



# THE Gardi TIMES

time to step ahead...

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## ENGINEERING

# YOUTH FIESTA-2015 (EYF15)

**E**YF15 the 6th edition of the tradition set by B H Gardi College of Engineering & Technology alongwith Jay & Genius schools. Was a 4-day technological theme based engineering project exhibition by the students for the society.

## -TECHNOLOGY FOR SOCIAL GOOD



The Inauguration of Engineering Youth fiesta 2015 was held on 23rd April, 2015 at Race-Course Ground, Rajkot. The Honourable his Divine Holiness Swami Parmatmanand Saraswatiji (Aarsh Vidyamandir, Munjka), Swami Nirmalananda Saraswatiji (Talala), Dr. Anamik Shah (Vice Chancellor, Gujarat Vidyapith), Ms. V.V. Bali (Japan), Shri Parakramsinh Jadeja (M.D. Jyoti CNC PVT LTD), Shri Jayeshbhai Shah (M.D. Sonam Quartz), Shri D.V. Mehta (Chairman, Smt. T.V. Mehta Charitable Trust), Shri Prashantbhai Mehta (CEO, Gardi Vidyapith), Dr. S.B. Jadeja (Executive Director, Gardi Vidyapith), Ms. Dimple Mehta (Genius School), Mr. Jay Mehta (Trustee, Smt. T.V. Mehta Charitable Trust) presided over the function. The inaugural ceremony was hosted by Prof. Sujata Wadhwa (B.H. Gardi College of Engineering & Technology).



Dignitaries lightening the lamp



Students, teachers, & society members during the inauguration of EYF15

### Total number of Engineering Project (Theme Wise)

Theme	Projects
Water	16
Energy	42
Health	13
Structure	18
Agriculture	8
Sanitation	5
Information/Security	79
Others	15
<b>Total No. of Projects</b>	<b>196</b>

More than 800 students from all the branches of engineering like ELECTRONICS & COMMUNICAITON, COMPUTER, INFORMATION TECHNOLOGY, MECHANICAL, CIVIL, & MCA exhibited their technical skills with immense zeal.

The aspiring school students exhibited 650 projects.

HEALTH & SANITATION

WATER & AGRICULTURE

ENERGY

STRUCTURE & TRANSPORT

## HEALTH & SANITATION

### Project Title: Soldier Tracing System

Description: This project, is beneficial for soldiers. Through this we can measure the heartbeat as well as track the location of the soldier. This will aid to locate the soldier as well as check whether he/she is alive or not in emergency.

Developed by: Milan Domadiya, Dhara Mulashiya, Brinda Chovatiya and Sachin Sanghani from EC Dept.



"Exercise" supposed to be hard and boring but when it comes with fun and game it becomes more exciting. Rinkal, Ravina, Damini, Isha, Sheetal and Divyasha have developed a small racing game in Python language for the same.



The Trip: Pedal to the Jungle



Blood Donor..... helpful for society

A simple and smart android application has been developed by, Harsh, Monika, Pooja and Rinkal which will help us to find the required donor of blood as well as where to donate blood.

### Project Title: Gesture Controlled Wheelchair

Description: Gesture controlled wheelchair will be helpful for old age persons and physically challenged persons. Wheel chair can move in forward, reverse, left and right direction by hand movement. Control circuit is made by arduino controller and accelerometer is used to detect hand motion.

Developed By: Ajay Jadeja, Parin Hemani, Kushal Pandya, Prashant Modha (6th Electrical) under the guidance of Prof. Dilip Moyal.



Gesture Controlled Wheelchair  
Inspired from Stephen Hawkin's wheelchair

### Project Title: Ecological Toilet

Description: Prevent the pollution of surface and ground water with reuse nutrients or energy contained within wastes.

#### Applications

- Suitable in rural area.
- Advantageous at water logged area.
- At high water table area.

Developed by: Students of 4th sem. Civil



## WATER & AGRICULTURE

### Project Title: Sauni Yojana

Description: Saurashtra-Narmada Avataran Irrigation Yojana (Sauni Yojana) has been launched to divert one MAFt excess over flowing flood water of Narmada allocated to Saurashtra Region.

#### Applications

- To reduce the water scarcity in the Saurashtra region
- To supply the irrigation and domestic water at remote areas of the Saurashtra region

Developed by: Students of 4th sem. Civil



### Project Title: Bicycle running over water surface

Description: It is based on low weight bottles or rubber tubes; it can be used when the water disaster occurs.

Developed By: Budhvani Manish, Sapovadiya Kuldeep, Chotaliya Kishan, Chovatiya Ankit and Bhuva Mohil from Mechanical Dept.

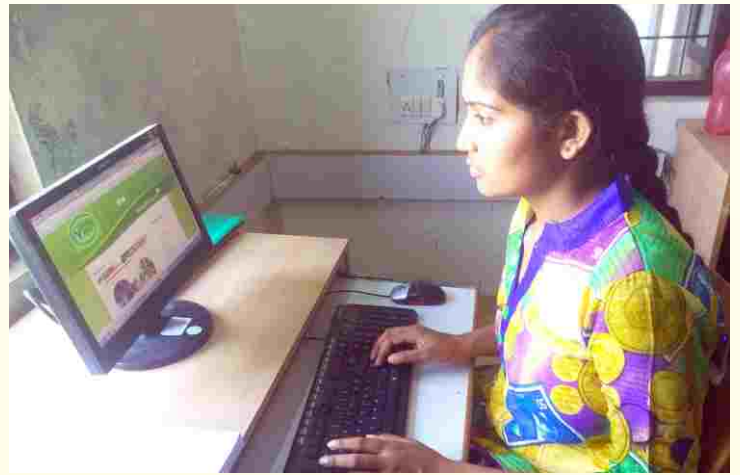


### Project Title: Water Management System with Gallery Gardener

Description: The circuit automatically pumps the water to the upper water tank. It also detects whether the lower tank is empty or not. The circuit also calculates the water consumed by every flat-owner and displays the same on computer. It automatically pumps water into the pot for required time. At the same time, it controls the plants on roof to save them from excessive sunlight.

Beneficiary: Farmers, Nursery, Apartments, Raw-housings, Companies.

Developed By: The students of EC Dept.



Let me code to contribute to the society

### Project Title: @ Khedut Mitra

Description: It is beneficial for farmer to know market price of the crop before selling it to the market on his/her mobile phone without internet. Through this application farmers can choose crops and get price of it as per different city or else they can choose city and get price of all crop with the help of SMS.

Developed by: Priyanka Pambhar from MCA Department



Live Demonstration of the Application

### Project Title: @ Agro Help

Description: To get more profit it may possible that the seller of the Agrochemical and Fertilizers are selling product of same content on different price. This application will help farmer to get different company name and product price which are made up of same content.

Developed by: Sagar Marakana from MCA Department

## ENERGY

An eco friendly, simple and smart way to generate electricity. This working model also gives suggestion about how to charge our mobile when we are doing our morning or evening exercise.



PI CITY.....

### Project Title: Solar Terra Trike

Description: Solar terra trike is indigenously designed vehicle operated by solar energy. It has solar cells charging batteries, dc chopper circuit to provide rated dc power to hub motors.



Future mode of transportation (Solar terra trike) Presented by 8 sem Electrical students, Dhaval & his team in EYF 2015

Developed by: Mehta Dharmeshkumar, More Paresh kumar Rajguruparth, Fatania Dhaval (8thsem Electrical) under the guidance of Prof. A. D. Ved

### Project Title: Thermoelectric Refrigerator

Description: It works on see back effect where two junctions with different temperature, when connected together current can be passed through them. This refrigerator uses less power, has no CFC gases and is cheap in cost. It does not require compressor for its working.



New way of Refrigeration Thermoelectric Refrigerator

Developed By: Akshay Rajguru, Jaydip Chandra, Kishan Beladiya, Dhaval Bhusa (2th Electrical) under the guidance of Prof. Jimil Mehta.

### Project Title: Train that never stop at station

Description: The train itself never stops; it simply trades embarkation capsules as it moves through a station, giving passengers a window of time to board without the train needing to stop.



Developed by: Limbasiya Dhananjay and Sarda Yash from Mechanical Dept.

### Project Title: Multipurpose household helper

Description: Multipurpose household helper is pollution free, low cost and easy to use equipment by which number of task can be performed simultaneously like exercise, washing clothes, atta making etc...



Developed by: Brijrajsinh Sarvaiya, Nitin Pandey, Ketan Parmar and Viral Hirapara from Mechanical Dept.

### Project Title: Mechanical sunflower

Description: Mechanical sunflower is used to get maximum power from solar energy with the use of Hydraulic system and Solar panel is rotating with the orientation of sun.



Developed By: Jeet Trivedi, Harsh Pandya, Umang Trivedi, Kunal Patel and Kishan from mechanical dept.

### Project Title: Theo Jansen cycle

Description: It is a paddle powered walking bicycle which is innovative idea to replace wheel drive and it is efficient on unconventional territory.



Developed By: Prayag Babariya, Pratik Vithlani, Bhavin Chauhan and Rohit Solanki from Mechanical Dept.

## STRUCTURE & TRANSPORT

### Project Title: Bottle House

Description: Use the bottle instead of bricks and mud mortar instead of cement.

#### Applications

- Use for sustainable and green building to develop slum area.
- Use of affordable recycled materials in building.

Developed by: Students of 4th sem. Civil



### Project Title: Smart State Transport

Description: RFID technology based smart system automatically identifies the bus as soon as it enters the bus stand and announces its arrival. A screen is placed in the bus premises to aware the travelers with the arrival & departure of the buses.

Developed by: Dharmesh Vasoya, Mitesh Savaliya, Kishan Joshi and Rana Roy from EC dept.



### Project Title: Straddling Bus

Description: Straddling bus undercarriage rides along the edges of the two lanes. It straddles and vehicles lower than 2 m high will be able to pass underneath the bus.

#### Applications

- Effective in heavy traffic jam area.
- Effective in congested area.
- Good option for public transport.

Developed by: Students of 4th sem. Civil

### Project Title: Automatic Railway Crossing System

Description: This project will be helpful to avoid accident at unmanned railway crossing by putting some restriction at the crossing junction.

Developed By: Bhesaniya Abhisha, Goswami Vaishali, Jadeja Hetal and Rupapra Sudhir From EC Dept.

## GETTING ADEPT

# Rescue Rangers - A Robotic Competition

Objective: To organize a Robotics competition that reflects the work of social search & rescue mission.



Visit by Industry Delegates and Faculty



Awarding Runners up Team - Rs. 2500

### Feedback:

The social benefit of preventing from natural calamities can be targeted by such concept. Excellent Team work and track developed by the Gardians.

- Winning Team

### Outcome:

Classroom STEM concepts are put to the test on the playing field as students learn lifelong skills in teamwork, leadership, communications, and more.

- Prof. S H Bhatt, Mech Engg. Dept.



Finalist Teams



Visitors' Involvement



Awarding Winner Team - Rs. 5000 Cash Prize



Visitors' @ Way

## GETTING ADEPT

# Unleash your Talents, Let your imagination be a POSTER



A tough competition to judge



Artistic Painters



Winners with the talent of painting and sketching



Winner giving her valuable feedback



Enthusiastic parent engrossed with the painting

With the mission of **Technology for social good - Engineering Youth Fiesta - 2015** was held in the lap of Gardi Vidyapith for four days from 23rd - 26th April at Race Course ground. The students presented their skills with many different technical projects. Amongst it, to show the talent and the imagination, **Poster Making Competition** was the part - where the students of different schools and colleges, visitors and very passionate painters participated enthusiastically. There were 3 slots daily where even the faculties and parents showed their creativity in the form of painting. All of them exhibited their talent through their art work.

The themes of painting were Save Girl, Save Trees, Save Water, and Save Earth. The students came up with marvelous painting and sketches. The winners were awarded with the trophies. It was a great collaborative work of all the student' coordinators which was a grand success lead by Prof. Sujata Wadhwa, Prof. Parita Unadkat and Ms. Hiral Ganatra.

- Prof. Parita Unadkat



Importance of trees exhibited



Zealous with the joy of colours



Zealously engrossed for the trophy



Awarding the deserver



Memories last forever



Exhibiting the talent of art



Visitor with the feedback of being happy



Spreading messages in form of art

## GETTING ADEPT GTU Tech Fest 2015

### *Management Conclave-Be the Change*

Under the GTU TECH FEST 2015, the events named **Corpo Ad, Play your company and Company Defined Problem (CDP)**, were organized by the Management department. It was held on 23rd & 24th February, 2015 at **B.H. Gardi College of Engineering and Technology**. All were the most unique competitions in the history of management stream. As before this, no such competition has been held by any institute in the field of management.

In **Corpo Ad**, an inter college advertisement making competition was



organized on 23rd February, 2015. The show witnessed the presence of Mr. Prakash Jain, Marketing & PR Head of Genesis Advertising and Mr. Jaydip Maheta, Unit Head, Divya Bhaskar, Rajkot.

The event was orchestrated to reach



simultaneously the MAM and the MBA grads and the show witnessed entries from 22 teams. The participants showcased their creativity by infusing humor and social message in the advertisements presented. The teams displayed their innovative banners, radio Jingles; the final standings of the winners are:

**1st Prize :** From Christ Institute of Management, Rajkot



**2nd Prize :** From Atmiya Institute of Technology and Science, Rajkot

**3rd Prize:** From Smt. KSN Kansagara Mahila college, Rajkot

On the 23rd, 2015 itself one more event was organized which was **Play Your Company**.

It was an event of expressions and experiments by the students of MAM only. Eight teams from different colleges participated.

The basic idea of this event was to represent a company created by participating team through a role play. Participants role played companies like textile companies, food chains and education services, etc. The students represented all the possible departments of the organizations by playing the roles of representatives of different departments. All the participants executed perfectly and created real environment like company meeting and discussion in front of the judges and audience.

**The winners of the events were :**

**1st Rank:** Pandya Bhaumik, Gohel Prashant, Rupareliya Smeet, Dadvani Jayesh, Solanki Yagnik, Desai Upasana, Gohel Hemangi, Chhelana Dipali from N R Vekariya Institute of Business Management Studies. (Junagadh)

**2nd Rank:** Vasav Buddhdev, Parth Bhoot, Ankita Sankavra, Sagar Ankleshvariya, Hiral Jobanputra, Hardik Nakum, from Kum. M H Gardi School of Management (Rajkot).

**3rd Rank:** Hemangi Thakar, Beena Tank, Jinkal Rajkotiya, Surbhi Ranipa from K S N Kansagra Mahila College.

The whole event was judged by Mr.

Dhruvil Garach, CEO, The View Enterprise, and Mr. Umesh Sujan, Business Development Manager, Tripada Multi Course Pvt. Ltd. (Rajkot).

The organizing team worked tirelessly round the clock, with Asst. Prof. Nilesh Anklesvariya and Asst. Prof. Viral Raval spearheading the show.

On 24th Feb, 2015, CDP competition was all about solving the real problems of the existing companies which they are facing at present. It was exclusively for MBA. The participants were given the case studies of Gujarat Technological University and Rajani Group of companies before 20



days from the competition.

The honourable judges were **Mr. Madhavbhai Rajani**, Director of Rajajni Group of companies, **Mr. Shyambhai Rajani**, Director of Rajajni Group of companies, and **Mr. Ketanbhai Gohel**, Marketing Head, Rajani Group of



companies and also **Dr. Pankaj Ray Patel**, Director - GTU and Associate Prof. **Dr. Jay Badiyani**, **Bhavnagar University**. The event was coordinated by Asst. Prof. Keyur Popat.

The whole event was guided by **Dr. Vishal Khasgiwala**, **Director**, for orchestrating this event and their efforts were certainly visible as the event turned out to be a grand success.

- Asst. Prof. Unnati Vayeda, MBA



## GETTING ADEPT Industrial Visit

The Department of Civil Engineering organized one day Industrial visit to Waste Water Treatment Plant (RMC), Near Raiya, Rajkot on 4th February 2015 for 6th Sem. Civil Engineering students. Total 45 students participated.

The visit was organized as per the Institute guidelines and

recommendations regarding the academic syllabus of 6th Sem Civil Engineering.

Prof. Maulik Panseriya, along with one teaching assistant Miss. Kajal Dudhatra accompanied & guided the students during the visit.

The students carefully studied and observed the complete process of Waste

water Treatment, functions of Its Components, practical method to find out characteristics of industrial waste water. The officials at plants guided the students regarding different aspects & treatment of Industrial waste water and gave the satisfactory answers to different questions raised by the students.

- Prof. Jignesh Shah (Civil Department)



# Gardi's

# Proud and Privilege

**G**ardi Vidyapith once again has set the benchmark and emerged as the driving force for the noble mission of empowering women and heralding a new era of equality by painting the compound walls of Police Commissioner Office, Rajkot with the theme "Women Empowerment" on 16th April at 6:00 am in the morning.

This outstanding and surpassing event is incomplete without expressing the gratitude to the honorable **Mr. Mohan Jha, Commissioner of Police, Rajkot** for his endless and appreciable alliance to strengthen the roots of this lofty goal to nourish bold ideas and bold action, consequently reducing indicators of disparity.



Res. Mohan Jha, Commissioner of Police, Rajkot



નહી કોઈ જોડે દેખાડો, નહી કોઈ ભાષણબાજી, નહી કોઈ રાજકારણ, નહી કોઈ સ્વાર્થ,  
નહી કોઈ વળતરની ભાવના, ફક્ત કંઈક સારુ અને નવુ કરવાનીજ લાગણી...  
STUDENTS ને રોચ્ય માર્ગદર્શન મળે તો તેઓ શું ન કરી શકે  
તેનું આ જીવંત ઉદાહરણ છે.  
- અચ્યાત



Everlasting support to cherish more



Revelations!!!



Swarm of media



Curious media to support



Equality Prevails



Wings of freedom



Carving my own niche



The Initiators



Tools and Techniques



Roots to empower



Curating Perfection



Image in action



The Preparation begins



Highlighting the Crux



Fun Ka Funda

## GETTING ADEPT

*“Proud to be a Leader”*

### Management Experimental Expressions (MX2) - A national level Management fiesta

With the belief of Industry - Institute - Interaction and in accordance with this philosophy, Kum. M.H. Gardi School of Management organized (MX2) on 31st January 2015. And created a history of organizing such event because there is no such competition of national level organized in Rajkot city ever before.

There were basically two type of competitions:

- 1) Business Boomer - Business/Product plan
- 2) Company defined problem-solution

The whole event was commenced from morning 09:00 am to evening 07:00 pm. The event was started with inauguration, followed by the competitions. There were approx. 90 teams

registered from all over the India and 55 teams were present on the day of the event. All the participants were very enthusiastic and having a zeal for winning.

Judges were also invited from the industry, like HDFC Bank, BOI, Krish Consultancy, Balaji Wefares, Yellow Chilli etc.

There was an inspiring speech delivered by Dipak Bhatt Sir - Manager of Global Management services.

The winners got the trophies, certificates, gifts and cash rewards up to Rs. 30,000.

Winning teams were from the following Institutes:

- 1) B.H. Gardi College of Engineering and Technology
- 2) Atmiya Institute
- 3) KSN Kansagara college
- 4) R.P. Bhalodiya college

Apart from being memorable, it was meaningful also; as well-known industrial persons judged the efforts of participants as well as gave their views to the partakers so as to enhance their knowledge and skills.

- Asst. Prof. Unnati Vayeda, MBA



## GETTING ADEPT

*“Winners don't do different things they do the things differently”*

# Campus Placement Drive at MHGSM

To provide the platform to the management glitters of Rajkot region, Kum. M. H. Gardi School of Management organized Campus Placement Drive for Management Students on 11th February, 2015.

MHGSM grabbed the opportunity to place their students as well as the students of management grade of different colleges of Rajkot. More than 70 students from different colleges of Rajkot such as Sunshine Institute of Business Management, R.K. School of Management, TN Rao, etc participated in the interview of CPD.

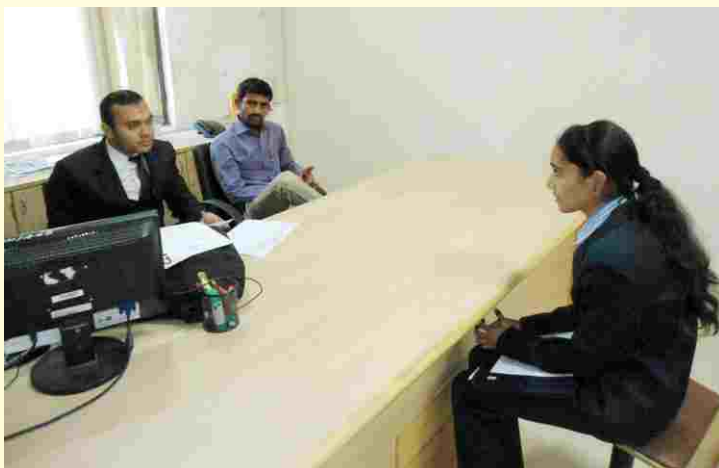
Interview was conducted in MBA block. Renowned companies like Kotak Mahindra Bank, Shiv Hyundai, IB Nissan, Dharkan Enterprise; Sun Forge has tested the students for their requirements.

In first phase, all the company representatives presented a brief about their organizations as well as their requirements. During the discussion they also shared the facts of job market with the students. All the representatives shared their experience and gave their suggestions and tips to all the candidates for their successful career.

More than 30% students had been selected of MHGSM by



 <h2 style="text-align: center;">Kum. M. H. Gardi School of Management</h2>		
 <p><b>kotak</b> Kotak Mahindra Bank Kotak Bank</p>	 <p><b>DHARKAN</b> WHERE POWER SOLUTION MATTERS</p>  <p><b>Vasudha</b> BHARTI ENTERPRISE</p> <p>Dharkan Enterprise / Bharti Enterprise</p>	 <p><b>sun</b> Sun Forge</p>
 <p><b>JJ PV SOLAR</b> JJ PV Solar Pvt. Ltd.</p>	 <p><b>Shiv</b> <b>HYUNDAI</b> Shiv Hundai</p>	 <p><b>Nishan</b> <b>HYUNDAI</b> Nishan Hundai</p>
<h1>Pool Campus Drive</h1> <h2>Dt. 11-02-15</h2>		



recruiters. Representatives of the company had appreciated the efforts of the MHGSM for conducting the CPD in professional discipline.

The whole Placemen Drive was coordinated and managed by Asst. Prof. Samir Dholakiya, Asst. Prof. Unnati Vayeda, and Asst. Prof. Nilesh Ankleshwariya.

**Dr. Vishal Khasgiwala**, the director of MHGSM and **Mr. Prashant Mehta**, CEO of Gardi Vidyapith supported and appreciated the CPD as a whole.

- Assi. Prof. Samir Dholakiya (MBA Department)

## GETTING ADEPT

### An industrial visit to Chandigarh - Shimla

As per the tradition Gardi Vidyapith gives training to the students not only with class room teaching but also with experiential learning.

By following the same, an Industrial Visit was organized by Kum.



M. H. Gardi School of Management to Chandigarh and Shimla for the students of Management on 25/2/15. The main purpose of this trip was industrial as well as cultural exposure

to the students. Chandigarh, famously known as city of gardens, was the first destination where the students landed. After relaxing for few hours, there was a visit of one of the Big industry in public Sector- " HMT Tractors". It was a giant production unit producing tractors as well as CNC machines. Mr. Mohan Lal-PRO of HMT drive all of visitors through the plant. He also shared



aspects of Management and complexities they are going through currently. It was a session of almost 3 hours within the campus of HMT.

After lunch session, it was another

chance of Industry interaction. All reached to Amartex - a famous name in Punjab Region for textiles located at PUNCHKURLA - Chandigarh. The visit started with orientation followed by the production plant visit. Shri N K Mishra guided all the visitors through the plant.

The second phase of the trip was cultural exposure. The students visited Chandigarh city, observed the real cleanliness the city has, traffic rules and town planning which was sector



### *Excellence through Experience*



wise; All were amazed by the fact that how clean and well planned the city was. All also got a chance to visit a market for

purchase of local specialties. The next day all moved to Shimla also known as "city of Snow". Here also all enjoyed too much snow at Kufri, church at Rig, shopping at Mall Road and cold of the whole city.



The trip was planned and organized by Asst. Prof. Samir Dholakiya and supported by Asst. Prof. Nilesh Ankleshwariya and Asst. Prof. Unnati Vayeda. Total 47 students and 3 faculties were the part of this unforgettable and wonderful experience.



- Asst. Prof. Samir Dholakiya (MBA Dept.)



## SOCIALIZING Parent's Meet



Very good tuning between parents and child



Thinking out of the box



Salute to women empowerment



Return to childhood

### Parent's Feedback

From this parents' meeting we came to know what our child is doing and what she should do for her sparkling future. I can proudly say that Riddhi is studying in B.H.Gardi College of Engineering & Technology.

- Shitelben Garsondiya  
(Riddhi's Parents)

Your college is doing excellent work for our children. We came to know that what kind of activity she is doing in college, and we know my child will get success from this college.

- Hemaliben Parekh (Bhoomi's Parents)

It is really unique and different to have this kind of parents' meeting in college. We saw and did the activities which our children have done. Interesting, creative, innovative activities. It was like short movie with happiness, sadness, etc. Thank you Gardi Vidyapith for organizing this wonderful meeting.

- Parmar Kishorsinh G.  
(Bhagyshree's Parents)

It was very nice experience. We like to share our emotions with faculties and other students. I think, twice in semester it should be held, from this we can know progress of our child and also connect with Gardi Vidyapith. Its very good idea for conducting such kind of activity for parents. I am heartily thankful to Gardi Vidyapith.

- P.D. Maru (Dimple's Parents)



Words are not enough to express emotions



Parents @ children's place



'Guru' giving guidance to parents about their child's future



Parents back to class

## GETTING ADEPT

# Industrial Visit at Adani Power Limited Mundra

### Objectives:

- To make the students aware of the real mega industries and how they work practically and role of each and every department individually.
- Role of Engineers in that particular industry.
- To control all the things.
- To develop knowledge and confidence.
- To see the real world of generating electricity.

### Introduction:

- Adani, a global conglomerate with the presence in multiple businesses across the globe, has entered the power sector to harbinging a 'power full' India.
- India's largest and among the world's top 5 single location



thermal power plant at Mundra.

- Adani Power Limited has commissioned the first super critical 660 MW unit in India. Mundra is also the world's first super critical technology based thermal power project to have received 'Clean Development Mechanism (CDM) Project' certification from United Nations Framework Convention on Climate Change (UNFCCC).
- Adani power has capacity of 4620 MW within 9 units (5\* 660 MW + 4\*330MW).

### Outcomes:

- Learn about working of Power plant
- Awareness of the corporate culture

- Utsav C Gor, (6th Mech. D)

## Subjective Quiz

In MCA 4th Semester as a part of revision, Asst. Prof. Ajay A. Ardeshana arranged a "Subjective Quiz". In which a class was divided into two teams and each team required to set 20 difficult questions from separate chapters and opposite team needed to answer all. Main advantage of this activity was that both the teams had to prepare both chapters for setting the toughest questions and another for answering the questions set by the other team. By involving themselves in this activity students revised the content of syllabus to win the contest and it fulfilled the purpose of revision with fun.

- Asst. Prof. Ajay A. Ardeshana



Entertaining subjective Quiz Contest for MIS



Setting toughest question for creating the hurdles for the opponent team





## GETTING ADEPT

### National Day Celebration Of Iran At GTU

Gujarat Technological University had organised 'National Day Celebration Of GCSR (Global Country Study Report) Countries' On 14 Feb. 2015 at Chandkheda, Ahmedabad in which the students of M.H. Gardi School Of Management had participated.

GTU has given the country 'Iran' for GCSR project to Kum. M.H. Gardi School of Management, in which the students have to present on technical and non-technical events.



In the technical event the students of MBA and MAM presented on Iran and the State Of India Nagaland, in which they had discussed about History, Social, Cultural, Political, Economical, SWOT

Analysis with the comparison of India and how we will develop our Business Plan with them.

In Non-Technical event, the students presented the cultural dance of Iran and a small skit regarding the News room discussion on the topic of the relationship between India and Iran.

The performance and the presentation was appreciated by Dr.

Akshai Aggarwal (Hon'ble Vice Chancellor Of GTU, Dr. Zan Oplotnik (University Of Maribor, Slovenia), Mr. Sunil Modi (Board Of Advisor Of GCSR), Shri J.C. Lilani (Register I/C Of GTU), Mr. K.H. Patel (Advisor GCSR), Dr. Shivendra Gupta-Board Of Advisor GCSR And Mr Manoj- Executive Director Of Electrothrmel India Ltd.



### Workshop on "Motion Analysis of Linkage"

A workshop was organized by the Department of Mechanical Engineering on "Motion Analysis of Linkage" for 6th semester students on 27th Jan, 2015 to 31st Jan, 2015 for twelve hours. Total 22 student participated in this workshop. It was conducted by Prof. M. B. Vaghela, Assistant Professor, Department of Mechanical Engineering, BHGCET, Rajkot.

Our main objective of this workshop was to let the student start thinking in the direction of the motion analysis and analytical design of linkage, to get the exposure of linkage design with position analysis to find a position, kinematic analysis to find velocity and dynamic analysis to find acceleration by using CAD software.

In this workshop, there was a brief introduction of linkage, analytical design of linkage, discussed case study on analytical linkage design motion analysis of linkage mechanism for hydro power generation and power press operated by linkage, detailed exposure of mechanism module in solid modeling software, position analysis, kinematic analysis and dynamic analysis by using CAD tool, students designed linkage mechanism and did the motion analysis of wiper mechanism, quick return motion mechanism and mechanism used in hacksaw machine.



- Prof. M. B. Vaghela

## GETTING ADEPT

### Industrial visit to UltraTech Concrete

The Department of Civil Engineering organized a one day Industrial visit to UltraTech Concrete (Ready Mix Concrete Plant), Haripar, Rajkot on 21st March 2015 for 4th Sem. civil engineering students. Total 45 students participated during visit. The students visited at batching plant for ready mix concrete. The plant belongs to Ultra Tech Cement co. Ltd. known as the Unit: 'Ultra Tech Concrete' situated in Haripar Industrial Estate, Kalawad Road, Rajkot. Plant officer, Mr. Kaushik Merja had explained all the technical

details regarding the plants and Laboratory for quality control and various test carried out on concrete components etc. The students learned a lot through this visit. They went through the whole mixing process of concrete, various equipments and machineries like conveyor belt, silo, transit mixing etc and other practical aspects of RMC concrete.

Prof. Maulik Panseriya along with Lab assistant Mr. Dhaval Chavda accompanied & guided the students during the visit.

- Prof. Jignesh Shah (Civil Department)



Memento as a token of love was given by Civil Department to the Plant Officials



Students observing well equipped Laboratories for quality control



Front View of UltraTech Ready Mix Concrete Plant



Gathering with Manager after completion of visit



Knowledge shared by Plant Official



Climbing upstairs to watch Mixing process of concrete



Curing Tank containing Age wise Concrete Cubes



Plant official explaining the process of Concreting

## GETTING ADEPT

### Activity Based Learning to Better Understand the Design Issues of Computer Networks

**B**. H. Gardi College of Engineering & Technology (BHG CET), Gardi Vidyapith Campus, Anandpar always believes in out-of-the-box thinking for the overall development of their students. The college management, in particular, Dr. S. B. Jadeja, executive director, BHG CET always supports and encourages all the faculty members to develop innovative ways to strengthen the teaching-learning process. The institute believes in imparting the knowledge through different types of teaching methodology.

Innovation is the combination of ideas, leader, team and plan. The best example has been shown by all the students of 4th CSE & IT engineering and a Teacher from EC dept. There can be a number of innovative ways to learn a single thing. The institute believes in activity based learning through innovative ideas.

Recently, Prof. Manish Patel arranged an activity based learning session for the topic of "various design issues of computer networks" to introduce the students to the subject of Computer



Networks in a very innovative way. Different designing issues of the computer networks that were learnt, based on the activity are as follows:

- Error control
- Flow control
- Addressing
- Routing
- Message segmentation
- Connectionless services
- Connection-oriented services

To understand the effect of noise and resultant errors in data communication through computer networks, the Error Control activity was performed by the students' group. Here, the analogy was taken with the game that is generally being played by small kids; a queue of the students was asked to pass a message to the last student by speaking to their ears only. The observation was made about whether the original message gets through the channel or not. The similar issue may arise while transmitting data in computer networks. Here, students played the role of nodes available in the subnet.



Ball throwing & catching activity was performed with group of boys to grasp the concept of Flow Control. Prof. Manish Patel, himself, played the role of transmitting node while students were the receiving nodes. The balls were thrown at different speeds as well as randomly and hence it was difficult for receivers to catch the ball and handle number of balls at a time. The students were clearly able to understand that the same thing might arise in networks too. The transmitting and receiving devices must agree upon the rate at which the data will be transferred and how to handle multiple data at a time which can be defined by protocols. The need of protocol was made understood through different activities.

The next big activity was arranged to understand need of numbering the packets or datagram and connection-less v/s connection oriented transmission of packets. In this activity, 2 students played a role of a source host and a destination host and 23 other students played the role of router to form the Internet. The packets needed to be transferred through different paths. As data was passed through different paths, the sequence of the data received was not as per the sequence of the data transmitted by the source host, which made the students understood the need of providing a sequence to each of the packets. At the end, it was crystal clear that all the students were able to grasp the concept and enjoyed as well

Prepared by: Shivani Thakar (4th CSE-A), Hinal Lunagariya (4th CSE-A)

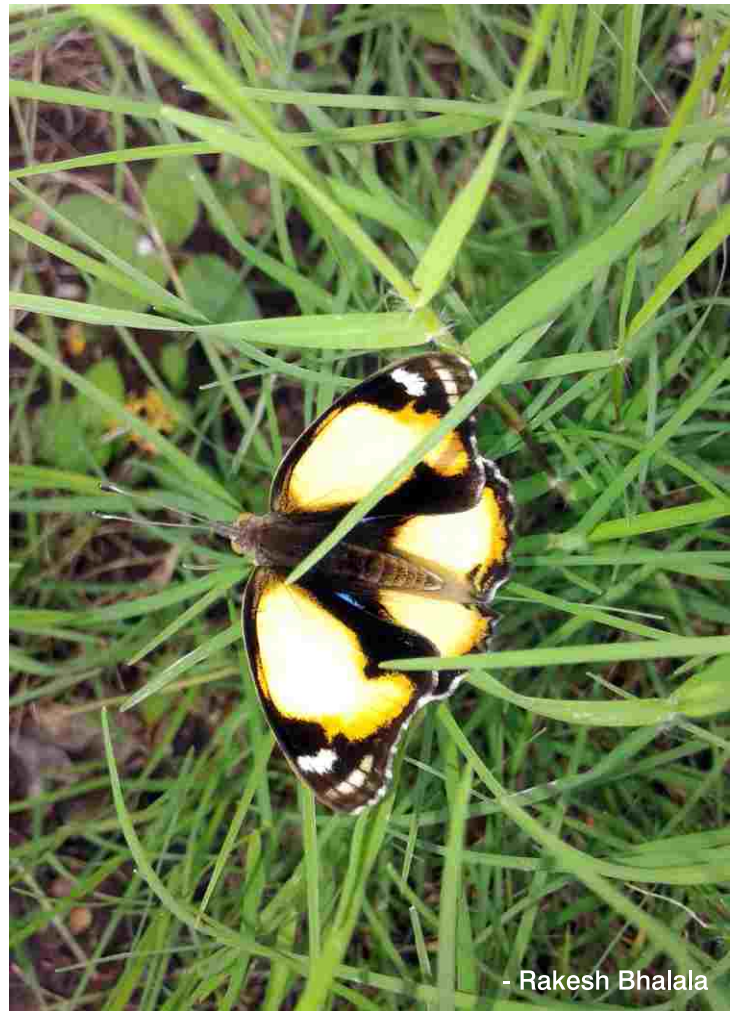
Compiled by: Prof Manish Patel, EC Dept.



## CLICK PICK



- Paresh Chauhan



- Rakesh Bhalala

## FACULTY ACHIEVEMENT

**Dr. Vishal Khasgiwala, Professor & Director, Kum. M.H. Gradi School of Management** Co-authored & published paper on " A study of customer satisfaction & service quality of Indian Hotels( A comparative Study in Indore Region)", in IOSR Journal of Business & Management E-ISSN 2278-487X, Print-ISSN-2319-7668, Vol. 17, Issue-2, pp 53-60, Feb.-2015



**Conti... from page 15** Parents Meet...

By this parents' meeting we came closer to our child and the college. We get more attached to children and their friends also. I can proudly say that my child is in right direction because of college environment and faculties.

- Hansaben Gadhiya (Riddhi's Parents)

This activity is the best one. Your support for the student is amazing so they can improve their talent through this type of task. If possible, so try to do this kind of activity every 2-3 months so we can enjoy it also. I have no words for your team and their work.

- Paresh Joshi (Khushboo's Brother)

Really it was very nice moment of mingling parents' meeting. It's very nice concept of activities which were organized for parents. We enjoyed a lot and therefore the credit goes to Gardi Vidyapith.

- Arvind Joshi (Himanshu's Parents)



**Emotions everywhere**

- Chirag Unadkat & Bhavana Prasad (4th IT Students)