



LDCE NEWS LETTER

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L. D. COLLEGE OF ENGINEERING AHMEDABAD-15

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FELICITATIONS



Principal Shri.M.N.Patel has been appointed as Vice Chancellor, Gujarat Technological University. He has assumed the charge from 02/03/2009. Under his able leadership and guidance, GTU will go a long way and reach its zenith by earning National and International repute for quality Technical Education.

1. PRINCIPAL'S SPEECH ON REPUBLIC DAY :

Dear Professors, Alumni, students, staff members, ladies and gentlemen. At the outset, I welcome you on the occasion of Republic Day Celebration and wish you a very happy and prosperous New Year. Today, we have assembled here to pay homage to those great people who laid down their lives to ensure that their future generations breathed in air of freedom and lived in yoke-less dignity. We also pay heartfelt tribute to the leaders, who participated in the struggle of freedom and also to the framers of Constitution.

Though we achieved Independence in 1947 the Constitution came into force from 26th January 1950. Since then, we celebrate this day as Republic Day every year. Thus, Colonial State was changed to Welfare State. It is because of our hard working and talented youth our country has achieved status of fast developing state in the world. Thus everybody can contribute to the progress of our country be it through mental, physical or economical means.

Patron:

Prof. M. N. Patel
Principal

Editors:

Prof. G. C. Brahmhatt

Advisors:

Prof. J. V. Dave
Prof. R. N. Shukla
Dr. N. S. Varandani
Prof. M. H. Rangwala
Prof. Dr. J. S. Shah
Prof. P. D. Solanki

Prof. M. R. Bhatt
Prof. V. B. Babaria
Prof. N. N. Bhuptani
Prof. K. B. Bhojaniya
Prof. D. A. Patel

BOOK-POST

To, _____



Principal Shri.M.N.Patel hoisting the flag on Republic Day

On this occasion, we remember and admire the efforts of our beloved honorable Chief Minister, Shri Narendrabhai Modi and his team. The very foundation of his Government is 'Vikas' (Development). He wants Gujarat, to benchmark its development standards with the best of the Asian economies and ultimately to emerge as a global player to reckon with. By, his time bound Panchamrit Yojna (Program) i.e. Gyan Shakti, Jal Shakti, Urja Shakti, Raksha Shakti and Jan Shakti, he intends to convert Gujarat in Vibrant Gujarat. Recently, in Vibrant Gujarat Investment Summit 2009, more than 8500 MoUs are signed with 12.2 lakh crores likely investments and more than 25 lakhs job opportunities forecasted. Thus, even in this period of recession, in this melting era, it will bring definitely, our future, more shining one.

On this occasion, I would also like to bring to your knowledge, that myself has been able to work here for more than four and half years, and could become a Principal having second highest stay in the Office of the Principal. This could be possible due to your whole-hearted support extended to me.

With your commendable support and efforts, L.D.College Of Engineering is upgraded with accreditation of all the B. E. Programs, latest infrastructures and facilities, required by an elite technical institute. In this competitive scenario, how L. D. can be lower than other technical institutes and IIT's? We must accept the fact that, we have everything of the IIT level, except little bit in mindset. This is the high time to change our mindset, so that academic activities are given prime importance at every moment in the campus - a vibrant campus.

During 4½ years, some of the facilities and infrastructure, by which, we have added / enhanced strength to ourselves are :

- Publication of quarterly News Letter stating/depicting the technical know-how within the campus.
- Regular HOD meetings on every working Saturdays, to have common consensus and smooth administration.
- With Intranet facility, we have paperless administration and more utilization of Labs, E-books and E-journals.
- Use of smart-card for identity & book transaction.
- Every fortnight, common follow-up at Department level in P. G. Courses for dissertation work that leads to R & D work.
- Smooth conduct of GTU Examinations with innovative idea of Technology.
- Stability in Exam Calendar and other activities such as exhibition, tech-fest and sports.
- Extra good placement in leading industries.
- Additional programs like SCOPE, GKS and CCC+ and Technoseva.
- Establishment of Language Lab and Common Computer Centre.
- 8 Mbps leaseline and ample number of computers to have good access with the world.
- Construction of Seminar Halls with E-class room facility.
- Beautiful campus with roads and lightings.
- NCC programs and blood donation camps.

At last on this sacred and fine day, let us think...

1. 'How can we inculcate the habit of cleanliness in ourselves?'
2. 'How can we stop the habit of spitting everywhere?' so that we can contribute to Nirmal Gujarat, clean campus.

Once again, I wish you a very prosperous and Happy Republic Day.

JAI JAI GARVI GUJARAT. JAI BHARAT.

Ahmedabad

Date : 26/01/09

2. TEQIP ACTIVITIES :

SERVICES TO COMMUNITY & ECONOMY :

□ **Mechanical Engineering Department :**

"CNC Programming" was organized for participants from ITI organizations, operators from the industries and diploma students during 25th – 27th February 2009. The participants learnt about theory and practice of CNC Programming for CNC lathe and CNC Milling machines for various metal cutting operations. In all 900 manhours training was imparted. The course was coordinated by Prof. P.D. Solanki. Shri N.B.Patel conducted the laboratory sessions. Prof. P.D. Solanki and Shri R. K. Patel rendered their honorary services by conducting the theory sessions. No. of participants were 50.



Work in progress at Honda service camp

- A free service camp for “**Honda two-wheeler bikes**” was organized on 7th March 2009 at L.D.College Of Engineering under which 57 bikes were serviced. 68 students and 6 teachers who were given pre-training at service centre of Honda bikes rendered their honorary services at this camp. An expert lecture was delivered Shri.Vijay Jani related to preventive maintenance of the bikes. The bike holders were given tool-kits free of charge. Prof.P.D.Solanki and Prof.B.V.Dave acted as co-ordinator and joint co-ordinator respectively supported by Shri.S.S.Pathan, Shri.S.B.Vala and Shri.D.B.Jani and other 22 faculty members.
 - A training programme on “**Working with AUTOCAD**” was arranged for draftsmen of different Institutes, industries and Rural Diploma students from 23rd to 25th March, 2009 where the participants learnt creating and modifying 2D entities along with solid modeling and layers. The programme was co-ordinated by Shri.S.S.Pathan. Total no. of beneficiaries were 47.
 - A workshop on “**Knowledge and understanding the environmental benefits of plastic**” was arranged for the school students on 12th March 2009 by Prof.D.J.Desai and 8 UG students. The beneficiaries were 120 students.
- **Electrical Engineering Department :**
- A workshop on “**Electric safety and first aid**” was conducted for the students of Memnagar Prathamic School-Std. 6 and 7 on 17/1/09. The programme was presented by ex M.E. student Mohammad Shaikh and views about electric safety were shared by Prof. V.B.Babaria, Prof. B.P.Patel, Prof. C.A.Patel, Prof. J.N.Swamy, Prof. D.P.Maheshwari and Ms. J.P.Nair. The total number of beneficiaries were 190.
- A workshop on “**Electric safety and first aid**” was conducted for the students of Vastrapur Prathamic Shaala on 7/2/09. It was presented by faculty Ms. Z.B.Parekh and was well supported by Prof. V.B.Babaria, Prof. C.A.Patel, Prof. J.N.Swamy, Ms. Kinjal Kharadi, Ms. Vaishali Joshi and Ms. Jaimini Nimavat.
3. PAPERS PUBLISHED / PRESENTED :
- **Civil Engineering Department :**
- Shri.P.S.Ramanuj and Dr.P.J.Gundaliya presented paper on “**Artificial Neural Network and its Application in Model Split Analysis**” at national level event of Convergence 2009 organized at U.V.Patel College Of Engineering, Kherva on 26th February 2009 and won 1st prize.
 - Shri.V.R.Patel and Prof.M.R.Bhatt presented paper on “**An Initiative to Improve the Road safety**” at national level event of Convergence 2009 organized at U.V.Patel College Of Engineering, Kherva on 26th February 2009.
 - Shri.A.K.Patel, Ms.Priti Yadav and Dr. P. J. Gundaliya presented a paper on “**Various methods of Aggregate Blending**” at a national level technical symposium held at U.V.Patel College Of Engineering on 8th February 2009.
- **Mechanical Engineering Department :**
- A paper on “**Fabrication, Surface and Superconducting properties of $\text{Bi}_{1.8}\text{Pb}_{0.2}\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ Thin film Nanostructures**” was presented in a national conference on “Emerging Trends in Mechanical Engineering- 2009” by Swati A. Saraswat, B.V. Dave and U.S. Joshi organized at G.H.Patel of Engineering and Technology from 20th to 21st March 09.
 - Prof.J.M.Patel presented the following papers at national conference, ETME-2009 at G.H.Patel College Of Engg & Technology,V.V.Nagar on 20th & 21st, March 2009 :
 - a) Evaluation of CPC (compound parabolic concentrator) for illumination characteristics.
 - b) The insulated CNG storage pressure vessel application for automobiles.
 - c) Loss evaluation for pulse tube cryo generator.
 - Shri J. B. Valaki presented a technical paper on “**Prediction of performance parameters of EDM using low speed of electrode rotation by regression analysis with confidence and prediction intervals**” at international conference on Advanced Manufacturing and Automation, INCAMA – 2009 during 26-28 March 2009 at Kalusalingam University, Shilvilluputtur, Tamil Nadu.
 - Shri D.B. Jani presented a paper on “**Effect of impurities on material performance**” at G.C.E.T – V. V. Nagar on 13 & 14th March 2009.

- Shri.N.J.Prajapati presented a paper on “**Design modification of warping drum of sectional warping machine used in Textile Industry**” at a National conference on Advances in Mechanical Engineering(NCAME-2009) organized at Moradabad Institute of Technology, Moradabad UP from 28th Feb. to 1st March 2009.
- Shri.N.J.Prajapati presented a paper on “**Modified design of REEL of sectional warping machine which is used in Textile Industries**” at a National conference on World class Manufacturing(WCM-2009) organized at Amrutvahini College Of Engineering Sangamnen, Maharashtra from 26th Feb. to 27th Feb. 2009.

□ **Chemical Engineering Department :**

- Paper presented by Prof. D. J. Desai & Ms. R. N. Desai at International Conference on “**Climate Change**” at Vignan Bhavan, Delhi on 7-9 Feb..09.
- Paper presented by Prof. D. J. Desai ,Ms. S. A. Amin, Ms. R. P. Bhatt at National Conference on “**Carbon Dioxide storage and Sequestration at V. V. Nagar**”.
- Paper presented by Prof. D. J. Desai and Prof. J. M. Patel (Mech. Engg.) at 8th International Conference on “**Contemporary Issues in Entrepreneurship Research**” at EDI, Bhat, on 19-21 March 09.
- A paper on “**Developments in TPE as emerging materials for tomorrow**” was accepted at 5th International Conference on Rubber at Calcutta held from January 28-31, 2009 written by Prof. D. J. Desai & Ms. R. N. Desai.
- An abstract on “**U PVC plastic profile in building construction : A business with minimum manpower**” was accepted at 12th Nirma International Conference on Management held from January 8-10, 2009 written by Prof. D. J. Desai.

4. TESTING / CONSULTANCY WORK :

□ **Environment Engineering Department :**

Testing amount : Rs. 81,000 /-
 Consultancy : Rs. 5,72,500 /-
 Total amount : Rs. 7,53,500 /-

5. FACULTY ACTIVITIES :

□ **Applied Mechanics Department :**

- Dr. R K Gajjar, TEQIP coordinator, prepared a detailed TEQIP implementation, completion and results report projecting and highlighting the institutional achievements during the project lifetime.

- A training on “**Earthquake mitigation and management**” was coordinated by Prof. C S Sanghavi at SPIPA for the Faculty from Institute of Seismological Research (ISR)Gandhinagar and Faculty from Government polytechnic. Dr N.K.Arora, Prof. C.S.Sanghvi, and Prof.B.J.Panchal, Assistant Professor from Applied Mechanics Department of LDCE delivered expert lectures.The programme was held from 02-03-2009 to 06-03-2009.
- Dr. B. J. Shah, Assistant Professor, along with other team members is actively working to actualise online admission process & fixation of fees of professional courses in various states.
- Shri M. H. Aghara, Lecturer along with other team members was deputed for Squad of SSC and HSC Board examination by the education department of the state.

□ **Computer Engineering Department :**

- Dr. J.S.Shah has joined as a Head of the department of Computer Engg. Dept.

□ **EC Engineering Department :**

- A one day workshop on “**Art of being an Entrepreneur**” was conducted on 30th Jan by Shri.U.V.Unagar, Shri.B.P.Udani, Shri M.V.Patel, Shri.M.J.Patel and Shri.R.T.Ratnakar.

□ **Textile Technology Department :**

- Prof.G.C.Brahmbhatt has been appointed as an expert member in the Board of Studies in Textile Engineering under the Faculty Of Technology and Engineering M.S.University, Baroda.

□ **Mechanical Engineering Department :**

- Prof. N. K. Panchal chaired a session of paper presentation on “**Emerging Trends in Mechanical Engineering**” ETME-2009 at GCET, V,Vnagaron 21-3-2009.
- Shri S.S..Pathan co-ordinated training programme for students of Govt. Polytechnic, Vadnagar from 23rd to 25th March 2009.
- Prof.S.M.Bhatt retired on 28th February 2009 after prolonged period of 38 years service in Technical Education.

□ **Environment Engineering Department :**

- Expert lecture was delivered by Prof. Dr. N. S Varandani titled “**Why worry about pollution**” at Zydus Cadilla on 27/2/09.
- Expert lecture was delivered by Prof. Dr N S Varandani on “**Present curricula in Environmental Engg**” at Sarvajnik College of Engg. & Tech. Surat on 22/2/09
- Expert lecture was delivered by Ms. H. S. Syed titled “**Water Polution**” at Indian Institute of Public Health, Thaltej on 2nd March 2009.

- Prof Dr. N. S. Varandani conducted viva voce exam of Ph. D. student at Sarvajani College of Engg & Tech. Surat on 13/2/09.

□ **Chemical Engineering Department :**

- Prof. B. H. Shah & Prof. C. G. Bhagchandani, Prof. D. J. Desai worked as an Expert committee member for AICTE Inspection for Diploma colleges on 3rd, 4th and 5th March 09.
- Ms. B. G. Basantani along with 25 students of Plastic Technology visited worlds 2nd largest exhibition on plastics at Pragati maidan, New Delhi during 9-14 January 09.

6. INDUSTRIAL PROJECTS UNDERTAKEN :

□ **Environment Engineering Department :**

- Consultancy titled “**Environmental Impact Assessment**” of proposed Vendors park & CETP for TataNano Small Car Project.
- Consultancy titled “**Estimation of pollution load due to proposed change in product mix for Gujarat Themis Biosyn Ltd**”.
- Environmental Audit of industries, which is an ongoing activity for the whole year, requiring periodic monitoring and visits to the industry.

7. STUDENTS' ACTIVITIES :

□ **Computer Engineering Department :**

- A team of students from Sem-VI Computer Engg. - Darshan Trivedi, Kinnar Shah, Ashish Sharma, Juned Mansuri has been selected for Microsoft Imagine Cup. They will represent Gujarat at national level.
- “JagateRaho.com” – complete Web portal for students and faculties developed by students of L.D.College of Engineering has got very good response from everywhere. DNA- newspaper has highlighted the interview of developers of Jagateraho.com. Deep Patel, Amit Panchal and Nirav Kakkad Ms. Hetal A. Joshiara., lecturer in computer engineering are associated with the same.
- CE/IT students named Vidit Desai, Sagar Shah, Maitrik Shah, Ronak Narang, Jimit shah and Vinita Oswal has been selected by **Channel-Bindass** to represent young generation and to motivate other young people for voting. It was National level competition for Awareness of Voting in young generation.

□ **Electrical Engineering Department :**

- M.E. Students presented nine papers on various topics at a conference named “**Convergence 2009**” organized at U.V.Patel College Of Engineering, Kherva from 28th Feb. to 1st March. Supriya Anil Nair won the first prize, Gajera Jaydeep V. and Vaghamsi Ashok L. won third prize for their papers.

- M.E. Students presented two papers at a conference named “**FOOTPRINTS 2009**” organized at M.S.University, Baroda from 21st Feb. to 22nd Feb. 2009.

□ **Applied Mechanics Department :**

- Seven P. G. students of Applied Mechanics Department placed as mentors to various districts of Gujarat State under the **NIRMAL GUJARAT TECHNOSEVA PROGRAMME**, an initiative of Hon'ble Chief Minister of Gujarat have received certificates on 17-2-09 for their technical services being rendered at the Nagarpalika level during their fifth semester.
- Students of U.G. from Dahod and Morbi utilized the earthquake engineering resource centre for their subject related to model study.

□ **Instrumentation and Control Department :**

- Sunil Patel and Jigar Barot, students of M.E Semester –IV published research paper on “**High frequency transformer design for SMPS**” in IETE journals of research, New Delhi.

□ **Chemical Engineering Department :**

- Mr. Abhijit Chakraborty, B. E. Sem.VIII Plastics Technology obtained 20th rank in GATE –2009 exam by securing 98% percentile.
- M. E. Sem.-II Chemical Engineering students name Ms. Sapna & Ms. Khayti presented a paper on “**Clean Development Mechanism**” at I. I. T. Bombay during 7-8 March 09. The name of event was AZEOTROPY 09 Green Technology.
- Final year Rubber Technology students name Shri Ankit Parikh & Shri Sunil Padhiyar made model for Rubber Dam, which was highlighted in Renowned News Papers.
- Shri Ghediya Shailesh, Ratiya Mayur & Ramani Ashish made a model of Heat Exchanger and presented in “**FOOTPRINTS 2009**” a national level technical event at M. S. University in feb.09 and got qualifying certificate.
- Shri Bhatt D. M & Pratap Marahyliya B. E. VI Chemical Engineering students presented a paper on Biodiesel at I.I.T. Bombay.

□ **Industrial visits :**

- Final year Rubber Technology Students visited Egile Rubber Products company on 5th March 09 along with Ms. Anal Bhatt.
- Final year Rubber Technology & Chemical Engineering Students visited Indian Petrochemicals Corporation Ltd. on 20th March 09 along with Prof. S. B. Thakor Ms. T. H. Kothari & Ms. S. A. Amin.

❑ **Environment Engineering Department :**

Industrial visits :

- Students of B E Sem VI & VIII & ME Sem were taken for an Industrial visit to Pirana Sewage Treatment Plant on 31/3/09
- Students of B E Sem VIII went for Industrial visit to CETP, Vatva on 27/3/09.

❑ **Mechanical Engineering Department (CRYO) :**

Industrial visits :

- 11 Students of M.E Semester II visited ISRO with faculty Prof.A.N.Prajapati and Prof.N.V.Bora on 25th March 09.

❑ **Civil Engineering Department :**

Industrial visits :

- 100 Students visited Ambaji, Dharoi Dam Site with faculty Prof.R.B.Khasiya for Tacheometric Survey Project and Dam Site Visit.

8. SAMANNVAY :

As L.D.College Of Engineering completed its 60 years of journey in technical education we have set a new trend of merging three of our renowned national-level technical events into a single mega technical festival SAMANNVAY, **“Integration of knowledge, technology and innovations.”** The national level technical festival was organized on 18th, 19th and 20th of February 2009, under aegis of L.D.College Of Engineering, along with a grand commemoration as our college completed a legendary 60 years having consistently provided quality technical education to students from across the country for all these years.

SAMANNVAY was structured with the perspective of coherence of technical expertise with innovativeness and application of thoughts to real life situations. Encompassing hi-tech events like Robotics and Aeromodelling to LAN gaming, hardware/software applications and paper presentations, it was an event worth witnessing as the future engineers unraveled the fascination of technical dispositions. It was a platform for engineers to step beyond the limits bound by theories and weave these into practical relevance. It inferred a never-say-die attitude among students. The event was a battlefield without bloodshed, a field of knowledge liberating novel stream of ideas where each one was glorified.

The students this time participated with further zeal and full of enthusiasm and vigor as ever. The event was graced by the presence of all Staff members and students of our college, along with numerous participants from various Institutes of the country.

At the Inaugural session of Samannvay



**Dignitaries seated on the dias(from L-R):
Shri J.R.Puwar, Prin. Shri M.N.Patel, Shri Mamtora,
Shri Pratik Rai, Prof.V.B.Babariya, Shri Satyen
Mamtora, Shri Amit Thakar**

Thus, SAMANNVAY was a three-day mega event an amalgamation of the following events under a single wrap : TEQNIX, SPARXS and XPLODE. SAMANNVAY aimed to envelop students from PG, UG, PDDC and DIPLOMA programs, of all branches at our college. It was an exclusive event for Diploma students as well as awareness workshop for school students of class 8 to 12 on a plethora of subjects like electronics/electrical, environment, biomedical, earthquake et al to equip these students with technical knowledge. In all, SAMANNVAY was a platform for students which developed their technical as well as management skills through more than 100 events. Faculty co-ordinators were Prof.G.H.Ban and Shri J.H.Puwar. The students co-ordinator were Mr.Rudradutt Raval(8th Electrical), Mr.Parth Patel(8th Civil), Mr.Mehul Patel(8th Electrical) and Mr.Prashant Panchal(8th Electrical).

❑ **Applied Mechanics Department :**

- Applied Mechanics Department successfully completed the earthquake engineering workshop **“Earthquake Simulations and Response Evaluation of Structures through Models” - The Tremor terror 2009** under the aegis of this Mega national level technical event. The event included Model making competition, Quiz competition, Poster making competition and Special lectures by experts.
- 27 student volunteers from UG and PG gave their dedicated services to make the event successful.
- Expert lecture was delivered by Dr.B.S Munjal, Senior Scientist, ISRO, who in his inspiring speech dwelt upon various facets defining creativity, research, anger, science and spirituality. He compared creativity with ‘parachute’ and advised to break the cocoon of

ego which hampers creativity. He narrated anger as an internal vibration, which if positively directed can be effective. He defined engineer as one, who can convert 'hell into heaven' by creative measures. To cultivate endurance one must struggle to survive like a chick in this competitive world. At the end, he advised the students to generate enthusiasm, develop positive attitude towards life with faith in Almighty to take care of the rest.

- In Model competition out of 13 teams, 1st runner up prize was won by L.D.College Of Engineering and 2nd runner up prize was shared by L.D.College Of Engineering and CEPT University.
 - In Poster presentation, out of 10 teams winners were L.D.College Of Engineering and CEPT University 1st runner up prize was won by L.D.College Of Engineering.
- **Chemical Engineering Department :**
- Students from Chemical Engineering, Rubber Technology & Plastics Technology took part as volunteer and Event Manager.
 - Ms. Varuti Shah ,B. E. VI Plastics Technology got 1st prize in Face Paining event.
 - Shri Sager Bhuva , B. E. VI Rubber Technology got 2nd Prize in CHEMISOL, RUDRADHAVANI. event.
 - Shri Ram Padhiyar & Shri Dilip Hingu B. E. VI Chemical got 1st prize in CHEMISOL& URJA event.
 - Shri Ram Padhiyar, Shri Dilip Hingu & Chirag Dabaniya B. E. VI Chemical got 2nd prize in Aqua pure event.
- **Textile Technology Department :**
- Prof.G.C.Brahmbhatt, Prof.A.I.Thakkar, Shri.P.R.Patel and Shri.H.N.Upadhyaya were mentors, guides and judge for the various events organized in the department under Samannvay.
 - Final year students Ketan Patel, Vishal Patel, Dharmesh Vaghela and Uchit Desai won 1st prize in the event "Beat Around The Loom"
 - 4th Semester student, Phanse Anoop won the 1st prize in the "Robotics event".
- **Computer Engineering Department :**
- There were many events conducted by the Computer department. Out of them "SWF ki pathshala" and "Cradle of Bytes" were the major attractions.
 - Prof. M. H. Rangwala presided as the chief judge during the paper presentation competition among civil and structural engineering students.
- **Civil Engineering Department :**
- Shri.P.S.Ramanuj and Dr.P.J.Gundaliya presented a paper on "Mode Choice

Modelling by Artificial Neural Network" and won the 1st prize.

- Shri.V.R.Patel and Prof.M.R.Bhatt presented a paper on "Accident Analysis" and won 2nd prize.
 - Shri.Vipul Prajapati and Dr.P.J.Gundaliya presented a paper on "Optimum cycle time of Signalized Intersection on BRTS route".
 - Shri.A.K.Patel and Dr.P.J.Gundaliya presented a paper on "Aggregate using Genetic Algorithm".
- **EC Engineering Department :**
- Shri.U.V.Unagar, Shri.B.P.Udani, Shri.M.J.Patel, Shri.M.V.Patel and Shri.D.T.Ratnagar were mentors, guides and judge for the various events organized under Samannvay.
- **Chemical Engineering Department :**
- Prof. B. H. Shah, Prof. C. G. Bhagchandani, Prof. S.B. Thakor . Ms. S. A. Amin, Shri A. N. Waghela, Ms. T. H. Kothari worked as judge for different events of Samannvay.
- **Electrical Engineering Department :**
- M. E. Students presented ten papers at the technical festival. Vaghamshi Ashok L. won the first prize and Gajera Jaydeep V. second prize for their papers.
9. DEPARTMENTAL ACTIVITIES :
- **Chemical Engineering Department :**
- MoU was signed in the month of March 2009 with Doshion LTD., located at vatva , G. I. D. C A'bad for enhancing industry institute interaction.
 - 3 students of B. E. Plastics technology have been selected by M/s Saily Engineering, Baroda.
- **Civil Engineering Department :**
- "Pujay Shri Mota" Research award of Gujarat University (Hari Om Ashram Prerit Shri K. M. Kantawal Engineering Research Award 2006)honored on 18th February 2009 by Hon. Governor of Gujarat Shri Nawal Kishore Sharma.
- **Environment Engineering Department :**
- An expert lecture on "Energy savings in pumping of water" was delivered by Prof J N Joshi on 20/3/09.
 - An expert lecture on "Bio gas Technology" was delivered by Dr G P Nagori on 27/3/09
 - A one day seminar on the subject "Basics of environmental studies" was organized by the department for faculties of different Engg colleges of Gujarat, on 17th January 2009.
- **Computer Engineering Department :**
- Computer Department organized training of CCC+ during 27/1/2009 to 10/2/2009 for the Class-I and Class-II officers, after which an examination

of first Batch was conducted on 21/2/2009, Ms. Neelam Dalal scoring the highest marks out of 29 participants.

- Second Batch examination for CCC+ program was conducted on 21/3/2009. Out of 30 participants from various institutes, who appeared in the exam, Ms. Kajal Patel scored 88 marks out of 100 and secured first position.
- Course has been revised for Semester-VIII of Computer and IT Engg. Instead of industrial project training for whole semester, now students will undergo in-house training along with three subjects.

10. COLLEGE ACTIVITIES :

❑ SCOPE :

- **SCOPE-Society for Creation of Opportunity through Proficiency in English.** As we are all aware that, it is a Gujarat Government initiated programme, in order to inculcate proficiency in English language and further the scope of employment.
- The programme has been very well received by L.D.College Of Engineering students. 27 students from Backward class from different engineering disciplines of the college were benefited by this programme, which was organized under the TDP component of TEQIP. The conveners were Prof. B.P. Patel and Prof. D.P. Maheshwari.

❑ NIRMAL GUJARAT TECHNO SEVA PROGRAMME-PHASE II

The second phase of the Nirmal Gujarat Techno Seva Programme has been launched at L.D.College Of Engineering from 5th Feb. 2009. 21 students of Civil and Electrical Engineering Department are placed in various Nagarpalikas to serve the society through Urban Local Bodies(ULB).



Laying drainage pipe at Kapadvanj Nagarpalika

At present, 159 Municipalities and 3 Municipal Corporations are covered under the programme. The students

work on Thursdays, Fridays and Saturdays at assigned ULBs every week. They lend technical support and inputs to various works going on at the respective ULBs.



Planning storm water drain at old police line at Viramgam Nagarpalika

A stipend of Rs.3500 to UG students and Rs.3000 to Diploma students is paid by the Government through GKS. The progress made by the Technosathis in their work is continuously evaluated.

❑ PG ACCREDITATION :

Out of 11 PG programmes the following six programmes run at the college have been accredited by NBA for 3 years : M.E. Communication System & Engg., M.E. Transportation, M.E. Structural Analysis and Design, M.E. Chemical Engineering, M.E. Water Resources Mgmt., CAD / CAM (Mechanical Engg.)

11. GTU ACTIVITIES :

GTU(Gujarat Technological University) is engaged in revising the syllabi for 3rd and 4th Semesters for various Engineering disciplines. The curriculum revision is undertaken by experts for individual disciplines from different Engineering Institutes of the state as per the guidelines of GTU. It is co-ordinated by Prof. M.N. Patel.

❑ Computer Engineering Department :

- Prof. B.V. Buddhadev has become the Chairman for the syllabus revision committee of Gujarat Technological University, Computer and IT Engineering.

❑ Textile Technology Department :

- Prof. G.C. Brahmhatt has been nominated as a member for syllabus committee for Textile Technology and Textile Processing courses.

❑ Applied Mechanics Department :

- Dr. H S Patel, Assistant Professor, Applied Mechanics Department along with other team members are working for formulating Civil Engineering syllabus on behalf of G.T.U.

12. WORKSHOPS/SEMINARS/STTP/CONFERENCES ETC. PARTICIPATED BY FACULTY :

Instrumentation & Control Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1.	PLC, SCADA and HMI	Shri N. B. Mehta	Govt. Engineering College, Chandkheda	05/01/2009 to 09/01/2009
2	PLC, SCADA and HMI	Shri R. C. Paterl	Govt. Engineering College, Chandkheda	05/01/2009 to 09/01/2009

Civil Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1.	CCC+ (Attended and cleared)	Dr. N. K. Sherasia Prof. A. I. Lalani Prof. N. N. Borad Prof. R. B.Khasiya Dr. P. P. Lodha Prof. S. A. Trivedi Mrs. N.J. Dalal	L.D.C.E. Ahmedabad	27/01/2009 to 10/02/2009
2	Water for future-issues and options.	Dr. N. K. Sherasia Prof. A. I. Lalani Dr. P. P. Lodha Prof.J.N.Patel	Institute Of Engineers, Ahmedabad	4/03/2009 to 5/03/2009

Environmental Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1.	CCC+ (Attended and cleared)	Ms.H.S.Syed	L.D.C.E. Ahmedabad	27/01/2009 to 10/02/2009

Textile Technology Department :

Sr.No.	Title	Name of Staff	Place	Duration
1.	Workshop on Project Management	Prof.G.C.Brahmbhatt Shri.P.R.Patel Shri.H.N.Upadhyaya	L.D.C.E. Ahmedabad	12/01/2009
2	Joint Technological Conference (50 th Conference)	Prof.G.C.Brahmbhatt	ATIRA, Ahmedabad	4/3/2009 to 5/3/2009

Mechaical Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1	Hyperform and hypermesh software practice programme	Shri S.S.Pathan Shri D.B.Jani Shri R.K.Patel	SVNIT, Surat	5/1/2009 to 9/1/2009
2	Hero Honda bike service training	Shri S.S.Pathan Shri D.B.Jani Shri S.B.Vala	Bikes Auto ltd. Ahmedabad	25/2/2009 to 27/2/2009
3	Hero Honda bike service traning	Shri George joseph Shri Kunal V. fadadu Shri Bhavik H. kadiya	Shraddha motors,Ahmedabad	24/2/2009 to 5/3/2009
4	CCC+ (Attended and cleared)	Shri D.B.Jani Shri M.Y.Patil Shri J.B.Valaki Shri R.K.Patel	L.D.C.E. Ahmedabad	27/1/2009 to 10/2/2009
5	National conference on Innovation in Mechatronics.	Shri D.B.Jani	G.C.E.T. – V. V. Nagar	13/3/2009 to 14/3/2009

Applied Mechanics Department :

Sr.No.	Title	Name of Staff	Place	Duration
1	CCC+ (Attended and cleared)	Prof. C J Patel Dr. R K Gajjar Dr. N K Arora Dr. B J Shah Prof C S Sanghavi Prof B J Panchal Prof. B A Vyas Mrs. M H Doshi Shri S B Patel Mrs. K N Kapadia	L.D.C.E. Ahmedabad	27 -01-09 to 10 -02-09
2	Design of steel structure using I.S 800,2008	Prof.C J Patel Dr. R K Gajjar Shri M.H.Lunagaria	Surat	19-01-09 to 23-01-09
3	Advances in concrete	Shri M H Aghara Shri M.H.Lunagaria	Surat	12-01-09 to 16-01-09

13. M.E. DISSERTATION :

Mechanical Engineering Department (CRYO) :

Sr.No.	Title	Student	Guide
1	Design & Analysis of Puf Insulated 50 miles Long Burried LNG Transmission Line For the flow rate of 10 million Litres/ Day	Jani J.D.	Shri R.O.Paliwal
2	Conceptual design of Cryopump and Design & Analysis Of Cryopanel	Jayashree Nair	Shri R.O.Paliwal
3	Design of LNG Storage Spherical Tank & L.N.G. Plant Study	Shukla Hardik kumar	Shri R.O.Paliwal
4	Cryogun, A versatile tool for Cryosurgery	Prexa M.Parikh	Shri R.O.Paliwal
5	Important Parameter analysis of Cryogenic Application in Skin & Eye Surgery	Gojiya Rachana V.	Shri R.O.Paliwal
6	Design & Analysis of Three Stage Gifford - McMahon Cryocooler	Malavi Umesh S.	Prof. D.C.Solanki
7	Food Preservation Method & Processing time Calculation of Individual Quick Freezing Tunnel Capacity 150 Kg/hr spraying LN2	Kathawala T.I	Prof. D.C.Solanki
8	Design of the Environmental Test Facilities For the Qualification & Acceptance Testing of a Typical Space Vehical Payload	Mausam M.Parekh	Prof. D.C.Solanki

Applied Mechanics Department :

Sr.No.	Title	Student	Guide
1	Parametric study of buckling strength of Steel Braced Barrel Vaults.	Mulesh Pathak	Dr. B.J.Shah

Civil Engineering Department :

Sr.No.	Title	Student	Guide
1	Flood Assessment by Prioritization of Watersheds with Help of Morphometric Analysis, RS and GIS in Water Resources Management: Case Study of a Vare Khadi Watersheds, Lowar Tapi Basin , Surat	Ankit P. Garasia	Prof. R. B. Khasiya
2	Generation of Digital Elevation Model (DEM) by Geo-Spatial Technique for urban Flood Mapping.	Chandni J. Garnara	Shri V. M. Patel

Mechanical Engineering Department :

Sr.No.	Title	Student	Guide
1	Design and analysis of journal bearing for diesel engine using new generation of CAD/CAM technology	Bhuptani K.M.	Prof.I.H.Bhoraniya
2	Design analysis and testing of steel multi leaf spring and comparison of the same with composite (GFRP) multi leaf spring using Ansys 11	Jay B. Patel	Prof.I.H.Bhoraniya
3	FE analysis and optimization of front axle of ten wheeler heavy vehicle	Gamit Harshad M.	Prof. K.P.Trivedi

4	Performance evaluation of diesel engine using blends of diethyl ether with diesel and biodiesel	Brahmbhatt Ajay D.	Shri D.R.Shah
5	Design of topology optimization of vibrator mounting beam using Finite Element Analysis method.	Jitendra Patel	Prof P. B. Patel
6	Application of Taguchi method for the optimization of Green sand casting process parameters.	Manish Vora	Prof P. B. Patel
7	Application of quality function deployment as a functional approach for Ergonomic Design and Manufacturing Strategic planning.	Darshit Shah	Prof P. B. Patel
