



# Brain Mechanisa

Department of Mechanical Engineering had organized technical event, namely **Brain Mechanisa** on 31st October 2015. This event correlated with Kinematics of Machine and Design Engineering subjects. Here group of students prepared one mechanism with the help of raw materials. They had to collect all the raw materials provided to

them and then assembled it to make appropriate linkage mechanisms in working conditions.

Prior to evaluation, the partakers had to represent their mechanism and explain their understanding about the use and application of the same.

- Prof. Tejas Bhatt, Prof. Kuldeepsinh Jadeja

## Event Facets

- Raw material provided - various card board links
- Resources available for brainstorming:
  - Books
  - Internet
  - Faculty discussion
- Mechanisms developed:
  - Quick return mechanism
  - Straight line mechanism
  - Mechanism for folding table and many more...



Crank & follower four bar mechanism prepared by students

## Objectives

- Developing and enhancing the capacity of students to change over the idea in to the real world application in the field of Mechanical engineering.
- Enriching various technical skills of students like designing of machines & its mechanisms, various motions of machines.



Evaluation of mechanism prepared by students was done by Prof. M H Patel



Students group brainstorming to prepare mechanism

## Faculty Feedback

This type of event will upgrade the thinking capability of the students & create interest in the subject." - **Prof. Maulik H. Patel** (Department of Mechanical Engineering)

## Students Feedback

It was a great opportunity given



Motivation and guidance to students by Prof. K H Jadeja

to us to know and learn new things about mechanism. - **Sumit Monga** (3rd semester mechanical student)

This event was knowledge booster and we enjoyed a lot as well. We learnt to make mechanism practically. - **Nikunj Makadiya** (3rd semester mechanical student)



## CREATIVITY SLINDERS

### Slogo Competition - Rajkot Sports Youth Fiesta 2015

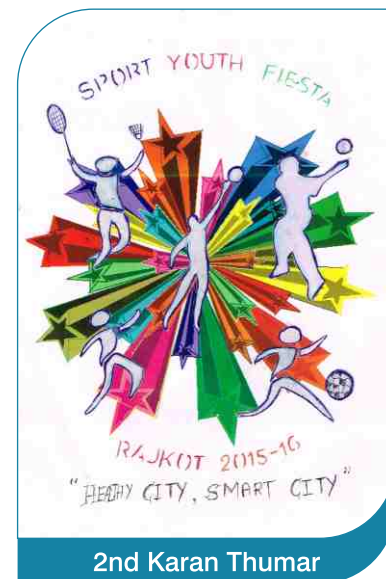
**K**um. M. H. Gardi School of Management organized 'SloGo' - a slogan writing and logo designing competition for all the Gardividypith students on Thursday, 15th October 2015.

The objective of the competition was to drive and encourage the students to exhibit their creativity and talent through developing



1st Nishit Gohel

suitable logo and slogan for the upcoming mega event 'Rajkot Sports Youth Fiesta 2015'.



2nd Karan Thumar

out with many impressive logo paintings, collages and slogans on the event day.

The first prize winner of the competition was **Mr. Nishit Gohel** from MAM semester V, MHGSM. The second prize winner was **Mr. Karan Thummar** from BHGCET and the third prize winner was **Mr. Manav Sodha** from BHGCET. While consolation prize winner was **Mr. Neel Sangani** from BHGCET.

Asst. Prof. Hiral Ganatra,  
Asst. Prof. Ashita Mansuriya,

The students were asked to express their ideas through paintings, collages or sketches. They were also permitted to use painting s/w and submit their creation in soft copy.

Prizes of the competition were very attractive viz 1st prize Rs. 2000, 2nd prize Rs. 1250, 3rd prize Rs. 750 and a consolation prize of Rs. 500 were announced and awarded. Students participated very enthusiastically and came



3rd Manav Sodha

Asst. Prof. Samir Dholakiya and Asst. Prof. Nilesh Ankleshwaria had successfully coordinated the event. The Students creativity was praised by Hon. Chairman D. V. Mehta Sir, Hon. CEO Prashant Sir, Hon. Executive Director Dr. S. B. Jadeja Sir and Hon. MBA Director Dr. Vishal Khasgiwala Sir and leveraged the students to Strive, Participate and Perform in this kind of events.



4th Neel Sangani





## ADAPTING NEW TRENDS

### A Workshop on Blog Writing

**K**um. M. H. Gardi School of Management had organized expert session on "HOW TO WRITE BLOG" in form of a workshop on 20th October, 2015 to impart the practical knowledge of blog writing and even awareness about financial benefits of writing the blog to students. For this purpose the college had invited well known **Prof. LALIT CHANDE** the **Founder of Win++ Academy**, Rajkot. This



workshop was conducted exclusively for MAM 3rd students.

Prof. LALIT CHANDE, the Motivational Corporate Trainer having 22 years of teaching experience have conducted 500+ seminars and workshops for the Educational Institutes, Government Bodies. He has shaped the morale and confidence of more than 70,000 participants.

Prof. LALIT Sir had given example of Harsh Agrawal who is a blog

scientist and a passionate blogger. He is blogging since 2008 & writes about Blogging, Make money online. His blog, 'Shout Me Loud' receives 1 million Page views /month and have over 700K subscribers.

The students of MAM 3rd got practical knowledge from Prof. LALIT Sir about blog writing, sharing views through online media and creative writing.



## GETTING ADEPT

### Yes - I am the Best

It was the day of excellence at Gardi Vidyapith on 19th October, 2015. Kum. M. H. Gardi School of Management had organized a workshop for the guest students of M. K. Jasani as well as students of Kum. M. H. Gardi School of Management.

As we all know that current job market is highly competitive and to get a good job, interview is the first step a candidate has to face. Considering the same a workshop had been conducted on the theme of "Yes - I am the best".

The whole workshop had been divided into two parts. The first part had been taken by Dr. Vishal Khasgiwala, Director - KMHGSM, who was the key note speaker. In this session he elaborated the key facets of interview followed by the role play of interview. The role play had been executed by Dr. Vishal



The GOOD CANDIDATE



Engrossed speaker and students



Learning basic etiquettes

Khasgiwala as an interviewer, Asst. Prof. Samir Dholakiya who played a role of good candidate, Amit Singh from MBA-III who played role of improper candidate and Siddharth Shah who played a role of worst candidate. The speaker had nicely and thoroughly explained the techniques of how to speak and what to speak in general interviews.

The second part had been taken by Asst. Prof. Samir Dholakiya - Key note speaker. In the beginning of the session he showed some videos of good interview and bad interview. In next phase of the same session he explained about body language. Here the major points were covered like how should you enter in to the interview room? How should you greet the interviewers? How you should answer the question? Which tone and what should be the length of your answer? And at last the discussion ended with the FAQs of the interviews.

More than 100 students of M. K. Jasani and students of KMHGSM had interacted enthusiastically with the key note speakers. At the end of the workshop all partakers felt confident about their polished skills for cracking the interviews and were certain to prove "I am the best".



## KNOWLEDGE BOOSTER

### Expert Talk on Role of CDMA Technology in Current Wireless Communication

Organized By: EC Department

Name of the Expert: Mr Nilesh D Makwana (SVNIT, Surat)

Date: 24th October, 2015

Time: 10:00 AM To 4: 00 PM

Semester/ Branch: 7th EC

**Objective:**

To make students familiar with various aspects of Wireless Communication, EC Department had arranged an expert talk on "Role of CDMA Technology in Current Wireless Communication" on 24th October, 2015 for 7th semester Electronics &



Captivating Speaker

Communication students. It was conducted by Mr. Nilesh D Makwana (SVNIT, Surat)

**Expert Talk Facets:**

Expert talk and interaction with students made for an exciting and complete day. The Expert took keen interest in understanding the teaching & learning process implemented by the department to make our students more employable in the



Engrossed audience

current era.

**Outcome:**

Students were impressed with Expert talk delivery. It was truly a motivational one for all the students of 7th EC, since it was quite an interactive one to resolve the theoretical and practical understanding.

**The following topics had been covered in brief.**

1. Current GSM & CDMA standards.
2. CDMA system Architecture.
3. Handoffs in CDMA.
4. CDMA Frame structure.
5. Pros & Cons of CDMA over GSM.
6. Opportunities for an EC student in Wireless Communication field.

- S.B. Bhatt

## Faculty Visit at JJPV Solar Pvt. Ltd.

The growth in the Indian solar industry is helping to pave the way to a cleaner, more sustainable energy future. JJPV SOLAR Pvt. Ltd. manufactures high quality crystalline panels from 10W to 250W with highly advance and automatic production facility in collaboration with European technology providers. JJPV SOLAR Pvt. Ltd. has expertise in designing and manufacturing Solar modules, Solar Street Light, Solar Water Pump, Solar Home Lighting Solution and complete Turnkey Solution for a solar PV industry. Prof. Mehul Pujara, Prof. Vijay Mehta, Prof. Brijesh A Patel, Prof. Alzubair A Saiyed and Prof. Maulik R Chauhan had visited the company on 21st Nov 2015

**Objective:**

Department of Mechanical Engineering arranged Faculty visit at



Faculties at J J PV SOLAR Pvt. Ltd. with Mr. Darshak Akabari, the Director (right most)



## DOCUMENTARY FILM

The documentary film session was conducted and co-ordinated by Miss. Nidhi Chanadarana on 31/10/2015 from 10:00 a.m. onwards with help of civil department at Convention Centre which was based on Sardar Patel's speech.

The documentary film was shown to the students with an aim to make student aware about engineer's role and responsibility towards the society. The film narrates the plan, architecture and structural design of the Statue of Unity.

The statue will provide the international platform to the Indian history and its heritage, bond over the princely states and will help to abolish caste system, communalism and differentiation on social grounds.



Keenly watching the film



Motivation by encouragement



Honorable heads

## LIBRARY SESSION

The next event organized was LIBRARY SESSION on 2/11/2015 at about 10:05 a.m. to 12:05 p.m. co-ordinated by Miss. Kajal Dhudhatara in which students were given a special slot of library for Reading the life of SARDAR VALLABHBHAI PATEL the nostalgia of his childhood, the evacuated decision of Sardar Vallabhbhai Patel during freedom struggle, narration of his communication skills and leadership qualities highlighted during kheda satyagrah, Bardoli satyagrah. In India and elsewhere, he is often addressed as **Sardar**, which means chief in Hindi, Urdu and Persian.

The books which glorified the history of Sardar Vallabhbhai Patel were "**SARDAR VALLABHBHAI PATEL - A Life**" and "**HIND KA SARDAR**". As per the co-coordinator's vision these books derive inference to the students about his life and to curb students' knowledge few questionnaires were prepared.



"Read, lead and succeed"



"Reading feeds the Imagination"



"Book provides deep insight to the reality"



# SARDAR VALLABHBHAI JAYANTI CELEBRATION

*CELEBRATION* means "excitement, a party sharing thought, gifts and idea."

If we move backward during 1940 to 1947's the massacre of Jallianwala Baugh, Dandi March, Satyagrah brings in nostalgia the great freedom fighters and their uphill struggle.

Achievement of freedom was rather not easy but to Run and Unite a ruined country was challenging. He guided India's integration into a united and independent nation.

The task of uniting India heavy weight can was carried by the known IRON MAN of India, Sardar Vallabhbhai Patel

To pay tribute to such a great soul the current Prime Minister of India is making **Statue of Unity** near SARDAR SAROVAR DAM. To spread the glory of the great man, Sardar Jayanti week celebration was conducted into three Sessions by CIVIL ENGINEERING DEPARTMENT of BHGCET

It was a time to re-celebrate SARDAR VALLABHBHAI PATEL's contributions and stimulate the values, acts and ideology into the youth of today. GTU had designed the Sardar Patel Jayanti week to be observed from 31/10/2015 to 7/11/2015 and B.H. Gardi College of Engineering. & Technology celebrated the event consequentially with great enthusiasm and involvement to honor the dignity of the Hero of our Nation...

### 3 sessions of Celebration

Documentary film session

Library Reading

The Group Discussion

## GROUP DISCUSSION

**Topic: "IF SARDAR VALLABHBHAI PATEL WAS THE PRIME MINISTER OF INDIA"**

Before stepping into the group discussion one must be sound with the topic's knowledge or one should have all the points related to topic swollen and sojourn it to their neck. The event of Library session became base and crucial element for the students for this event co-ordinated by Miss. Natasha Sagar in collaboration and with continuous and immense support of entire CIVIL department i.e. GROUP DISCUSSION. The panel of judges for event was Prof. Umangi Desai, Prof Krunali Savalia, and Miss. Kajal Dhudhatara.

The event was divided in three phases the first phase was a **Warm Welcome** that included the welcoming of participants, group making and volunteer's allocation. After this 15 minutes were allocated to students to prepare the sheet with the points in an attractive manner that they were going to discuss during the session.

The second phase of the event was the **Group Discussion** based on the questionnaire given by the co-coordinator, wherein students came forward with flying colors, beat the bushes and beat the time were actively and enthusiastically involved like "ARJUN'S FOCUS ON FISH EYE". The conclusion at each round was derived by the students in a disciplined manner.

The 3rd semester civil students as an audience were also involved enthusiastically along with the HEAD OF DEPARTMENT Prof. Vimal Patel, and joined the discussion raising their questions and Sir drove them to his views.

The last phase of the event was the **Valedictory function** which included Prize distribution and the Thank You speech with great chaos of students revealed their joyous participation.

- Miss. Natasha Sagar



"Contributors of a nation"



"Privileged department of civil"



"Marvelous judges, making decision"



"Conqueror of the event"



"Runner up-Never Let a Crisis Go to Waste"



## KNOWLEDGE EXPLORATION

### A Grandeur Visit to Sardar Sarovar Dam

**AIM:**

To put students on the field and let them develop analytical, observation, compilation of data and other requisite skills needed as civil engineers in market.

*"Civil engineers build not only dams, bridges, roads and buildings but build any nation's economy."*

Keeping the proverb in mind for the 7th semester students who are on the verge of becoming society's reliable engineer and to enhance their vision and attitude a visit to Sardar Sarovar Dam was arranged by the department dated from 16/9/2015 to 18/9/2015.

The visit was headed by Mr. Lakhdhirsinh Parmar and Mr. Sandip Rathore.

The endeavor of the visit was to determine the work of various hydraulic structures required for hydroelectric production, irrigation project work, canal design and significance of each component.

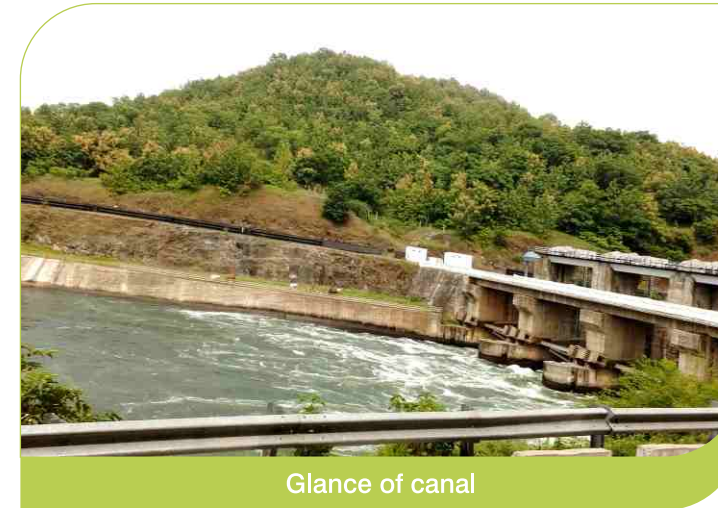
The students were intended to gather information which adds to their knowledge like height of dam, capacity of canal design and spillway

design, problem in spillway falls, its necessity included in core subject of irrigation by GTU.

The visit fetched the jack of all trades among students in the civil disciplines.

**Outcome:**

- Development of analytical skills among students.
- Jagged the observation of final year student.
- Bestowed the established engineers to SOCIETY.
- Crafted the innovation and crisis solving abilities of students.



Glance of canal



Landscape of Sardar Sarovar dam



Learning with fun

## GETTING ACQUAINTED

### FDP on Introduction to Computational Fluid Dynamics (CFD)

Computational Fluid Dynamics (CFD) is a theoretical method of scientific and engineering investigation, concerned with the development and application of a video-camera like tool - software - which is used to analyze a Fluid Dynamics as well as Heat and Mass Transfer problem in a unified way. The role of CFD software is not limited to creating scientifically exciting Fluid Dynamics movie of flow properties



Prof. Brijesh A Patel illuminating the intellectuals with CFD

but also to create engineering relevant movie of engineering parameters, for a unified cause-and-effect study of various heat and fluid flow situations. This FDP was organized by Department of Mechanical Engineering on 19th and 20th of November 2015. The keynote speakers for the FDP were **Prof. A A Saiyed**, **Prof. B A Patel** and **Prof. M R Chauhan**.

#### Feedback:

- 1) **Prof. Kuldeepsinh Jadeja:** This FDP was based on advanced software analysis and proved very much informative particularly for research & development.
- 2) **Prof. Maulik Patel:** This program included practical session which enhanced the awareness about the simulation software and its use to explore a fluid flow as well as heat and mass transfer problem.

#### Conti... from page 5 JJPV Solar...

JJPV SOLAR, Pvt. Ltd., Rajkot. The industrial visit was arranged to provide an exposure to faculties about practical working environment. It built a bridge between the institute and the industry. Main objective of this visit was to find out area of research on which students can carry out their project work as it would be beneficial for the growth of students as they can work and learn beyond academics.

#### Feedback:

- 1) **Prof. Vijay Mehta:** This type of faculty visit is required to find out the specific area of the research particular to define IDP for final year students.



Prof. Alzubair A Saiyed introducing the Computational Fluid Dynamics

#### Objective:

The objective of this FDP was to develop an appreciation of the theory behind the computer screen, so that simulation software can be used intelligently. Furthermore, the FDP was intended to appreciate the application of CFD through the computer simulation of carefully designed exercise problems.



Prof. Maulik Chauhan solving the doubts about advancement in Fluid Dynamics

- Prof Maulik R Chauhan, Prof. Alzubair A Saiyed, Prof. Brijesh A Patel

- 2) **Prof. Brijesh Patel:** Faculty visit developed relation between industry and institute. Enjoyed industrial visit with green technology.

Mr. Darshak Akabari (Director) provided overall information about the Solar panel manufacturing plant. It was really knowledge gaining and interesting visit where all faculties got practical experience about solar panels, which will help them to guide their students in the field of solar energy.

- Prof. Brijesh A Patel, Prof. Alzubair A Saiyed, Prof. Maulik R Chauhan



## GLORIOUS ATTAINMENTS

### Achievements @ Floric'15

Department of Mechanical Engineering takes privilege to share the achievements of **Harsh Vekariya, Harshid Marakna, Darshan Vasoya** and **Hardik Kansagara**.



Enjoying the wining moments

They secured **1st Position** in Aqua soccer, **3rd Position** in Yantrora and **3rd Position** in Robo-Race.

Floric-2015 was organized by Darshan Institute of Eng. & Tech, on 3rd Oct.2015 for all Engineering and Diploma students. More than 1000 students had participated in this event.

#### Aqua soccer

In this event all the participants had to prepare boat which can play soccer in aqua and should complete the given task in minimum time. In that students have secured **1st position**.



Fighters @ Floric'15

#### Yantrora

This was an event where all participants had to make a robot which can complete the task by dragging given blocks. The students won prize by securing **3rd position**.

#### Robo-race

Race has always been an all-time favorite competition. Participants had to make a robot which can pass through the hurdles like slot, bumpers, oil & marbles in minimum time. Here, the students secured **3rd position**.

### Faculty Achievement

Prof. Ashish Kavar, Assistant Professor, Mechanical Engineering Department, B.H.Gardi College of Engineering & Technology has published paper on "**Multi-objective optimization of FSW process parameters of Aluminum Alloy using Taguchi Based Gray Relational Analysis**" in The Indian Institute of Metals Journal, **Springer India 2015**.



BHGCET wishes you a very proud and glad appreciation with best wishes to move further with your research.

### National Achievement

Professor **Trishla Shah** - CSE Department have been conferred as the "**Promising Young Researcher of 2015**" by **Computer Society of India - Udaipur Chapter** under **National Excellence Awards 2015** in an **International**



**Conference ICICIT 2015**. Kudos to your achievement. Best wishes to continue your glorious work.

### Student Achievement @ "Hackathon-2015"

**Virat Patel, Palak Chandarana, Priyank Motivaras** and **Bhavik Manek** triumph 5th Position in 36 hours coding event "**Hackathon-2015**" organized by GTU on 27th - 28th Oct, 2015.

They developed an application for minor irrigation schemes with salient features for Ahmedabad District.



Congratulations. Keep up your bright work and award winning efforts.



## ENHANCING UNDERSTANDING

### Industry Visit for Interaction related to Empathy Building in Design Engineering Project

Recently Gardi Vidyapith students and faculties of CSE/IT Department visited Hi-Mac Castings Pvt. Ltd. Rajkot, a well-known company for Castings. Students of 3rd Semester CSE/IT department namely Mansi, Dhara, Happy and Priyanka along with Prof. Dharmesh Bhalodiya and Prof. Jatin Ambasana visited the company to do an interaction with



CSE/IT Students & Faculties in the premises of Hi-Mac Castings Pvt. Ltd.

Mr.Hitendra Patel (IT Engineer) regarding ERP and SAP. The visit was conducted to build an empathy with the ERP users as the product undertaken for development by these students in Design Engineering subject is ERP.

Students discussed the benefits, consequences, marketing strategy, disadvantages, cost factors, demands-supplies and



CSE/IT Intellectuals' brain storming to understand how to build an empathy mapping with ERP users

other factors related to the ERP and SAP with Mr. Hitendra. The intellectual communication helped students understand the problems faced by ERP users during ERP implementation. The

#### Student's Opinion:

As per the students, the interaction

- was really inspirational,
- added many ideas to their knowledge base,
- as said by Dhara & Mansi, they gained a lot of association in real and practical sense about ERP,
- helped them understand that ERP is a basic need in every industry.

knowledge gained would help the students to better understand the requirements of an ERP user and thus would help them build an empathy with the ERP users easily.

- Mansi Dave (3rd Sem. CSE Student)

### Celebrating Diwali-Rangoli @ Server Room



### CLICK PICK



- Prof. Kapil Shukla



## PROUD MOMENTS

### Dr. Siddharth Jadeja's Achievement to HONOUR

**D**r. Siddharth Jadeja, the director of our institute, recently caned a brilliant accomplishment at the ASME 2015 International Mechanical Engineering Congress & Exposition (IMECE)- Houston Texas in November. He has made the institute proud by publishing 2 papers successfully with the following titles.

1) **Activity based learning:** Overcoming problems in



implementing OBE in Engineering Education during transition phase.

2) **Ascertaining Affective Domain in Engineering Education:** A new learning concept.

Over and above that at the same venue, he has been conferred as "Track Organizer" of 2 tracks namely "Advanced Manufacturing" and "System Design and Complexity".

## Achievement

**P**rofessor Amit Sata of Mechanical Engineering department, Gardi Vidyapith productively completed his **Doctorate of Philosophy** from one of the supreme institutes across India, **Indian Institute of Technology - Bombay** under the supervision of Dr. B Ravi (Institute Chair Professor).



He conducted his research on improvement of quality (defect free casting with desired mechanical properties) and ended with thesis entitled **Prediction and Analysis of Defects and Mechanical Properties of Investment Casting**.

During the tenure of his PhD, he has published more than **5 research papers** & developed and tested a user friendly (MS Excel based) **Investment Casting Defect Analysis System (ICDAS)** that suggests critical parameters with their specific

range of values to achieve desired quality in investment castings.

## Placement Sparkle from CSE/IT and MCA 2016 Batch

**G**ardi Vidyapith Placement Cell offered sweets of deepavali to their students and family in terms of their final recruitment. Ill cell has one more time proved "Employment can be the best DIYA that will shine for the entire society with its attributes".

