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CONTENTS

- 1. Principal's speech on Republic Day 1
- 2. Papers Presented/Published 2
- 3. Departmental Activities 4
- 4. Faculty Activities 4
- 5. Students' Activities 6
- 6. College Activities 6
- 7. Industrial projects undertaken 7
- 8. Testing / consultancy work 7
- 9. Programs participated by Faculty 8
- 10. M.E. Dissertation 11

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BOOK-POST

To, _____

1. PRINCIPAL'S SPEECH ON REPUBLIC DAY



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

My dear Professors, Alumni, Students, Staff members, Ladies and Gentlemen...

At the outset, I welcome you on the occasion of both; Republic Day Celebration and Function. Moreover, I wish, all of you a Happy and Prosperous New Year 2010. Today, we all have assembled here to pay collective homage to our great people who gave-up their lives to ensure that their future generations can breathe the air of freedom and can live with dignity. We pay to them heart-felt tribute also.

On 15th August in 1947, we got freedom from British rule. However, our independence struggle was aimed at, not only securing political independence from British Raj, but to secure social and economic freedom to every single soul under the blue sky of India. Freedom struggle was committed to secure freedom from hunger, poverty, ignorance, exploitation, injustices of all kinds. To achieve above goals, lots of pain have been taken by them, to provide us a constitution to rule / to govern.

Our country is a Union of States. It is a Sovereign Democratic, Socialist and Secular Republic with a parliamentary system of Government. The Republic adopted by the Constituent Assembly on 26th November 1949 came into force on 26th January 1950. Hence, first Republic day was celebrated on 26th January, 1950. Thus, Colonial State changed to a Welfare State.

On this occasion, let us think for a moment, what should we do so that our youngsters, our future generation can remember us? They will remember us, praise us, provided we gave them prosperous and safe India, where economic prosperity is coupled with civilization of old heritage. Therefore, we have to emphasize today 'to wipe every tear from every eye' and Education will play vital role in this regard.

On this occasion, let me remind you the vision of our visionary Honourable Chief Minister Shri Narendra Modi.

He said,

'My vision is that each and every student in Gujarat is employable.'

Great Statesman, Chanakya says,

'Education is the best friend.'

An educated person is respected everywhere.

Education beats the beauty and youth.'

According to Great scientist, philosopher Aristotle,

'The educated differ from uneducated

As much as the living from dead.'

Looking to above, our teachers community is special one. We are supposed to be sincere and responsible persons. Let us develop positive thinking for change. We all have realized that change is permanent and nothing else.

Therefore,

1. Be alert for first signs of change
2. Anticipate change even when things are going right.
3. Always look at the opportunities that change represents.
4. Do not allow routines to become chains.
5. Keep renewing yourself.
6. Surround yourself with people who are open to change.
7. Change is Universal.
8. Be ever willing to change, as change alone leads you to success and happiness.

On this occasion, I must not forget to bring to your knowledge that, we have achieved excellence in teaching, in management / administration, with the help of positive attitude of my faculty, staff and students for change, and by use of Information and Communication Technology (ICT).

The admission system for B. E., B. Tech., B. Pharm. and D. Pharm. is made online.

The Examination system for M.B.A./M.C.A. i.e. GCET is changed to online. Any state level entrance test is conducted online for the first time.

The assessment is changed to online i.e. E-assessment for M. Tech. level.

We have received prestigious award "**E-India 2009**"

for ICT Enabled University from Ministry of Communications & Information Technology and also bagged the "**Manthan Award 2009**" from Digital Empowerment Foundation. It is indeed a matter of pleasure and prestige that GTU, which is the largest university of the State, in its birth period own such national and international awards. Credit goes to all those members, who helped in such a vast endeavour.

The State is completing 50 years of its formation and is celebrating its Golden Jubilee "**Swarnim Gujarat**". The celebrations are not only for achievements of past i.e. the glorious journey that Gujarat has been through over the years and for landmark achievements across sectors but also for a vision – A vision of even better Gujarat, A vision of a prosperous Gujarat, A vision where every Gujarati person is educated, A vision where every Gujarati person is healthy, A vision of a clean Gujarat, A vision of Green Gujarat, A vision of modern Gujarat.

Every person of Gujarat can be partner in this vision of a "Golden Gujarat". He can do so by contributing in whichever manner he likes. What is required is only one pledge – a pledge of determination with dedication. The time has come now to join the celebrations, to be partner in progress of Gujarat to make it truly a "Golden Gujarat".

At last, friends, we promise to continue change in Technical Education for excellence and for fulfilling vision of our Chief Minister i.e. vision of our State for the student community.

With warm regards to all of you,

JAI HIND.

JAI JAI GARVI GUJARAT.

Ahmedabad

Date: 26/01/2010

2. PAPERS PRESENTED/PUBLISHED :

☐ **Mechanical Engineering Department :**

- Prof.D.B.Jani and Prof.S.B.Vala presented a paper on "**Thermal design of exhaust valve**" organized at G.H.Patel College of Engineering, V.V.Nagar from 05/03/10 to 06/03/10.

☐ **Instrumentation & Control Engineering Department**

- Shri N.B.Mehta published 6 technical papers in an International conference/symposium and 4 technical papers in a National conference, as a co-author with M.E. final year students.
Shri R.C.Patel published technical paper based on "**Sliding mode control design using Labview**" in an International conference, as a co-author with M.E. final year students.
- Shri R.C.Patel published technical paper based on "**FPGA based Digital PID Controller implementation using altium designer 6.7**" in an International conference, as a co-author with M.E. final year students.

- Shri K.C.Dave published technical paper based on **“Harmonic Injection Technique to Reduce Harmonic”** in 2nd International conference on RF and signal Processing system, technically collaborated with IEEE, Hyderabad at KLE University on 8th and 9th January 2010.
 - Shri K.C.Dave published technical paper based on **”Frontend converter Design to Reduce Harmonic”** in an International Symposium on control, automation and robotics at Dharmsinh Desai University, Nadiad during 9th and 10th of January 2010.
- **Electrical Engineering Department :**
- A paper on **“Synthesis Of Nanostructured Material By Mechanical Milling And Study On Structural Property Modifications In $Ni_{0.5}Zn_{0.5}Fe_2O_4$ ”** written by Ms.P.N. Sakariya, Lecturer in Physics was published in **‘Ceramics International 36(2010) 947-954’** journal
 - A paper on **“Single Crystal Growth, Surface Microstructure And Thermal Studies Of MOS_2 ”** written by Ms.P.N. Sakariya, Lecturer in Physics was published in **‘PRAJNA-Journal Of Pure And Applied Sciences Vol.17: 170-175,2009. ISSN-0975-2595’**.
 - A paper on **“Synthesis And Characterization Of Cds Nanocrystalline Thin Film And Nanoparticles”** co-authored by Ms. P. N. Sakariya, Lecturer in Physics was published in **‘Proceedings of the International conference on Nanoscience and Nanotechnology, (ICONN-2010) SRM University, Chennai, India. Pg.No. 52-53’**.
- **Computer Engineering Department :**
- Mrs.Hiteishi M.Diwanji presented paper on **“Implementation of RSA Algorithm for 1024 bits”** in an International symposium on **Control automation and robotics** held at DDIT, Nadiad from 09/01/10 to 10/01/10.
- **Applied Mechanics Department :**
- Presentation on International collaborations in engineering education at the **EDGE 2010** global conference on education was done by Dr.R.K.Gajjar at New Delhi on March 4, 2010.
 - V.K.Parikh (PG Student) and Dr.H.S.Patel (APAM) presented paper on **“Structural form and Design of Aircraft Hanger”** in National Conference on **Current Trends of Research and Development: An Indian Perspective (CRDCE10)** at Vasad during January 21-22, 2010.
 - J.P.Malvi (PG Student) and Prof.M.H.Rangwala (PAM) presented paper on **“Variance of Carry over factor, Rotational stiffness and Fixed end moment with Joint factor in Moment distribution method for semi- rigid connection”** in National Conference on **Current Trends of Research and Development: An Indian Perspective (CRDCE10)** at Vasad during January 21-22, 2010.
 - A.G.Hansora (PG Student) and Prof.M.N.Patel (Principal) presented paper on **“Analysis Of Curved Girder Using Auto Redundant Technique”** in National Conference on **Current Trends of Research and Development: An Indian Perspective (CRDCE10)** at Vasad during January 21-22, 2010.
 - Tejas A.Patel (PG Student) and Dr.B.J.Shah (APAM) presented paper on **“Behavior Of Rcc Box Girder Type Superstructure In Curved Bridges Using Finite Element Method”** in National Conference on **Current Trends of Research and Development: An Indian Perspective (CRDCE10)** at Vasad during January 21-22, 2010.
 - Chumbeno Shidio (PG Student) and Prof.B.A.Vyas (APAM) presented paper on **“Guidelines For Beam Column Junction Detailing Considering Indian Construction Practices”** in National Level Technical Festival **CONGNIZANCE, 2010** at IIT ROORKEE.
 - Dhara Purani (UG Student), Prof.C.S.Sanghvi (APAM) presented paper on **“Quantitative Study Of Base Isolated Wooden Model On Uni-Axial Shaking Table”** in National Level Technical Festival **CONGNIZANCE, 2010** at IIT ROORKEE.
 - Prof.C.S.Sanghvi, D.H.Jadav, Dr.H.S.Patil and Dr.B.J.Shah presented a paper on **“Study of response of building model using shake table testing”** in an International Conference organized at BITS Pilani in January 2010.
 - Prof.C.S.Sanghvi delivered a lecture on **“Earthquake resistant Construction & learning from failures”** in the training programme on **“Earthquake Mitigation & Management”** for Dy. Collector, Mamlatdar & Engineers on 9th March 2010 at SPIPA, Ahmedabad.
 - Prof.C.S.Sanghvi delivered a lecture on **“Damage Assessment, Retrofitting & repairs”** at the national level training programme on “Earthquake resistant design” for Architects under the aegis of **National programme for Capacity Building of Architects in Earthquake Risk Management (NPCBAERM)** by **MHA** on 19th March 2010 at School of Architecture, Vidyanagar.

- Prof.C.S.Sanghvi delivered a lecture on “**Blood Donation – Role of Education Institute**” in the State Level Regional conference for blood donation camp organized under the aegis of **Gujarat State Aids Control Authority (GSAC)** on 20th March 2010 at Civil Hospital, Ahmedabad.

□ **Chemical Engineering Department :**

- A paper on “**Biomedical Material**” written by Prof.D.J.Desai, Prof.B.H.Shah and Prof. R. N. Desai was accepted for an International Conference held at Cochin during 28/02/10 to 01/03/10.
- A paper on “**Solar air conditioning**” was presented by Prof.C.G.Bhagchandani at a National Conference on **Smart Energy** organized from 15/01/10 to 16/01/10.
- A paper on “**An Alternative Culture for Ehanol Fermentation (Zymomonasmobilis)**” was presented by Ms.Hiral Pandya at a National Seminar on **Confluence-10** organized at VGEC, on 31/03/10.

3. DEPARTMENTAL ACTIVITIES :

□ **Applied Mechanics Department :**

- Prof. M. H. Rangwala, Prof. C. J. Patel, Dr. R. K. Gajjar, Dr. H. S. Patel, Dr. N. K. Arora, Dr. B. J. Shah, Prof. C. S. Sanghvi, Prof. M. G. Vanza, Prof. P. G. patel, Prof. S. P. Dave contributed towards the preparation of DPR for new PG courses.
- A three day technical programme “**Meet the Professionals, who created path of success....**” was conducted by Applied Mechanics Department on 18th, 19th & 20th January 2010 for the final year students of Civil Engineering and other students. More than 100 students & faculty members participated in the event. Dr S K Jain, Director, IIT Gandhinagar, Shri K C Sampat, Officer on Special Duty, GIDB, GoG, Shri Vatsal Patel, AMC, Shri Bipin Shah, Director, Pyramid Associates, Shri Jaxay Shah, Shri Samir Sinha & Shri Jigish Shah, Directors, Savvy Infrastructures Pvt Ltd, Shri Rajesh Brahmhatt, Director, Safal Projects were the professionals who witnessed the occasion and interacted with the students.
- A unique kind of an event ‘**The Tremor Terror**’ was held during TEQNIX at the department which received an overwhelming response from all over Gujarat. The theme of the event was **SIEMIC DAMPERS**. The event managers were Pragnesh Lad, Daxesh Bhavsar and Dhara Purani, Co-ordinator Prof.C.S.Sanghvi.



A View of Tremor Terror 2010 under TEQNIX

□ **Chemical Engineering Department :**

- PRC cup was organized for Chemical, Rubber and Plastics technology students under the banner of CHRUPLESA (Chemical Rubber Plastics Engineering Students Association) during March 2010.

□ **Civil Engineering Department :**

- WRM Centre Civil Engineering Dept. organized workshop on world water day on 22nd March 2010. Dr.P.P.Lodha co-ordinated the program. Faculty members and students took part in the workshop.

□ **Computer Engineering Department :**

- L.D.College of Engineering organized “**TEQNIX-2010**” from 24/02/10 to 25/02/10. Computer department has initiated following events :
 1. “**Illusion of MAYA**” - The event was all about the use of 3D-Computer Graphics in the world of animation.
 2. “**Cradle of Bytes**” - The event was all about exploring the knowledge of C, C++ and JAVA programming languages.
 3. “**Webofobia**” - The event was about developing a web site.

□ **Electronics & Communication Engineering Department :**

- An expert lecture on “**Wireless Adhoc Network in Mobile Communication**” was organized on 24/02/10.

□ **Electrical Engineering Department :**

- L&T Ltd. conducted a seminar on ‘**Low Tension Switchgear**’ on 23rd February 2010.
- Presentation on ‘**Concentration of Mind**’ by an NGO- ‘Axaya Patra’, on 20th March 2010.

□ **Textile Technology Department :**

- A seminar on “**Designing and Developing Textile Education Programme**” was organized

at the department jointly with **SVPITM, Coimbatore, ATIRA and Textile Committee, Ahmedabad** on 5th March 2010 which received a rousing response from Industry personnel. Prof.G.C.Brahmbhatt and Prof.A.I.Thakkar co-ordinated the programme.

- Prof.G.C.Brahmbhatt, Prof.A.I.Thakkar, Shri H.N.Upadhyaya and Ms.Selin Joseph contributed towards finalization of DPR for newly proposed M.E. programme.

4. FACULTY ACTIVITIES :

□ Instrumentation & Control Engineering Department :

- Prof.N.N.Bhuptani was invited by Veer Narmad South Gujarat University for delivering lecture on ICT in higher Education on 16/01/10.
- Prof.N.N.Bhuptani was invited to participate in the round table discussion in “**Edge 2010**” – New Delhi on 04/03/10.

□ Chemical Engineering Department :

- A project proposal on “**Oil from Sludge(Sugarcane by products)**” was prepared by Shri Naresh Vaghela and Ms.Darshna Chetwani under the guidance of Prof.B.H.Shah, Prof.C.G.Bhagchandani and Prof.Rupande Desai and same was accepted by GUJCOST with financial assistance of Rs.20,000/-.
- An Industrial visit of M/s. Intas Pharmaceutical Ltd. was arranged for the students of M.E.Sem.II (Chem) on 20/03/10. Prof.B.H.Shah, Prof. C. G. Bhagchandani and Ms.Hiral Pandya accompanied the students.
- Prof.B.H.Shah and Prof.R.N.Desai worked as Experts for procurement of Equipments for central purchase committee formed by Directorate of Technical Education for Chemical Engineering & Plastics Technology equipments.
- An expert lecture was delivered by Prof. J. M. Patel on “**Solar Energy**” for Chemical Engineering students on 31st March 2010.
- A Pedagogy meeting was arranged for Faculty members of Chemical Engineering department with Dr. S. A. Puranik on 12th March 2010.Topic was “**Importance of Post Graduate Education**”.
- A Pedagogy meeting was arranged for Faculty members of Chemical Engineering department with Dr. M. C. Chhabaria on 19th March 2010.Topic was “**Role of Engineering Teachers for Society.**”

□ Bio-medical Engineering Department :

- The Faculty members of Biomedical engineering Department, Prof. K. B. Bhojania, Ms. R. P. Nayak, Ms. J. A. Thaker, Ms. J. A. Chauhan and Ms. Bindi Maniar, attended a 6 days workshop on on 6th, 7th, 20th, 21st, 27th and 28th March, 2010 held at PERD Centre, Ahmedabad; organized by Foundation of MSME clusters, under the Department of Science & Technology programme. The main aim of this workshop is to bridge the gap between the Academic institution and Industry.
- All the Faculty members of Biomedical Engineering have visited Hospimedica fair 2010 held at Bombay on 12th, 13th and 14th March, 2010.

□ Mechanical Engineering Department :

- Prof. J .M. Patel was invited by Solar Energy Society of India (Indian section of International Solar Energy Society) as an Invited Speaker for the **International Conference and PV+Solar Expo: Jawaharlal Nehru National Solar Mission: The Road ahead** from 04/03/10 to 06/03/10 held at World Trade Centre, Mumbai. Prof. Patel presented the speech on the topic of “**Building of Technical and Institutional Infrastructure**”. Moreover he presented the development of solar day lighting system.



Bry-Air award being given away to Mr.Gaurang Patel

- Mr. Gaurangkumar P. Patel, student of M. E. Cryogenics, Mechanical Department, L.D.College of Engineering was awarded with Runners up award for “**Excellence in HVAC&R**” in student catalogue during 5th Bry air award held in New Delhi on 8th Jan, 2010, for his work on “**Design of System to Recover Refrigeration Effect during LNG Regassification**” under the guidance of Prof. B.V.Dave. This award is given every year by

Bry-air Asia Pvt. Ltd. for excellence in HVAC & R (Heating Ventilation Air-conditioning and Refrigeration) to promote innovation in the field of HVAC & R. The Bry-air Asia Pvt. Ltd. appoint Jury team which consists of top professionals of field for the 5th Bry air award the jury team consisted of Mr. Sunil Advani (Vice President, Blue Star Ltd.), R,V,Simha (Consultant), M.P.Agarwal (ISHRAE, National president), Sanjay Seth (B.E.E.) Dr. Satish Kumar (ASHRAE, USA), Prof. Khar (IIT, Delhi). The key factors kept to short list number of entries sent from all over India were 1.) Innovation 2.) Energy Efficiency 3.) Environment Friendly. Mr. Gaurangkumar P. Patel published National level and International level papers for his work.

□ Applied Mechanics Department :

- Prof. C.J. Patel, Prof. (Dr.) R.K. Gajjar, Prof. (Dr.) H.S. Patel & Prof. (Dr.) N.K. Arora are working as Committee members for Swarnim Gujarat.
- Dr. R. K. Gajjar is working on various GTU committees such as Examinations, Curricula, Norms for PhD.
- Dr. R. K. Gajjar is reviewing and comments on TEQIP-II reforms and various requirements for implementation.
- Prof. C.S. Sanghvi has taken a course on Retrofitting for Architects on 20th & 21st March, 2010.
- A visit to Seismological Research Centre (ISR) was organized on 19th January by Prof.C.S.Sanghvi. Students learnt Seismology along with earthquake recording procedure during the visit.
- Congratulations to staff of Applied Mechanics for helping first year students to achieve highest result in Mechanics of Solids (MOS) in entire Gujarat.

□ Environment Engineering Department :

- Prof. Dr. N.S. Varandani delivered a lecture on “**Pollution Prevention and Energy Saving at Cupola Based Furnace**” at **International Foundry Congress** organized at Gujarat University Ground on 07/02/10.
- Ms.H.S.Syed delivered a lecture on “**High rate anaerobic reactors**” at STTP titled **Anaerobic Treatment technologies** organized at SVNIT Surat on 25/02/10.
- Ms.M.J.Pandya delivered a lecture on “**Mobile based Sewage treatment plant**” at STTP titled **Anaerobic Treatment technologies**

organized at SVNIT Surat on 25/02/10.

- Prof.Dr.N.S.Varandani delivered a lecture on “**Cost of Pollution Control Is it Unbearable?**” organized at Zydus Cadila **EHS meet 2010** on 26/02/10.
- Prof.Dr.N.S.Varandani delivered a lecture on Water Quality Index & Issues for Gujarat State Working a World Water Day on 22/03/2010 at WRM, L.D. College of Engineering, Ahmedabad.
- Lab scale working model of Bi phasic Anaerobic Migrating Blanket Reactor was set up by Prof.Dr.N.S.Varandani.

5. STUDENTS' ACTIVITIES :

□ Mechanical Department :



Students of Mechanical engineering at ATV competition

- Project SAE BAJA-2010 is a technical competition of ATV (All Terrain Vehicle) made by automobile and mechanical engineering students of engineering colleges from all India. From our esteemed institute 23 students of automobile & mechanical engineering including 2 girls, under guidance of two faculty advisors Shri D.B. Jani and Shri M.C. Gohil, participated in competition with the ATV made by students after one year of hard work and under guidance of our college co-ordinator, Prof. P.D.Solanki (Prof. & Head of Mechanical Engineering Department) & Prof. K.P.Trivedi and lecturers of Automobile engineering, Shri K.V.Fadadu and Shri B.H.Kadiya.
- A paper on “**Growth Surface Structure and Normal State Transport Properties of High Temperature Superconducting Films**” was presented by N.C.Pandya and Prof.B.V.Dave at **Gujarat Science Congress – 2010** organized at Gujarat University, Ahmedabad on 21/03/10.
- A paper on “**Synthesis and Characterization of Zn Doped YBCO High Temp. Superconductor**” was presented by C.J.Shah

and Prof.B.V.Dave at **Gujarat Science Congress – 2010** organized at Gujarat University, Ahmedabad on 21/03/10.

- N.C.Pandya, C.J.Shah and Prof.B.V.Dave jointly presented a paper on “**Synthesis and Characterization of Electron Beam Evaporated HTSC Thin Films for Microwave Applications**” in **INSPIRE-10** organized at C.K.Pithawala College of Engineering and Technology on 25/03/10.
- N.C.Pandya, C.J.Shah and Prof.B.V.Dave jointly presented a paper on “**Synthesis, Structural and Superconducting Properties of YBCO High Temp. Superconductor**” in **INSPIRE-10** organized at C.K.Pithawala College of Engineering and Technology on 25/03/10.

□ **Bio-medical Engineering Department :**

- The 4th , 6th and 8th semester students of Biomedical engineering department visited HOSPIMEDICA fair 2010., held at Bombay on 12th, 13th and 14th March, 2010.

□ **Electronics & Communication Engineering Department :**

- The following tours were conducted for the students of the department :
1) Radio Mirchi, Ahmedabad-12/03/10
2) Sonic Technology,Gandhinagar-23/03/10.

□ **Electrical Engineering Department :**

- J.B.Modi, M.E. Student presented a paper on “**Optimal Dispatch Using FACTS Devices In Deregulated Market Structure**” at a National Symposium on **Recent trends in Electrical Engineering** organized at GCET, Vallabh Vidyanagar from 07/01/10 to 08/01/10.
- N.V.Sinha, M.E. Student presented a paper on “**Blue Tooth Based Speed Controller For D.C.Motor**” at a National Symposium on **Recent trends in Electrical Engineering** organized at GCET, Vallabh Vidyanagar from 07/01/10 to 08/01/10.
- J.B.Modi, M.E. Student presented a paper on “**Loss Reduction Technics For Distribution Systems**” at **Technospire- National level Technical Event** organized at VGEC, Chandkheda from 25/03/10 to 26/03/10.
- N.V.Sinha, M.E. Student presented a paper on “**Wireless Speed Controller For D.C. Motor**” at **Technospire - National level Technical Event** organized at VGEC, Chandkheda from 25/03/10 to 26/03/10.

□ **Chemical Engineering Department :**

- Ms.Twinkle H.Shah & Mr.Paresh Rana wrote a paper on “**Energy Conservation in Distillation Column**” which is selected for publication in an International Journal of Power Engineering.
- The following students of M.E.Chemical Engineering, Sem I and Sem II presented various papers at **Confluence-10- A National seminar** held at VGEC, Chandkheda on 31st March 2010 :

Names	Subject
Ms.Nidhi/Ms.Mayuri	Chromium removal by Membrane Technology
Ms.Nidhi/Ms.Jyoti	Recovery Surfactant from aqueous solution
Ms.Mansi/Shri Manoj	Advanced Drying Technology
Ms.Mansi/Ms.Shefali	<ul style="list-style-type: none"> ▪ Bioremediation ▪ Global Warming(Poster paper)
Ms.Darshna/Ms.Kangana	<ul style="list-style-type: none"> ▪ Pinch Technology ▪ Cryogenic Grinding(Poster paper)
Shri Ankit/Shri Manoj	Hydrogen Fuel
Ms.Chinkle/Ms.Twinkle	Cleaner Production Methodology

- Ms.Shefali, Ms.Mansi and Ms.Kangana, students of M.E.Chemical 1st year prepared a model on “**Solar hot dog Cooker**” and presented the same at a National Seminar on **Confluence-10** organized at Chandkheda, Vishwakarma Government Engineering College on 31/03/10.
- The students of M.E.Sem.II(Chem) along with two faculty members attended a lecture on “**Industrial Fermentation**” by Prof.U.B.Bhatt, Microbiology department, Gujarat College, Ahmedabad, which was telecast under BISAG project on 09/03/10.
- An expert talk was organized on “**Kaizen**” on 05/03/10 for Plastic technology students by Dr.J.M.Patel.
- An expert lecture series was organized on “**Importance of Rubber Compounding Materials**” by Mr.Prakash Patel, an Industrialist during February and March months of 2010.
- One final year student from Rubber Technology and two from Plastic technology cleared CAT Exam and will be appearing for group discussion and PI at IIM and other Institutes.

- 12 students from Chemical Engineering, 03 students from Rubber technology, 05 students from Plastics technology appeared for GATE exam.
- Mr. Devendra Gandhi, Sem.III Rubber Technology student presented a paper on “**Hydroxyterminate- Butadiene Rubber as Rocket Propellant**” for Rubber Asia Journal (February 2010) - an International magazine.
- Mr. Devendra Gandhi, Sem.III Rubber Technology student presented a paper on “**Palm Oil use as manufacturing of Polyurethane and Biodesel**” at National Seminar on **Confluence-10** at VGEC, Chandkheda on 31st March 2010.

□ **Applied Mechanics Department :**

- A team of students participated in national level technical festival **COGNIZANCE, 2010** organized from 26th to 28th March 2010 at IIT Roorke. **Ms. Chumbeno Shidio** stood 3rd with a prize money of Rs.1000/- and **certificate of excellence** & **Ms. Dhara Purani** stood 4th in the competition and 1st amongst the U.G. participants. They also participated in **IDEAZ** paper presentation competition on earthquake and were amongst the **sixteen teams** selected from all over India.
- Other event was spotlight – supported deck arch bridge, in which participants had to **design a supported deck arch bridge using popsicle sticks (ice-cream sticks) satisfying the stated constraints**. There were 3 rounds (i) dimension and aesthetic round, (ii) load testing and (iii) viva-voce to test the participants’ knowledge.
- The 1st team consisted of **Mr.Chauhan Yogesh & Mr.Naik Rutvik**. They secured 7th position amongst 73 teams from all over India. They got **certificate of excellence**.
- The 2nd team consisted of **Ms.Dhara Purani & Mr.Rathod Vaibhav**. Their bridge showed good result as per judges’ opinion. They got **certificate of participation**. Organizers gave the prize money to 1st, 2nd, 3rd and certificate of excellence to first eight positions.
- A site visit of “**Satv**”, G+10 storey building, a project by Ganesh Housing was organized on 20th January 2010.

□ **Computer Engineering Department :**

- Following Students of VII Computer Engineering participated in **Microsoft Imagine cup-2010** in the event “**Game Designing**” : Sumit Kumar, Vivek Vaghela.

- Students of B.E.Sem-VI organized one day work shop – “**PSYCHO C**” on 20/3/10.
- Following students participated in the national level event “**ABU ROBOCON-2010**” held at Pune on 04/03/10.They were able to stand in the position of super - eight . More than 50 teams from various states have participated in this event: Munshi Juned (B. E. VIII-CE), Aditya Bhatt (B. E. VIII-CE), Ronak Chaudhari(B. E. VI-CE).

6. COLLEGE ACTIVITIES :

- Dr. R. K. Gajjar coordinated Academic Inspection by DTE of all departments.
- Dr. R. K. Gajjar coordinated assessment for Industry collaboration preparedness by CII for all departments.



Prof.M.N.Patel and Prof.P.D.Solanki accepting the key of car donated by Hyundai Concept Motors India Pvt. Ltd.

- Hyundai Concept Motors India Pvt. Ltd, donated a brand new Hyundai concept i-10 car to this College for Practical Academic purpose in the Workshop. The “**Welcome to Hyundai i-10**” ceremony was held in this College on 17th February 2010.Shri Ketan Dalal, Area manager, Hyundai Motors India Pvt. Ltd and Shri Pranav Nanda, Managing Director, Hyundai Concept Motors India Pvt. Ltd, Ahmedabad, were the invited dignitaries from Hyundai Motors.
- A Blood donation camp supported by SBI was organized on 18/02/10 during which 290 bottles of blood were collected. Prof.C.S.Sanghvi is appointed as convener of Ahmedabad Red Cross Centurion Blood Donar’s Club of Indian Red Cross Society and will represent Gujarat in the National Conference of blood donors at Chandigarh.
- Mini Marathon Run organized by Indian Red Cross Society to promote Blood donation activity on 31st January 2010 which was started from Police stadium & ended at Kochrab Ashram.44

NCC cadets had participated in the marathon & most of them successfully completed the marathon. It was flagged off by Shri Amit Shah, Home Minister GoG. Capt C S Sanghvi has coordinated this event.

- A parade by NCC Cadets along with SUO Chinmay Biswas and SUO Daxesh Bhavsar added glory to the Republic Day Celebration.

☐ **PLACEMENT SCENARIO TILL MARCH 2010 :**

Department	Placement	Department	Placement
Civil	8	EC	19
Mechanical	34	IC	17
Electrical	21	Computer / IT	8
Environment	3	Textile	3
Chemical	13	Bio-Medical	2
Rubber	1	Automobile	4

The major companies which visited our institute for campus interview were L&T, TCS, Cybage, Tata Power, Essar, Vedanta, GHCL, Gujarat Gas, Nokia Siemens, WIPRO BP, Seclore, LNJ Bhilwara, Linde, Zeus and the annual packages offered ranged from Rs.2 lakhs to Rs.4 lakhs.

☐ **TEQNIQ :**

A mega state-based event, covering every area of Engineering and providing a platform to budding technocrats was celebrated during 24th to 25th February 2010. It being one of the biggest technical festival in the state was participated by more than 10,000 participants from across the state. It was inaugurated by R Hari, vice-president of Torrent Power and Y. A. Vohra, Deputy General manager, Bank of Baroda, Gujarat operations on 24th February. A fabulous air-show marked the beginning of the fest. In all 5000 teams competed in the robotics and non-robotics events. In robotics event the major attractions were Volcanica, Robomatrix, Reversweep, Seahorse and the Car Rally. Various papers were presented on a variety of subjects. But it was poster presentation on global warming that stole the show. Further, a seminar on HIV/AIDS was also organized to create awareness. The event concluded with the major attraction being **Glidex** wherein 11 teams floated their remote controlled gliders on GMDC ground in the morning at 9 am.

7. INDUSTRIAL PROJECTS UNDERTAKEN :

☐ **Environment Engineering Department :**

- Consultancy titled: Adequacy of Effluent Treatment Plant of Vinod Fabrics Pvt Ltd.
- Consultancy titled: Performance Evaluation of Mobile sewage Treatment plant at Iscon Green Bopal.

☐ **Applied Mechanics Department :**

- In order to impart theoretical and practical knowledge to both UG and PG students, GSDMA a body playing a vital role in disaster management and mitigation aspects has consented to facilitate up gradation of library and new laboratory set-ups in educational institutes of Gujarat state. L.D.College of Engineering working as a resource institute after analyzing requirements has submitted a proposal for 16 selected institutes running Civil Engg. Courses across the state which includes Rs.1,50,000/- for purchase of books of Earthquake Engg. and Rs.5,00,000/- for laboratory set ups i.e.for purchase of shake tables and 8 models to be supplied to respective colleges by June 2010. Entire project which is co-ordinated by Prof.C.S.Sanghvi amounts to Rs.1 crore - Rs.25.5 lakhs for library and Rs.75 lakhs for laboratory set-up.

8. TESTING / CONSULTANCY WORK :

☐ **Applied Mechanics Department :**

Testing amount : Rs. 1,27,863 /-
 Consultancy : Rs. 1,09,991 /-
 Total amount : Rs. 2,37,854 /-

☐ **Environment Engineering Department :**

Testing amount : Rs. 60,000 /-
 Consultancy : Rs. 1,70,000 /-
 Total amount : Rs. 2,30,000 /-

☐ **Electrical Engineering Department :**

Testing amount : Rs. 50,000 /- (approx.)

☐ **Electronics & Communication Engineering Department :**

Specific area:

Consultancy work of Electronic ticketing machine of GSRTC

Amount : Rs 20,000/-

☐ **Textile Technology Department :**

Testing Amount : Rs.2,816 /-

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

Electronics & Communication Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1	Vector Signal Generator	J.P.Raval, P.V.Pithadia, K.P.Acharya, R.B.Gajjar, U.V.Unagar, M.V.Patel, D.J.Sangani, M.J.Patel, D.T.Ratnakar, All 6th Sem & PG students	Sheth Shri Kasturbhai Auditorium, L.D.C.E., Ahmedabad	02/03/10 to 04/03/10
2	Seminar on Chip Design	J.P.Raval, P.V.Pithadia, K.P.Acharya, R.B.Gajjar, U.V.Unagar, M.V.Patel, D.J.Sangani, M.J.Patel, D.T.Ratnakar, All 6th Sem & PG students	Sheth Shri Kasturbhai Auditorium, L.D.C.E., Ahmedabad	09/03/10 to 11/03/10
3	Intelligent Robotics	K.P.Acharya	IIT,Bombay	12/03/10 to 13/03/10

Computer Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1	Introduction to Robotics	Mr.Chirag Thakar	IIT, Bombay	12/03/10

Electrical Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1	Lecture on "Quality Power" at a Workshop on "Energy Conservation"	Prof. V.B.Babaria	Gopani Polytechnic, Ranpur	06/03/10
2	National Workshop on X-ray Crystallography Techniques and its application NWXRD-2010.	Ms.P.N.Sakariya, Lecturer in Physics	Saurashtra University, Rajkot.	17/03/10 to 19/03/10

Chemical Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1	Bio-medical waste	Prof.B.H.Shah Prof.C.G.Bhagchandani	AMA Hall, Ahmedabad	19/02/10 to 20/02/10

Civil Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1	CCC+	Prof.N.D.Hajjani	Training from private institute and passed exam from SPIPA	06/03/10

Applied Mechanics Department :

Sr.No.	Title	Name of Staff	Place	Duration
1	National seminar on Geotechnical Solution for Hazardous Waste Management.	Prof.M.H.Rangwala, Prof. M.G. Vanza, Shri. S.B. Patel, Shri. S.V. Kapadiya	L.J.I.T., Ahmedabad.	27/03/10
2	Resent Advances in Concrete Technology	Smt. M.D. Vakil	B.B.I.T., V.V.nagar.	04/01/10 to 08/01/10

Environment Engineering Department :

Sr.No.	Title	Name of Staff	Place	Duration
1	Treatment Option for Pharmaceutical	Ms. Apexa Trivedi Ms. Pooja Modi Ms Dimpi Shah	Department of Microbiology, Gujarat University	25/02/10
2	Value based Education & Skill Development – The way forward	Prof.Dr.N.S.Varandani	CII Gujarat state Annual day 2010	18/03/10

10. M. E. DISSERTATION :

Electronics & Communication Engineering Department :

Sr.No.	Title	Student	Guide
1	Design, Calculation And Matlab Programming Of 67.5 Watt, 3Phase Active Stator And Passive Translator Type Linear Switched Reluctance Motor	Patel Nikesh Ishvarbhai	Prof. D. P. Maheshwari
2	Implementation of A Newton Based Optimal Power Flow Into Power System Simulation Environment	Mathukiya Mahendra G.	Prof.J.N.Swami

Environment Engineering Department :

Sr.No.	Title	Student	Guide
1	FPGA Based Digital PID Controller Implementation using Altium Designer 6.7	Manan Modi	Mr.R.C.Patel
2	Sensor network system using modbus protocol	Binal Gandhi	Mr.N.B.Mehta
3	Microcontroller based Programmable Logic Controller using visual Basic 6.0	Hiren Chothani	Mr.N.B.Mehta

Mechanical Engineering Department :

Sr.No.	Title	Student	Guide
1	Design of ¼ Suspension System used in Automobile Vehicle. (Passive and optimized semi Active)	Vishal B.Patel	Prof.P.B.Patel
2	CFD Analysis of air flow around bus body using simulation tool ANSYS-ICEM-CFX	Yagneshkumar A.Joshi	Prof.K.P.Trivedi
3	Deployment of Power roller conveyor for Engine Dress up line	Bharat B.Prajapati	Prof.A.R.Patel
4	Design and Analysis of Various Regenerative Materials and its Effect on the Performance of basic pulse Tube Refrigerator.	Ms.Bansi D.Raja	Prof.J.M.Patel

5	Redesign and development of Spur gear Teeth geometry and their effects on static and dynamic Characteristics	Haider Sabahsalihal-Turaihi	Prof.N.K.Panchal
6	Design and Development of Nitrogen receiver Tank and fatigue analysis using ANSYS 11.0	T.Moasunep Jamir	Prof.N.K.Panchal

Applied Mechanics Department :

Sr.No.	Title	Student	Guide
1	Analysis and design and creation of collapsible barrel roofs	Ajay Patel	Prof.B.J.Panchal
2	Design aids based on IS 800:2007	Pinkal Suthar	Prof.M.H.Rangwala
3	A Methodology to select substructural system for berthing structure-A case study	Pipaliya Nirav V	Dr.N.K.Arora

Civil Engineering Department :

Sr.No.	Title	Student	Guide
1	Recycled asphalt pavement – A study relative to Indian conditions.	V.J.Chitaria	Ms. R.N.Sukla and examined by Prof. L.B.Zala on 22 nd February 2010.
2	Flexible Pavement Evaluation techniques and design : A case study of Rajkot-Jamnagar SH-25.	Panna J. Patel	Ms. R.N.Sukla and examined by Prof. R.H.Pathak on 6 th March 2010.
3	Runoff Assessment Using Arcview SWAT Hydrological Model: A Case Study of Sabarmati River	Yogesh K. Patel	Dr.P.P.Lodha and examined by Dr. R.K.Jain on 30 th January 2010.
4	Remote Sensing and GIS based Water Resources Modeling for Assessing the Irrigation Potential of Nag And Bhukhi Watershed, Kachchh District, Gujarat	Devani Hiral B.	Dr.P.P.Lodha and examined by Dr. J.N.Patel on 17 th February 2010.
5	Drainage of Poned surface By A Trapezoidal Ditch	Vaishali B.patel	Shri. V.M.Patel and examined by Dr. H.M.Gandhi on 2 nd March 2010.
6	Mathematical Modeling of Bed Level Variation in Alluvial Channel	Shruti Verma	Smt. N.J.Dalal and examined by Prof. A.T.Motiyani on 6 th March 2010.
7	Managing Irrigation canal system with Optimum Irrigation Scheduling for Mazam Irrigation scheme	Kaushik J. Prajapati	Dr. M.B.Dholakia and examined by Prof. C.R.Jethwa on 6 th March 2010.
8	Ground Water Condition and quality Improvement through Artificial Water Recharging Techniques in Village of Morbi Taluka	Neha Joshipura	Prof. S. A. Trivedi and examined by Prof. A.K.Singh on 17 th March 2010.