



# LDCE NEWS LETTER

## Quarterly Magazine

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### L. D. COLLEGE OF ENGINEERING AHMEDABAD-15

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### 1. FROM THE DESK OF THE PRINCIPAL



Friends,

It gives me great pleasure in placing before you the LDCE Newsletter for the last quarter of 2008. The year of 2008 will soon go down in the history and become the page of the past. It is time for us now to review the activities of the year that has gone by. The accomplishments we have made on several fronts can be narrated as under :

The beautification of the entire campus, campus-wide networking, making the entire campus *wi-fi*, reequipping and renovating most of the college laboratories, establishing a few new laboratories like earthquake engineering lab, civil work for R&D Centre of Environment Engineering, providing computers to every department and laptops to senior faculty members, digitalizing the college library, procuring e-journals, purchase of world class equipments etc. All these could be achieved through TEQIP. The faculty has been provided training in various technical areas and upcoming technologies at IITs, IIM and other renowned institutes under faculty and staff development programme. Recently conducted audit by NPIU for training programmes has been quite satisfying and our efforts on this count are appreciated by the auditor. Under Services to Community and Economy, the benefits have been extended to nearby community. It is most likely that, after completion of TEQIP in March 09, the next phase for PG programme may follow. The NBA team visited the Institution in the month of October for granting accreditation to 11 PG programmes

#### Patron:

Prof. M. N. Patel  
Principal

#### Editors:

Prof. G. C. Brahmabhatt

#### 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. A. K. Shah

#### BOOK-POST

To,

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run at the college and am quite hopeful for getting the same. GTU established with a view to enforce uniform standards and latest hi-tech and emerging courses in Engineering education has been functioning quite efficiently. About 200 Engineering, Pharmacy and Diploma institutes are working under the umbrella of GTU. Novel things introduced by GTU include unique enrollment number for the students, credit based structure instead of marks, encrypted question papers in electronic form, barcode based answer books numbering, hall ticket with scanned photo signature and OMR based mark sheets. Gujarat has less number of seats per capita for engineering, as compared to other states of the nation. In order to be at par with other states, DTE has proposed to double the existing quota of seats. A proposal is also being made for running second shift with AICTE's permission. This may bridge the shortfall in total engineering seats available in the state from the next academic year. In my earlier message, I had expressed the desire to motivate teachers to publish at least two papers and I am happy to state that, this has been received very well. We move towards 2009 with a deep conviction to leave no stone unturned to excel in Engineering education with your co-operation and whole hearted support.

**Ahmedabad**

**Date : 31/12/08**

## 2. TEQIP ACTIVITIES :

Audit of Training component of TEQIP was conducted by World Bank in the month of November. All the departments actively participated and the achievements of L.D.C.E were appreciated by the expert Dr.B.S.Sonde. He specifically commented that, the trainings implemented by the Institute had been very well planned and covered pedagogy, content as well as research areas.

## SERVICES TO COMMUNITY & ECONOMY :

### Mechanical Engineering Department :

- ⑧ “CNC Programming” was organized for participants from ITI organizations and operators from the



**Shri D. J. Bavaniya at the CNC Workshop**

industries during 6<sup>th</sup> to 8<sup>th</sup> Oct. '08 and 25<sup>th</sup> to 27<sup>th</sup>

Nov.,'08 for 59 and 32 participants respectively, by Mechanical Engineering Department. In all 1638 manhours training was imparted. The participants learnt Programming for CNC lathe and CNC Vertical Machining Centre along with the applications of CNC in precision machining. The participants were given the printed course material and a book on CNC Programming for their future reference. The course was coordinated by Prof. P.D. Solanki. Shri D.J. Bavaniya conducted the laboratory sessions. Prof. P.D. Solanki, Shri R. K. Patel, Shri J.B. Valaki and Ms. Nayana Gandhi rendered their honorary services by conducting the theory sessions. The participants appreciated the programmes very much and demanded continuation of the course.

- ⑧ A training course on “Working with AutoCAD” was organized from 18<sup>th</sup> to 22<sup>nd</sup> Dec., 2008 for 40 participants from ITI and draftsmen working in the industries. In all 1200 manhours training was imparted. The course was jointly coordinated by Ms. R. P. Vyasa and Shri S. S. Pathan. Prof. P. D. Solanki, Shri P.M. Vaghela (LME, Govt. Polytechnic Vadanagar) Ms. R P. Vyasa , Shri S.S. Pathan rendered their honorary services by taking the theory and practical sessions. The participants learnt creating 2D Entities, Modifying 2D Entities and Solid modeling and layers during the course. The response of the participants was quite encouraging.

## 3. IUCEE ACTIVITIES :

L.D.College Of Engineering has been selected as Regional Centre for Indo-US Collaboration for Engineering Education. At meeting of all regional centres of IUCEE on 20<sup>th</sup> to 21<sup>st</sup> Dec 2008, the activities reported by Ahmedabad centre were showcased as a role-model and were rated highly by IUCEE Board members from the US Federation, ISTE and Infosys. Next training schedule by eminent US experts in Computer, EC, Civil and Mechanical Engineering will be held in June 2009. Preparation of Learning Resources/DVDs for trainings based on these courses is currently undertaken by IUCEE to train as many faculty in India as possible.

## 4. PAPERS PUBLISHED/PRESENTED IN TECHNICAL JOURNALS/CONFERENCE :

### ⑧ Civil Engineering Department :

- \* A paper on “Heterogenous traffic flow modeling for an arterial using grid based approach” was published in International Journal of Advanced Transport Engineering by Dr.P.J.Gundaliya.
- \* A paper on “Mode choice model for motorized trips for students-A case study of Ahmedabad City” was published and presented by Dr.P.J.Gundaliya at International Conference TPMDC 08, IIM Bombay.
- \* A paper on “Road accident scenario of Urban

area : **A case study of Gujarat state**” was published by Dr.P.J.Gundaliya in Highway Research Journal.

- \* A paper on **“Mathematical modeling for transport mode choice : A case study of University area of Ahmedabad city”** was published by Dr.P.J.Gundaliya at IAMTES-2008 at BVM, V.V.Nagar.
- \* A paper on **“Watershed development plan in Semi arid region, A case study of Panchmahal and Dahod district”** was published and presented by Prof.(Dr.)N.K.Sherasia and Ms.Sheth Shruti at WATCON 08, MSU, Vadodara.
- \* A paper on **“Change detection of salinity increase in Bhavnagar District using GIS”** was published and presented by Prof.(Dr.)M.B.Dholakia and Shri.Dipen Shah at WATCON 08, MSU, Vadodara.

### ⑧ Applied Mechanics Department :

- \* A paper on **“Software for performance criteria and retrofitting of existing building”** authored by Dr. R. K. Gajjar, Professor & Sandip Patel, M. E. Student was published in 6<sup>th</sup> Structural Engineering Convention (SEC-2008), SERC, Chennai, December 2008.
- \* A paper on **“Buckling performance of Double layer Steel Braced Barrel vault”** authored by Dr. B. J. Shah, Assistant Professor & Mulesh K. Pathak, M. E. Student was published and presented by Mulesh K. Pathak in 3<sup>rd</sup> National Conference on Current Trends in Engineering (NUCONE-2007), Nirma University, Ahmedabad, November 2008.
- \* A paper on **“Parametric study of Buckling strength of Single layer Steel Braced Barrel vault”** authored by Dr. B. J. Shah, Assistant Professor & Mulesh K. Pathak, M. E. Student was published and presented by Mulesh K. Pathak in 6<sup>th</sup> Structural Engineering Convention (SEC-2008), SERC, Chennai, December 2008.
- \* A paper on **“Study of dynamic response of building by Shake Table testing”** authored by Prof. C. S. Sanghvi, Assistant Professor & Dhyani H. Jadav, M. E. Student was published and presented by Dhyani H. Jadav in 3<sup>rd</sup> National Conference on Current Trends in Engineering (NUCONE-2007), Nirma University, Ahmedabad, November 2008.
- \* A paper on **“Seismic qualification of Industrial structures”** authored by Prof. C. S. Sanghvi, Assistant Professor & Mayur D. Patel, M. E. Student was published and presented by Mayur

D. Patel in 6<sup>th</sup> Structural Engineering Convention (SEC-2008), SERC, Chennai, December 2008.

### ⑨ Mechanical Engineering Department :

- \* Prof. (Ms) B. V. Dave presented a paper on **“Synthesis And Characterization Of Cuprate Superconductor  $\text{LaBa}_2\text{Cu}_3\text{O}_{7-x}$  By Wet Chemical Method”** at a national event of National Symposium on Cryogenics-22(NSC-22) organized at IISc, Bangalore from 4/12/2008 to 6/12/2008.
- \* Prof. (Ms) B. V. Dave presented a paper on **“Recovery Of Refrigeration Effect During LNG Storage Transport And Regassification System”** at a national event of National Symposium on Cryogenics-22(NSC-22) organized at IISc, Bangalore from 4/12/2008 to 6/12/2008.
- \* Prof. (Ms) B. V. Dave presented a paper on **“Engineering Studies Related To Fixed Bed Absorber For Fission Gas Adsorption At Cryogenic Temperature”** at a national event of National Symposium on Cryogenics-22(NSC-22) organized at IISc, Bangalore from 4/12/2008 to 6/12/2008.
- \* Prof. (Ms) B. V. Dave presented a paper on **“Radiation Effects on Insulation System for Superconducting Fusion Magnets”** at a national event of National Symposium on Cryogenics-22(NSC-22) organized at IISc, Bangalore from 4/12/2008 to 6/12/2008.
- \* Prof. (Ms) B. V. Dave presented a paper on **“Optimization Of Skirt Height For Minimal Heat In Leak For Vertical Cryogenic Storage Vessel”** at an international event of Advances in Mechanical Engineering(AME-2008) organized at SVNIT, Surat from 15/12/2008 to 17/12/2008.
- \* Prof. (Ms) J. M. Patel and Prof.P.K.Shah presented a paper on **“Application and analysis of CPC(Compound Parabolic Concentrator)”** at an international event of Renewable Energy Asia-2008 & 4th SEE Forum organized at IIT, Delhi from 11/12/2008 to 13/12/2008.
- \* Prof. (Ms) J. M. Patel and Prof.P.K.Shah presented a paper on **“Plausibility of Variable Acceptance Angle CPC: A Review and Evaluation”** at an international event of Advances in Mechanical Engineering(AME-2008) organized at SVNIT, Surat from 11/12/2008 to 13/12/2008.
- \* Prof.N.K.Panchal presented a paper on **“Design and Optimization of Critical Dimension of Fire Fighting Nozzle through CAD”** at a national event organized at Institute of

Technology, Nirma University, Ahmedabad from 27/11/2008 to 29/11/2008.

### ③ Chemical Engineering Department :

- \* A paper on “**Novel Medical Methods, Materials and Devices**” was presented at an International Conference on “Medical Materials, Devices and Regenerative Medicine(MMRDM) organized at Nepal from 23/11/2008 to 25/11/2008 by Prof.D.J.Desai and Ms. R. N. Desai.

### 5. TESTING / CONSULTANCY WORK :

#### ③ Textile Technology Department :

Testing Amount : Rs.13202 /-

#### ③ Environment Engineering Department :

Testing amount : Rs. 1,30,000 /-

Consultancy : Rs. 2,13,500 /-

Total amount : Rs. 3,43,500 /-

### 6. FACULTY ACTIVITIES :

#### ③ Civil Engineering Department :

- \* Dr. P. J. Gundaliya became a Member of Editor Board in International Journal of Emerging Technology and Applications in Engineering, Technology and Science(IJ-ETA-ETS).

#### ③ Environment Engineering Department :

- \* An expert lecture titled “Environmental Impact Assessment” was delivered by Prof.N.S.Varandani at Parul Institute of Engineering & Technology, Vadodara on 8<sup>th</sup> Dec 08.

#### ③ Instrumentation and Control Engineering Department :

- \* Shri.D.H.Makwana has got admission to external Ph.D. course on ‘Robust Control Techniques’ at IIT, Mumbai.

#### ③ Applied Mechanics Department :

- \* Prof. C. S. Sanghvi, Assistant Professor, delivered keynote address on “**Advances in Earthquake Engineering**” in National conference on Advances & futuristic trends in Earthquake Engineering at Atmiya Institute of Technology, Rajkot on 23<sup>rd</sup> November 2008.
- \* Prof. C. S. Sanghvi, Assistant Professor delivered expert lectures on “**Earthquake Resistant Constructions**” and “**Advances in Earthquake Engineering**” in a training programme on Earthquake Resistant Construction for the Executive Engineers & Deputy Executive Engineers of. Roads & Buildings Department of Govt. of Gujarat at Staff Training College, Gandhinagar on 21<sup>st</sup> November 2008.

- \* Dr. B. J. Shah, Assistant Professor along with other team members was deputed for presentation of the project “**e-solution of centralized admission process for professional courses**” in Manthan Award-2008 at New Delhi in October 2008. This project was nominated for this prestigious award of South East Asia.

- \* Dr. B. J. Shah, Assistant Professor along with other team members was deputed for “**study related to online admission process & fixation of fees of professional courses in various states**”. Dr. B J Shah visited Chennai for the same.

### ③ Chemical Engineering Department :

- \* Prof. B. H. Shah & Prof. C. G. Bhagchandani worked as Expert committee members for selection of Adhoc lecturer in Chemical Engineering field for Degree and Polytechnic stream nominated by directorate of Technical Education.

- \* Prof. D. J. Desai & Ms. B. G. Basantani worked as Expert committee members for selection of Adhoc lecturer in Plastics Engineering field for Polytechnic stream nominated by directorate of Technical Education.

- \* Prof. B. H. Shah, Prof. D. J. Desai & Ms. R. N. Desai are member of central purchase committee formed by Directorate of Technical Education for Chemical Engineering & Plastics Technology Equipments.

### 7. INDUSTRIAL PROJECTS UNDERTAKEN :

#### ③ Environment Engineering Department :

- \* Conducting Environmental Studies for the site for proposed Tata Nano project located at village North Kotpura, Sanand.
- \* Monitoring of Ambient Air Quality at Navlakhi and Magdalla ports for one year for Gujarat Maritime Board.
- \* Adequacy of Environmental Management System for proposed expansion for Asiatic Colour Chem Industries limited.
- \* Environmental Audit of industries, which is an ongoing activity for the whole year, requiring periodic monitoring and visits to the industry.
- \* Design of Air pollution control system for Cement industries.

### 8. STUDENTS’ ACTIVITIES :

A website named [www.jagteraho.co.in](http://www.jagteraho.co.in) has been launched by the students of Computer Department of L.D.College Of Engineering, providing various facilities to the students like forum discussions, news, events, mail

sending facilities, file uploading-downloading, file sharing, past examination paper, academic tutorials and notices etc. The website provides special rights to the Faculty members for sending group messages to students, posting notices, time-table and other academic information. It is available on internet and easily accessible.

**⑧ Applied Mechanics Department :**

- \* A group of U.G & P.G students of Applied Mechanics Department won first prize at the prestigious national level competition on Steel structures organized by INSDAG under the able guidance of Prof. M. H. Rangwala, Head of the Applied Mechanics Department. This is the second time that, this department has won the award.
- \* Seven P. G. students of Applied Mechanics Department are placed as mentors to various districts of Gujarat State under the NIRMAL GUJARAT TECHNOSEVA PROGRAMME, an initiative of Hon'ble Chief Minister of Gujarat. Their technical services are being rendered at the Nagarpalika level.

**⑧ Chemical Engineering Department :**

- \* Ms. Hiral Shah an M.E. Student presented a Paper on Application of Nanotechnology in Plastics field with a prospective implementation in epoxy system at Atul Ltd, Valsad Plant , on 5/12/2008.
- \* M. E. students of IInd Semester attended a training programme on Environment Protection related to chemical engineering from 4/12/2008 to 6/12/2008 organized by SPIPA.

**⑧ Environment Engineering Department :  
Industrial visits**

- \* Students of M.E Semester I visited the following places :
- (i) Green Environment Services Co-operative Soc.Ltd., Vatva.
- (ii) Naroda Enviro Projects Limited, Naroda.
- (iii) Odhav Enviro Projects Limited, Odhav.

**9. DEPARTMENTAL ACTIVITIES :**

**⑧ Electrical Engineering Department :**

- \* A Power Computation laboratory for PG students and an exclusive PG library were inaugurated on 22/10/2008 by Shri Jitubhai Mamtora, Managing Director, Transformer & Rectifiers India Limited and Prof. M. N. Patel, Principal, L. D. College of Engineering. The fully furnished laboratory consists of :29 high end PCs and a PC with server, 5 printers, Automatic screen multimedia projector with remote, Centrally

airconditioned with 9 tonne and 3 tonne ACs, Exclusive PG library. The laboratory, along with landscaping of the two gardens of Electrical Department, have been exclusively developed and donated by Transformers and Rectifiers India Limited at a cost of more than Rs. 35 lacs.

**⑧ Environment Engineering Department :**

The department has applied for registration of the Environmental Engg. Lab as approved laboratory of Gujarat Pollution Control Board.

**10. COLLEGE ACTIVITIES :**

**⑧ PG ACCREDITATION :**

- 1 The NBA team visited the Institution in the month of October for granting accreditation to 11 PG programmes run at the college. The marathon spell of the visit consisting of hectic schedules lasted for 3 days i.e from 17<sup>th</sup> to 19<sup>th</sup> October.

**⑧ PLACEMENT SCENARIO FROM JULY TO DECEMBER 2008 :**

Campus interviews were conducted from July to December in which 210 students got selected. Department wise details are as follows :

Department	Placement	Department	Placement
Civil	13	EC	28
Mechanical	45	IC	21
Electrical	21	Computer / IT	26 / 19
Environment	12	Textile	2
Chemical	15	Bio-Medical	5
Plastic	1	Automobile	2

The companies which visited our institute for campus interview were L&T, TCS, Infosys, Tech Mahindra, Shapoorji Pallonji, Tata Power, Linde engineering, L&T ECC, Essar, Infochip, NI, Gea Process, e-infochip, Cybase, Argusoft, Vedanta, GNFC, Welspun, Gujarat Gas, Atul Ltd., Omega Merchants Services, Ingersoll Rand, Jubilant Organosis, Hi-Rel Electronics etc.

**⑧ COLLEGE TO CAREER(C2C) :**

A job fair was organized under the department of Science and Technology on 3<sup>rd</sup> and 4<sup>th</sup> October 2008 at L.D.College Of Engineering. The total number of companies that visited the fair were about 30, most of them being IT and Computer based companies and the total number of candidates that appeared were 2500.

**11. GTU ACTIVITIES :**

GTU(Gujarat Technological University) is established by means of state act(20/2007) and notification of affiliation for approximately 200 colleges, has been done on 8<sup>th</sup> July,

2008. Barring standalone colleges/universities, all engineering, pharmacy and diploma colleges have come under the umbrella of GTU with common curriculum for them. Various new things have been introduced in GTU like :

- \* Unique enrolment number of the student.
- \* Credit based structure instead of marks.

- \* Question papers are sent in electronic form in encrypted fashion. Password for decryption is released 45 minutes before commencement of actual exam. Colleges have to print necessary copies at their premises.
- \* Barcode based answer books numbering.
- \* Hall tickets with scanned photo and signatures. OMR based mark sheets.

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

### Instrumentation & Control Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1.	Train the Trainer	Shri. N. B. Mehta	Govt. Engineering College, Chandkheda	24/11/2008 to 6/12/2008
2	Industry based Project Design for Flexible Curriculum	Shri. N. B. Mehta	R.C.Technical Institute, Ahmedabad	15/12/2008 to 19/12/2008

### Civil Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1.	STTP on Advanced Soft modeling	Prof. K. B. Khasia Shri. V. M. Patel Shri. (Ms.) N. J. Dalal	LDRP Institute of Technology and Research	1/12/2008 to 5/12/2008
2	Transportation Planning and Implementation Methodologies for Developing Countries TPMDC08	Dr. P. J. Gundaliya	IIM, Bombay	3/12/2008 to 6/12/2008

### Computer Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1.	Train the Trainer	Shri. T. J. Raval Shri. C. A. Patel Ms. K. S. Patel Ms. S. A. Joshiara Ms. P. N. Ramanuj	VGEC, Chandkheda	24/11/2008 to 6/12/2008
2	Workshop on Operational Research	Prof. B. V. Buddhadev	IIM, Ahmedabad	10/12/2008 to 18/12/2008

### Mechanical Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1	Advanced Engineering Optimization through intelligence techniques	Shri. J. B. Valaki Shri. M. Y. Patil Shri. D. B. Jani Shri. R. K. Patel	SVNIT, Surat	22/12/2008 to 26/12/2008

2	Workshop on Operational Research	Prof. P. B. Patel	IIM, Ahmedabad	10/12/2008 to 18/12/2008
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**Applied Mechanics Department :**

Sr.No.	Title	Name of Staff	Place	Duration
1	Codal provisions on IS.800-2007	Shri M. H. Aghara Shri M. H. Lunagaria	Mumbai	17/11/2008 to 18/11/2008

13. M. E. DISSERTATION :

**Instrumentation and Control Engineering Department :**

Sr.No.	Title	Student	Guide
1	Computive Analysis of Stepper Motor Drives Implementation	Hetal.M.Solanki	Shri.U.V.Shah Shri.R.C.Patel
2	Implementation of FPGA based square wave generator using embedded tool-Altium Designer 6.7'	Mitul Patel	Prof. N.N.Bhuptani
3	RTD Calibrator with Lab view based Testing Facility	Khyati Gor	Prof. N.N.Bhuptani
4	Development of CCD Controller for Scientific Application	Mohammad Shoaib Khan	Shri.U.V.Shah Shri.D.H.Makwana
5	Development of Fingerprint Matching Algorithm using MATLAB	Janki Thakkar	Shri R.C.Patel
6	Switch Mode Power Supply	Jigar.S.Barot	Shri.U.V.Shah Shri.N.B.Mehta

**Mechanical Engineering Department :**

Sr.No.	Title	Student	Guide
1	Design and Analysis of Warping Drum (REEL) of Section Warping Machine used in Textile Industries	Prajapati Niravkumar J.	Prof. I. H. Bhoraniya
2	Modeling Analysis and Approximation to Optimum Design of Motor Cycle Frame Using Finite Element Analysis	Kanishk Brahmhat	Prof. U.V. Shah
3	Design and Analysis of Piping System Carrying two Phase Flow	Vora Nolish M.	Prof. N. K. Panchal
4	Design of LNG Storage Spherical Tank And LNG Plant Study	Sukla Hardik H.	Prof. D. C. Solanki Prof. R. O. Paliwal
5	Important Parameter Analysis of Cryogenic Application in Skin and Eye Surgery	Gojiya Rachana V.	Prof. D. C. Solanki Prof. R. O. Paliwal
6	Nitrogen Adsorption Characterization of Activated Charcoal for Cryogenic Application	Mistry Piyush M.	Prof. D. C. Solanki Prof. R. N. Mehta
7	Conceptual Design of Cryo pump and Analysis of Cryopanel	Nair Jayshri N.	Prof. D. C. Solanki Prof. R. O. Paliwal

**Electrical Engineering Department :**

Sr. No.	Title	Student	Guide
1	Simulation of Transients in Power System	Mr.Jigneshkumar Baldevbhai Pujara	Prof. B A Shah

**Electronics and Communication Engineering Department :**

Sr. No.	Title	Student	Guide
1	Implementation of LMS,RLS,GORDAN and second order statistics based Equalization techniques in MATLAB	Kunal Parikh	Prof. K R Parmar
2	Implementation of CDMA 2000 channels & RF design considerations in MATLAB	Jambucha Beena K.	Prof. K R Parmar
3	Basic study and planning of GSM Transmission Network	Modaiya Shahid Md.	Prof. K R Parmar

**Applied Mechanics Department :**

Sr. No.	Title	Student	Guide
1	Automated performance criteria and retrofitting of existing building	Sandip Patel	Dr. R. K. Gajjar
2	Parametric study on dynamic analysis of 14 m. high framed foundation for rotating machine	Brijesh Sapariya	Prof. R. M. Manvar
3	Design Automation of L, T & + shaped R.C. Columns using Neuro computing approach	Alpa J. Shah	Dr. V. S. Purani

**Environment Engineering Department :**

Sr. No.	Title	Student	Guide
1	Cow dung conversion to biogas using HM-AMBR- a novel Anaerobic Bioreactor(Hydrodynamics and Treat ability studies)	Dipsha.P.Shah	Prof.N.S.Varandani
2	Evaluating the option of Dual Media Upflow Anaerobic filter(DM UAF) for treatment of textile process wastewater	Maulika Shah	Ms.M.J.Pandya

**Civil Engineering Department :**

Sr.No.	Title	Student	Guide
1	Road Accident Analysis: A case Study of Vadodara City	Shah Chintankumar.R	Shri H. K. Dave
2	Prioritization of Network Links of Core Network of Gujarat	Dhiru C.Pansuriya	Dr. N. C. Shah and Dr. P. J. Gundaliya
3	Drainage Requirement in Irrigation Command with special preference to Sardar-Sarovar Project	Ms. Shilpa N.Chavda	Prof. S. A. Trivedi
4	Optical irrigation scheduling in Canal Command with special reference to Sardar-Sarovar Project,	Ms. Poonam K. Chhanbar	Prof. S. A. Trivedi
5	Prioritization of land for Conservation Measures based on Run-off Sediment Yield Estimation Employing geoinformatics Techniques	Ms. Shruti R.Sheth	Prof. (Dr.) N.K. Sherasia
6	Geoinformatics in the Development of an Integrated Model for Land Degradation Due to Salinity Ingress with a Specific case Study of a Part of Bhavnagar District, Gujarat.	Mr. Dipen Shah	Prof. (Dr.) M. B. Dholakia
7	Performance study of ETP and Treatability study of Textile Industry Effluent	Mr. Prakash P. Kadia	Shri. S. S. Singh

**Chemical Engineering Department :**

Sr.No.	Title	Student	Guide
1	CDM Technology	Ms.Anjali Patel	Prof. B. H. Shah Ms. R. N. Desai