE campus.

Chemical Engineering Department

- Naynish Kawa secure 2nd postion in “Live with Bapu” poster competition organized by Elixir Foundation on 3rd Oct, 2017.
- LDCE Team secured 1st position in Table Tennis at Zonal championship on 13th Oct, 2017.

Computer Engineering Department

- Team Innovators from Computer Engineering became winner at Girl Script Hackathon in Girl Script India Summit which was organized at Silver Oak College. Team members were Roshan Rawal (3rd year), Sunil Chauhan (3rd year), Himani Patel (IT 3rd year), Monil Bhavsar (1st year) and Chintan Sheth (1st year). The team made a web application named GirlsCodingHub. An application for Girls Coder community where they can share, post, follow and connect to each other to empower girls in coding.
- Team Coder's Girl from Computer Engineering became Complimentary winner at GirlScript Hackathon in GirlScriptIndia Summit which was organized at Silver Oak College. The application is for women's safety. User just needs to shake the phone thrice and SMS with location will be sent by app to relatives and authority. Team members were Nidhi Shah (3rd year), Nikita Darji (3rd year), Nidhi Bhatt (3rd year), Anjali Gosai (3rd year) and Moksha Mewada (IT 3rd year).
- Stuti Sharma, 3rd Semester student of computer engineering department stood (1)1st in Debate at the Zonal Level Cultural Festival (Xitij) held on 6/10/2017 at SAL College, Ahmedabad, (2) 2nd in Debate at the Inter-Zonal Level Cultural Festival held on 13/10/2017 at SAL College, Ahmedabad & (3) participated and represented GTU for Debate in 33rd West Zone Inter-University Cultural Festival held on 18/12/2017 at Mohanlal Sukhadia University, Udaipur.
- Kishansingh Rajput, final year student of the department published papers titled (1) “A Comparative Study of Classification Techniques in Data Mining” in IJCRT (UGC Approved), September 2017 Issue & (2) “An Analytical Study of Hadoop and its Components” in IJSRD (UGC Approved), October 2017 Issue.
- Hemaxi Ishwar, 3rd semester student has been selected for Republic Day parade to be performed on 26th January 2018 at Delhi.

- Dharanee Patel, 5th semester student has played west zone/all India university tournament organized by association of India universities 2017-18 held at Pune during 25th -29th December 2017, and reached the finale.
- The 5th semester students Agrawal Urvashi and Gupta Kajal are selected as Dell Campassador. Under the ongoing Dell Campassador Program they have conducted activities and challenges which include 'The Dell Campassador Chain Contest', 'PC Literacy Days' and 'The Big idea Contest'.

Electronics and Communication Department

- Mr. Vatsal Kariya and Mr. Raj Panchal (III Semester) secured 20th rank among 500 entries in “Mars Urbanization Challenge” conducted by NASA at International level.
- Pavitra Saparia of III Semester secured 26th rank among 500 entries in “Mars Urbanization Challenge” conducted by NASA at International level.
- Aastha Kachhi of V Semester was the first runner up in non percussion classical instruments on NSS state day celebration among 500 participants. The event was held at Kutch on 24th September-2017
- Ruchit Shah of 3rd Semester stood 3rd in Western Instrumental Solo in GTU Zonals (Xitij-2017). He was also a group member of folk orchestra Group and stood 3rd at GTU Zonals (Xitij-2017).
- Dev Joshi and Jinal Patel of 3rd Semester stood 3rd in folk dance at GTU Zonal Youth Fest (Xitij-2017) during 3rd-5th October 2017.
- Khushboo Parmar of 2016 batch joined Space Application Centre, Indian Space Research Organization, Ahmedabad as Technical Assistant.
- Jadabendra Das of V Semester was winner at GTU Zonal Quiz conducted on 7th October 2017. He was also GTU Champion in GTU Inter-zonal Quiz contest
- Aishwarya Acharya (3rd Semester) was winner in western solo at GTU Zonals (Xitij-2017). She was also team member of GTU Zonals (Xitij-2017) winners in Indian Group song during 3rd-5th October-2017.
- Nihar Shah (I Semester) and Aishwarya Acharya (3rd Semester) were team members of GTU Zonals (Xitij-2017) winner team in western Group song during 3rd -5th October-2017. They were also team members of 2nd runners up in GTU Inter-zonals in western group song during 13th – 15th October, 2017.
- Aalap Doshi of V Semester was the team member of the college Football team which were runners up at the GTU Zonals Football cup conducted on 14th Oct. 2017.
- Aastha Kachhi of V Semester was winner in GTU Inter-zonal youth fest 2017 (classical instrument non percussion) held on 15th October-2017.
- Ms. Pranati Trivedi and Ms. Drashti Patel of VII Semester were team members of one of the 40 teams selected among 1000 participating teams from all over India for “Rapid prototyping Camp” organized by Intel under Intel Higher Education Challenge 2017 from 25th – 27th October, 2017 at Bangaluru. Their team was

the only team selected from Gujarat. They also won a cash prize of Rs 5000 INR for their project named “EDITalk-Smart headset (Wearable real time language translation device)”.

- VII Semester students Ms. Shweta Shetty and Ms. Jaina Patel's project Idea named “Autofining System” got accepted amongst 965 participating colleges from all over India in “India Innovation Challenge Design contest 2017” conducted by DST and Texas Instruments Inc.
- Aalap Doshi of V Semester was the team member of the runners up team at Reliance Foundation Youth Football Cup Gujarat conducted on 22nd Nov. 2017.
- Ayesha Gurnani's (VII Semester) paper titled “Object Detection on Synthetic Images using Deep CNNs for Transfer Learning” was selected in the conference on Neural Information Processing Systems 2017 at Women in Machine Learning Workshop held from 2nd – 7th December, 2017 at Los Angeles, California.
- Aishwarya Acharya (3rd Semester) represented GTU at West Zone Youth Fest “Samvet” in Western Solo, Indian Group Song and Western Group Song during 15th -19th December-2017 at Udaipur, Rajasthan.
- Aishwarya Acharya (3rd Semester) was selected in top 10 finalists at the National Level event “Art Kiya Hai” poetry competition at Mood Indigo at IIT Bombay, Maharashtra.
- Devanshi Advharyu of VII Semester has successfully completed her internship from 11th to 30th December-2017 at Sardar Vallabhbhai Patel International Airport, Airports Authority of India, Ahmedabad.

Environmental Engineering Department

- Mr. Hiral Jariwala, 3rd sem, M.E student attended the India International Science Festival 2017 at Anna University, Chennai. IISF 2017 was organized on 13th to 15th October, 2017 by Ministry of Science and Technology, Ministry of Earth Sciences, CSIR-NIOT, Vijnana Bharti and he presented a poster on "Treatment of Domestic Sewage by Sequential Batch Biofilm Reactor" at Young Scientist Conclave and got certificate of appreciation.
- Syed Sarah M Sharique, Environmental engineering student won the gold medal in B.E. Environmental Engineering for batch 2014 - 2017 from The Institute of Engineers (India) on 31st October 2017.
- Centre for Environmental Education, Ahmedabad and Foundation of Environmental Education, Denmark has launched a program called “Young Reporters for the Environment” to create awareness about the environment amongst the younger's. Under YRE program, BE environmental engineering 2nd year students namely Mr. Thaker Rudradutt, Mr. Munir Malek and Ms. Akanksha Manglani won the national level first prizes under 19 to 21 years age group in

photography, Videography and Essay/Report respectively. The award ceremony was held at Lucknow on 27th Nov, 2017. Each student received free Air tickets and Prize of worth Rs. 15000/-. These entries will be further sent to International Level.

Information Technology Department

- From Information Technology department, seven teams registered for Smart India Hackathon 2018.
- Mevada Moksha and Solanki Nitesh participated in GIRLS SCRIPT HACKATHON in Girl script India Summit, organized at Silver Oak College on 16th December 2017. Moksha and team were the complementary winners of the event.
- BE 6th semester students Mevada Moksha, Pargi Vaishali, Mistry Dhara and Solanki Nitesh worked as webcam incharge/District manager on Booth in election duty for different areas of Ahmedabad.

Mechanical Engineering Department

- A Chapter level quiz was organized on 28th November 2017 in which 32 students participated, who addressed 25-30 questions that were completely based on practical applications. Dharmanshu Poshia and Smit Chauhan, qualified for AQUEST Ahmedabad chapter Inter-college quiz, as they got 80-85% questions addressed correctly. The event was held at Seminar hall, Mechanical department and was coordinated by Prof. Hardik A. Shukla, Dr. Shreya M. Mehta under the guidance of Head of department Dr. G. H. Upadhyay.
- Intercollege technical quiz competition was organised by Indian Society for Heating, Refrigeration and Air-conditioning Engineers, Ahmedabad chapter on 29th November, 2017, coordinated by Prof. H.A.Shukla and Mr. Aakash Patel. Total 6 teams participated. Dharmanshu Poshia and Smit Chauhan of L.D.C.E won this competition and directly qualified for National level quarterfinal, Karan and Anant from AIT were runner up. More than 120 students and 15 faculty members and guests had attended the quiz. Dr. G.P.Vadodaria, Dr. N.M.Bhatt (Principal, GIT), Dr. S.S.Kachwahha (P.D.P.U.), Dr. G.H.Upadhyay, Dr. S.M.Mehta and Mr. Mitul Shah (President, ISHRAE Ahmedabad Chapter) awarded prizes to the winners.

Plastic Technology Department

- Patel Harnish, 3rd semester student was selected for national level Kabaddi sports for All India National for GTU team.

Rubber Technology :

- All the students of B.E. Sem 3rd, 5th and 7th & M.E. Sem 1st attended three days India International Rubber Show at Mahatma Mandir, Gandhinagar during 15th - 17th December, 2017.
- Mr. Ramandeep Bhalla, Mr. Ravi Prajapati, Mr. Ankit Vandra, Mr. Ravi Gohil and Mr. Joel Lalucharian

worked as a student volunteers at India International Rubber Show at Mahatma Mandir, Gandhinagar during 15th-17th December, 2017.

6. COLLEGE ACTIVITIES

International Conference-HYDRO 2017

- The Department of Civil Engineering organized “22nd International Conference on Hydraulics, Water Resources and Coastal Engineering” - HYDRO-2017 during 21st -23rd December, 2017, under the aegis of the Directorate of Technical Education, Gandhinagar, Gujarat Technological University and Indian Society for Hydraulics.
- The objective of conference was to bring together the engineers, scientists and professionals working in design, planning, construction, maintenance and research aspects of hydraulics and Water Resources Engineering. The conference received an overwhelming response from the date of its announcement. 400 research papers were received from the researchers of esteemed institutes across the country. These papers were reviewed by an elite review committee comprising of researchers from the institutes of National and International repute like IITs, NITs, and many other such lead institutes.
- Pre-Conference Workshop on “Space based Observations & Applications in Marine & Coastal Environment” was organized on 20th December, 2017 to catalyze the beginning of the conference.
- The Conference was inaugurated by Madam Anju Sharma, Hon'ble Principal Secretary, Higher and Technical Education, Dr. Navin Sheth, Hon'ble Vice chancellor, Gujarat Technological University, Shri. K. K. Nirala, Hon'ble Director, Technical Education, Dr. M. K. Sinha, President, Indian Society for Hydraulics. Dr. G. P. Vadodaria, Principal, LDCE welcomed all dignitaries and research fellows from different parts of the country and abroad as well.
- The main attraction of the conference was the exhibition that was organized to provide an opportunity to all participating institutions, industries and other organizations to show case their concepts in novel technological innovation, to interact and take it to higher dimensions of applications.
- Post conference visit was arranged to the Sardar Sarovar Narmada Dam site on 24th December 2017, that enabled the participants to have the feel of the novel advances that the State of Gujarat have made in various aspects of Hydraulics, Water Resources & Ocean Engineering.
- The conference was a great success for the institute to be remarkable in the history of HYDRO. It was the first time that paper submission, paper review, query solution, and paper acceptance was done online, which was the new added element in the series of the International Conference on Hydraulics, Water

Resources and Coastal Engineering (HYDRO). Participants appreciated the efforts of the organizing team spearheaded by Prof. A. M. Malek, Dr. M. B. Dholakia & Prof. Neelam Dalal for the prompt response to the queries and the way the conference was conducted. Dr. L. R Ranganath, Secretary, Indian Society of Hydraulics highly appreciated the arrangements that were made for organizing the conference and expressed his satisfaction in totality.



SSIP

- LDCE organised a startup and innovation awareness program under the aegis of the recently formed “**Aarambh**” - the college's Student Startup and Innovation Cell on 6th December, 2017 at Aryabhata hall. The college recently received a grant of Rs 20 lakh under the Student Startup and Innovation Policy of Gujarat for promoting and encouraging student entrepreneurs and innovators. As part of the policy, LDCE's responsibility will be to identify, support and encourage entrepreneurs and innovators in the campus, as well as provide them support for creating proof of concepts, patents, mentorship and guidance.
- Expert speakers from the ecosystem Mr. Dhruv Gupta, Founder of ProfiledSkin, Dr Pooja Somaiya, Co-Founder of Dialogue Makers, and ecosystem enabler Mr. Rahul Bhagchandani, addressed over 200 students and faculty members. The speakers spoke about the nuances of how to Startup, why to Startup, how to convert ideas into impact and importance of woman entrepreneurship. Dozens of questions followed the keynotes of the experts, making the session a highly interactive one.
- “**Aarambh**”, which was recently formed, is envisioned to be a student community driven and faculty enabled cell which shall provide support such as co-working space in campus's Annexe building, mentorship as well as networking and patent related facilitation in campus.



7th Annual Youth Festival of GTU

- Under the guidance and Motivation of Principal Dr. G.P. Vadodaria, around 50 Students of LDCE participated in GTU'S 7th Annual Youth Festival, Ahmedabad Zone held at SAL Education Campus during 06-08 October, 2017 in all 24 Events under 05 Different Categories: Music, Dance, Literature, Theatre and Fine Arts. Due to hard-work of students, worthy training workshops by Mentors and Co-ordination of LDCE Cultural Committee: D.S. Patel, V.A. Adhwaryu, Dr. A.B. Dharankar and K.A. Patel (Mech), Team LDCE ranked 1st in 04 Categories i.e. Music, Literature, Theatre and Fine Arts, and hence won the title of Ahmedabad Zone Champion consecutively for Second Time.



- Once again after winning the Zonal, the whole Team LDCE worked hard to repeat the History at GTU'S 7th Annual Youth Festival, Inter-Zonal held at SAL Education Campus during 13-15 October, 2017. Due to hard-work of students, intensive training workshops by Mentors and active Co-ordination and facilitation by LDCE Cultural Committee: D.S. Patel, V.A. Adhwaryu, Dr. A.B. Dharankar and K.A. Patel (Mech), Team LDCE performed their level best among the Winners and Runners Ups of All 05 Zones: Ahmedabad, Gandhinagar, V.V. Nagar, Surat and Rajkot. With the collective efforts of Students, Faculty Co-ordinators, Mentors and Principal Sir, Team LDCE finally won the title of Winner of GTU'S 7th Annual Youth Festival, consecutively for Second Time (2016 and 2017).



- Prof. J.G. Hirpara and Dr. C.S. Sanghvi deserve a special mention here for their pioneering efforts in the field of Cultural Activities at LDCE

National Service Scheme LDCE

- This year 5 National Awards of NSS had been won by Gujarat. Out of these five awards, three awards had been won by NSS-LDCE for outstanding contribution in social services. This are
 (1)NSS Unit – L D College of Engineering,
 (2) Best Programme Officer - Dr C. S.Sanghvi
 (3) Best NSS Volunteer – Mr Alfaz Mankad
- This achievement has been dedicated to hard work of all NSS volunteers & Program Officer of NSS-LDCE, wonderful support from HoDs & faculty members, motivation from Dr G P Vadodaria, Principal, LDCE & Dr Navin Sheth, Honorable Vice Chancellor, GTU.



- The celebration of NSS State awards was a proud moment for our NSS Volunteers. On this day, our hard-working volunteers were awarded with the 'State NSS Volunteer of the Year' award in both Female and Male category; Shivangi Patel from 4th Year Environment Engineering and Alfaz Mankad from 4th year Civil Engineering. Program officer Capt. Dr. C. S. Sanghvi Sir was awarded as 'Program Officer of the year' award. The awards were inaugurated and handed upon by Gujarat's Education Minister, Shri Bhupendrasinh Chudasma.

- NSS LDCE's three volunteers KishanKumar Busha and Riya Mistry from 4th Bio-Medical Engineering, Hemankshi Ishwar from 2nd year Computer Engineering participated in the NSS Pre-Republic Day Parade Camp and represented NSS LDCE, NSS GTU and NSS Gujarat at Karnataka.
- The delegation of 100 Youth volunteers came for the cultural exchange program from China. The event took place at L.J. group of institutes, Ahmedabad organized by GTU. Program was coordinated by NSS LDCE. The Chinese volunteers enthusiastically gave a splendid display of their own culture and brought a pleasing and yet knowledgeable sight which gave a clear idea about the rich and creative Chinese culture and also some of the traditions. Adding to that, the students from the program also showed how enriched and alluring the culture of India is.
- NSS LDCE Volunteers took upon the responsibility of educating the needy students to pass the NTSE examination. On December 3rd, 2017 a student-parent-volunteers meet was conducted where the students and their parents who had to pass the NTSE examination. The meet concluded upon the decision that every Sunday assiduous volunteers of NSS LDCE teach these students in order to help them pass the examination. In all, 52 students come to LDCE every Sunday in order to gain knowledge. This is supposedly going to be the longest running program lasting a year, till the date of examination, which NSS has taken upon their hands.

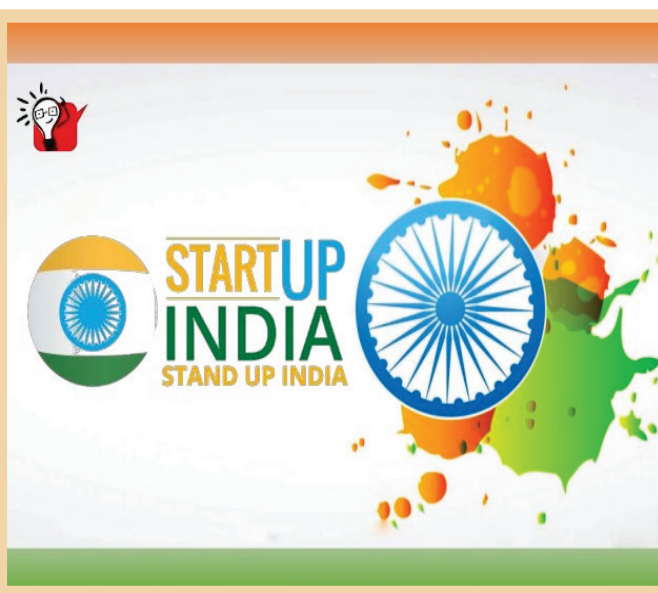
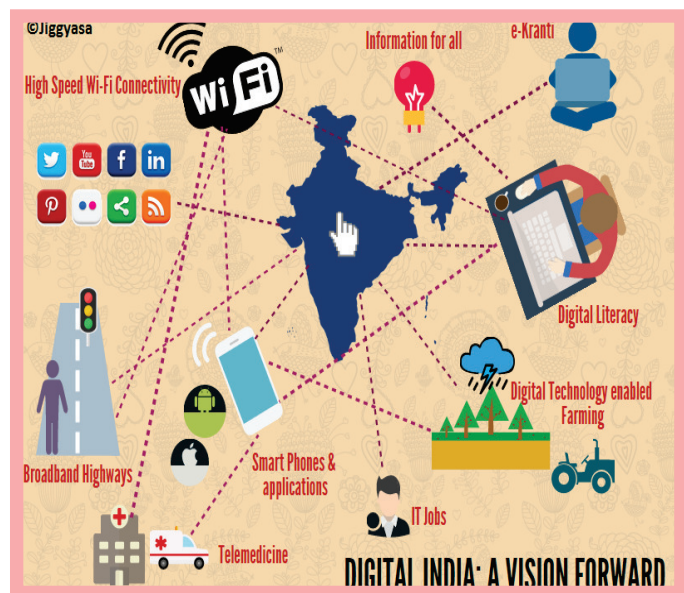
7. Consultancy / Testing work

Applied Mechanics Department

- Proof checking of tensile structure of Badminton Court at President house – New Delhi was done by Prof. B.J.Panchal.

Civil Engineering Department

- Prof. P. J. Gundaliya and Prof. V.R. Patel completed the testing of AMC road samples worth Rs. 60,040/-.



8. Work Shop/Seminar/STTPs attended by Faculty member:

Sr. No.	Title	Faculties	Department	Venue	Duration
1	22 nd International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2017	Prof. A.R.Gandhi, Prof. K.A.Parmar Prof.D.R.Tarachandani, Prof.P.G.Patel, Prof.B.J.Panchal Prof. P.J.Mehta,Prof. D.H.Raval Prof.A.M.Malek,Prof.(Dr.)M.B.Dholakia,Prof.(Dr.)R.B.Khasiya,Prof.(Dr.)P.J.Gundaliya,Prof.R.N.Shukla,Prof.N.J.Dalal,Prof.R.M.Jadav,Prof.V.R.Patel,Prof.V.J.Chitaria,Prof.V.M.Patel,Prof.N.N.Borad,Prof.(Dr.)M.S.Gadhvi,Prof.J.P.Modi,Prof.P.K.Shah Prof.D.K.Oza,Prof.S.H.Kazi Prof.C.N.Bhavsar,Prof.Z.J.Chovatiya Prof.Z.M.Shaikh,Prof.P.K.Lalwani Prof.J.S.Kamble,Prof.H.H.Jariwala Prof.R.H.Bhudhdhatti	Applied Mechanics Civil Engineering	Knowledge Consortium of Gujarat	21 st -23 rd Dec 2017
2	Seminar on Base Isolation	Prof. A J Shah Prof. D H Raval	Applied Mechanics	LDCE, A'bad	2 nd -3 rd Nov 2017
3	Induction Phase-I	Prof. Amruta Kuhikar	Environmental Engineering	NITTTR, Extension Centre Ahmedabad	23 rd Aug- 1 st Sept. 2017
4	Multi Objective optimization method for engineering and scientific applications	Prof.M.D.Patel Prof.H.M.Gajera,	Mechanical Engineering	IITRAM	26 th -30 th Dec 2017
5	Two Wheeler Technology	Dr. V.R.Patel , Prof.M.A.Shaikh Prof D.U.Panchal,Prof S.N.Patel Prof.M.M.Makwana, Prof.V.D.Sonara, Prof. H.P.Patel, Prof.S.K.Dabhi, Prof.D.R.Shah Prof. A.G.Momin, Prof.M.K.Vyas, Dr..U.A.Patel, Prof,P.C.Sheth, Dr.B.K.Patel, Prof. D.J.Parmar, Prof.D.K.Patel, Prof.H.A.Shukla,Prof.P.V.Jotaniya ,Prof.S.B.Bhatt	Automobile Engineering Mechanical Engineering	LDCE, A'bad	26 th Dec-2017 - 5 th Jan-2018
6	Product Lifecycle Management – Teamcentre Software	Prof.D.V.Bihola	Textile Engineering	LDCE, A'bad	30 th Oct-3 rd Nov 2017
7	Quality Management Systems	Prof.P.R.Patel		R.C.Technical Institute, Ahmedabad	20 th -24 th Nov 2017
8	Coral Draw & Photoshop	Prof.H.J.Jaiswal		NITTTR Ext. Centre, Ahmedabad	6 th -10 th Nov 2017

Newsletter Committee Members

Dr. K.G. Dave, Prof. A.G. Momin, Prof. D.K. Patel, Dr. A.B. Dharankar, Prof. S.S. Gosai