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# The Gardi Times

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## Industrial Visit to Sardar Sarovar Dam, Narmada

*"Human memory is picture oriented and not word oriented."*

This is the main concept behind an education tour. Education tour is nothing but the planned combination of tours, site visits with the target of global learning which can enhance the knowledge of students and can help them to see the clear picture of the theoretical things they have learnt so far.

Department of Electrical Engineering from B.H.Gardi College of Engineering & Technology has arranged an



industrial visit for the students of final and pre-final year along with **Prof. Pushprajsinh Jadeja** and **Prof. Mittal Shah** at Sardar Sarovar Dam, Narmada on 22nd of September 2017. Sardar Sarovar Dam is one of the largest hydro power plant along with huge number of canal system for irrigation purpose.

Visit was started with basic introduction and overview of hydro plant by site engineer. He gave brief idea about the concept behind the construction of dam and the various requirements fulfilled by it. He also explained the rules and regulations of plant that employees are following for the better operation of the plant. Students also learnt the functional structure of **GSECL (Gujrat State Electricity Corporation Limited)** as the Sardar Sarovar Dam hydro project is taken care by GSECL. Then they also saw the GETCO office for transmission of generated power to distant places.



After that students were taken inside the tunnel for observing turbines & control room. Inside the tunnel there is six turbine-generator set for production of electricity. Then they also explain the canal structure for irrigation point of view. Students were told that how the distribution of generated electricity is done between states like Gujarat, Maharashtra and Madhya Pradesh. As a student of Electrical Engineering, students show more interest in control room. There they learnt the control of all the turbine-generator set along with their protection. They also discuss various abnormal conditions





# Village Visit

"The soul of India lives in its villages", declared M. K. Gandhi. According to the 2011 census of India, 68.84% of Indians (around 833.1 million people) live in 640,867 different villages. Most of the villages have their own temple, mosque, or church, depending on the local religious following.

The students of first year from all the branches had visited Nikava village on the date 23rd August 2017 and on 30th August 2017, with the intension to spread awareness of the dangerous disease prevailing now a days i.e. Swine Flu. The visit was initiated with the small talk with Mr. Raju, the sarpanch of the village.



Then the students went to visit the Primary health centre, they were having many facilities over there which is quite good for a small developing centre. After visiting the Primary health centre, students had visited the primary school, where they observed that the students were excited. To add flavour to the visit Gardians had a lunch together with the village's students, that was also the beautiful part of our journey. After completing the lunch the village students were taught about the self-defence by



the Gardians. The students were very excited in learning the self-defence. On the other day Gardians had prepared posters related to spread Swine - Flu awareness. In that the students were succeeded in gathering more than 300-350 villagers.

The objective behind the village visit was to develop communication skills, sympathy and the awareness among the public regarding dangerous diseases.



Conti... from page 1 Sardar Sarovar Dam...



that plant operator has to face for keeping the plant in safe operating mode.

After coming out from control room students were taken to dam site where they see the construction of dam and canal gates. It was very interesting for students because now the dam has reached to its full height of 163 m. Students also visited the main canal site & reservoir site. It also includes the visit to construction of statue of "Iron Man" of India Shri Vallabhchai Patel.









# We are the Powers of World...

## Electrical Engineers

On 15th September 2017, **Department of Electrical Engineering** from B. H. Gardi College of Engineering and Technology has celebrated Engineer's Day as a remarkable tribute to the great Indian Engineer, Bharat Ratna, **Sir Mokshagundam Visvesvaraya**. On this day, 7th semester students represented documentary on Sir Mokshagundam Visvesvaraya to inspire students. **Prof. Vimal Patel (HOD Department of Civil Engineering)** and **Prof. Priyank Zaveri (HOD Department of Mechanical Engineering)** were also invited and they shared their views on "Importance of Engineering in our Life". **Prof. Gaurav**



7th sem students attending workshop

**Joshi (HOD Department of Electrical Engineering)** motivated the students to improve their skills to be helpful to the mankind. Some videos on importance of Electrical Engineering and electricity in the world with awesome graphics and sound effects were displayed.

After this inspirational session **Computer hardware and networking workshop** was conducted by **Mr. Purvesh Jadhav** for 3rd and 5th semester students. In which they learnt about computer parts assembling and operating system installation.

For 7th semester students workshop on **Understanding**



Great minds are at work



Students making poster

the concept of PV was arranged. Workshop was conducted by **Prof. Amit Kulkarni**. Students were introduced with importance of use of solar energy, which is trending and is being applied with every aspect. Further modeling of solar panel was showcased, where a simple PV Boost converter model was shown using MPPT method. So that students are able to do modeling of the PV system.

Another activity arranged for 3rd and 5th semester students was **Poster Making**, which was conducted by **Prof. Tarang Joshi**. In this activity, students made poster on various circuits and network theorems under the



Geniuses from the Department of Electrical Engineering

guidance of Prof. Tarang Joshi. After this activity students can solve problems related to various theorems of circuit and network.

On a concluding note, it was a great day for students who celebrated this day learning hardware and software knowledge. Students were pleased with the workshop related to Solar Energy and insisted to arrange such workshop in a routine basis to enhance their knowledge with the trending topic.





Electrifying Engineers from the Department of Electrical Engineering



Prof. Amit Kulkarni during workshop on PV system



Creamy crowns from various Engineering Department



Students attending computer hardware and networking workshop

# Creative Art of Master Minds







8th October, 2017  
7:00 p.m. onwards

**Gardi  
RAAUTS  
2017  
JAY**

**Genius School**  
Opp. Cosmoplex Cinema,  
Kalawad Road, Rajkot.











**Department of Information Technology**



**Department of Mechanical Engineering**



**Department of Civil Engineering**



**Department of Electronics and Communication**



**Mr. Mayur Savaliya & Mr. Nishant Patel, from PGVCL**



**Prof. Priyank Zaveri giving suggestions to students**



**Student interaction with Mr. Jayant Joshi from Rajkot Heat Treatment**



**Mr. Prashant Dadhaniya giving suggestions to students**



**Prof. Virang Oza & Prof. Jay Kapadiya interacting with student**



**Students interacting with Mr. Prashant Dadhaniya**



# Management Students at   Atul Auto Ltd.

**I**ndustry visits sensitize students to the practical challenges that organizations face in the business world. Industrial visits also give greater clarity about various management concepts for students as they can practically see how these concepts are put into action.

To initiate with the actions the students of M. H. Gardi School of Management went to Atul Auto Ltd on 5th September 2017. The company was first named as Khushboo Pvt. Ltd. The journey of Atul Motors started in the year 1960 with single manufacturing model known as **CHHAKDO** which made this company a huge amount of earnings.

In the year 1999, the company came up with the manufacturing of new model of **CHHAKDO** named as "Shakti". In the year 2009, company's product was GEM which is a three wheeler Volvo which lead the company to earn 5000 crore of turnover. This was the grand success for the company in its history. The latest model of Atul motors is GEMINI-Dz and GEMININ PETROL Model with LPG and CNG. The company's plant at Rajkot is top listed 5th rank in India. The 2nd plant is at Ahmadabad near Bagodra. The installation capacity of this company is 60000 units.

Students learned a lot with the industry visit. Honorable Mr. D. V. Mehta - Chairman, Honorable Mr. Kiran Shah - Vice Chairman and Campus Director Honorable Mr. Jay



Mehta gave the best wishes on the accomplishment of industrial Visit. Dr. Vishal Soni- Director, Kum. MH Gardi School of Management conveyed the gratitude to the team of Atul Auto Ltd for such valuable interaction with MBA and IMBA students. The visit was mentored by Mr. Samir Dhaolakiya Head - MBA, Mr. Maulik Chauhan, Head- IIR, Miss. Kanchan Parmar, Miss. Nikita Parmar, Miss. Riddhi Khara Following key management persons interacted with the students:

- Mr. Malay Kothari, Manager - HR & Admin
- Mr. Pranav Trivedi, Sr. Engineer - Technical Training
- Mr. Abdul Taiyab, Asst. Manager - HR and Admin
- Mr. Milan Jadeja, Welfare Officer

## Learning is Movement from Moment to Moment

**P**rof. Ashish Mehta, Faculty from the Department of Electronics and Communication Engineering had attended one day Faculty development program "**Virtual Lab Orientation and Training Session for Educational Institutes of Saurashtra and Kutchh Region of Gujarat**" at Marwadi University, Rajkot in association with IIT, Bombay on 9th Septmber, 2017.

### Learning Objectives

- Introduce the virtual lab to the faculties of various engineering colleges and effective utilization of virtual lab.
- Flow of designing virtual lab by a non IIT institutes.
- Hands on training session on virtual lab





# Paper Air Plane - Bridge Course Activity

**Objective:**

To build Air plane from paper and understand the flight principles.

**Introduction:**

As a part of bridge course GTU introduced various activities for first year students to make them aware about various branches of engineering. To understand the principle of flight and aviation it is necessary to get awareness about basics of flying principles. As a part of this activity **Prof. Bhavik Lathigara** from Department of Mechanical Engineering made first year students understand the flight principles



Students showing their self made airplanes

and also made them aware about India's contribution towards the flight mechanics such as "Vimanika Shastra" on 8th September 2017. He taught them how to construct paper air plane with varieties of designs. Students of first year actively participated and enjoyed the activity session with joyfulness. Students engineered their first real world objects with using various ideas.

**Outcome:**

Students were able to understand flight principles. They were able to understand how engineering is involved in our day to day life and its importance. Their observation power increased and they were able to analyze things



Students checking the flight length of their planes

rapidly by using engineering techniques.

**Glimpse of sub-activities:**

Apart from the paper air plane making students were taught about ancient Indian scriptures by various videos and presentation. A questionnaire was also arranged to test students' understanding about the techniques of flying, how birds fly, meaning of gliding in the air, how helicopters fly, concepts of Lift force and Drag force, designs of wings, importance of stability in flight, importance of engines in aero plane etc.



Students competing with each other

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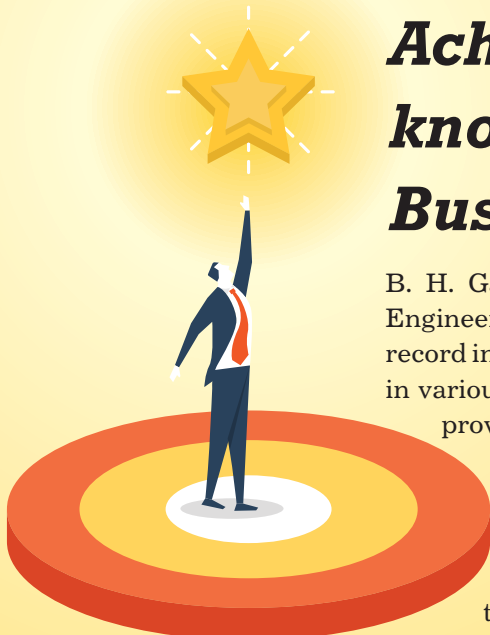


# Tree Plantation 2017



**B**HGCET NSS (National Service Scheme) chapter organized Tree Plantation on 30th August, 2017 at Gardividypath. The main goal of the whole day activity was to plant trees and increase awareness in student and also analyse their own skill. By showing the video and concluded with the discussion with them and then different kind of brain storming activities were there for the First year student of the Engineering. Then the entire first year student perform the drama,

mime, posters presentations and skit regarding the Tree Plantation with in the short time preparation and periods. RJ Dhaval and RJ Nupur from MY FM 94.3 Radio channel supported the event tagging it with "Mask Lagake Moriya". Tree plantation was begun by the Mr. Jay Maheta, Mr. Kiran Shah, RJ Dhaval and RJ Nupur. Then all the first year students plant the tree under the guidance of Prof. Nirav Mehta and NSS Volunteers.



## **Achievement to got confirmation knowledge support partner for Business Counseling Cell (EDC)**

B. H. Gardi College of Engineering and Technology is one of the most reputed Engineering Institutions in Saurashtra region of Gujarat and known for its excellent record in academics and co-curricular activities. The College offers BE and ME degree in various disciplines and MCA. The state of the art facilities and competent faculty provide an excellent climate for the all round development of the students.

In the above background, we got permission to start Business Counseling Cell in Institute from The Centre for Entrepreneurship Development (CED) Gandhinagar, Government of Gujarat. Main objective to establish a cell is creating and promoting the spirit of entrepreneurship among the youth of the nation.

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