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INAUGURATION OF VIRTUAL LAB

Objective: To learn basics and advance concepts of Engineering at Undergraduate, Post Graduate and Research level using **Virtual Lab**.

B. H. Gardi College of Engineering & Technology becomes one of the **Nodal Centers for Virtual Lab under IIT Bombay**. The center was inaugurated on December 27th, 2016 in virtual presences of **Mr. Pushpdeep Mishra (Project Manager, Virtual labs)** from IIT Bombay and **Dr. Nitin Bhate from M. S. University, Baroda**. The inauguration function was graced by the presence of HODs and faculty members. Mr. Pushpdeep Mishra and Dr. Nitin Bhate have guided the faculty members about virtual lab functioning and usefulness through Skype.



"Inauguration ceremony of virtual labs by dignitaries"



"Enlighten the new horizon of education system"



B.H.GARDI COLLEGE OF
ENGINEERING & TECHNOLOGY

APPOINTED AS A

**VIRTUAL LABS NODAL
CENTRE (VLNC)** BY



UNDER THE
NATIONAL MISSION ON EDUCATION THROUGH ICT
AN INITIATIVE OF
MINISTRY OF HUMAN RESOURCE DEVELOPMENT



The queries raised by the faculty members were nicely solved by both the dignitaries. The function was continued with the workshops on "**Values of Virtual Lab**" by different departments; wherein first session was conducted by Prof. Jatin Ambasana for CSE, IT and MCA departments. The second session was conducted by Prof. Mehul Pujara and Prof. Krunali Savalia for ME and Civil departments respectively. The third session was conducted by Prof. Ashish Mehta for EC, Electrical and DHS departments.

OF My Life...

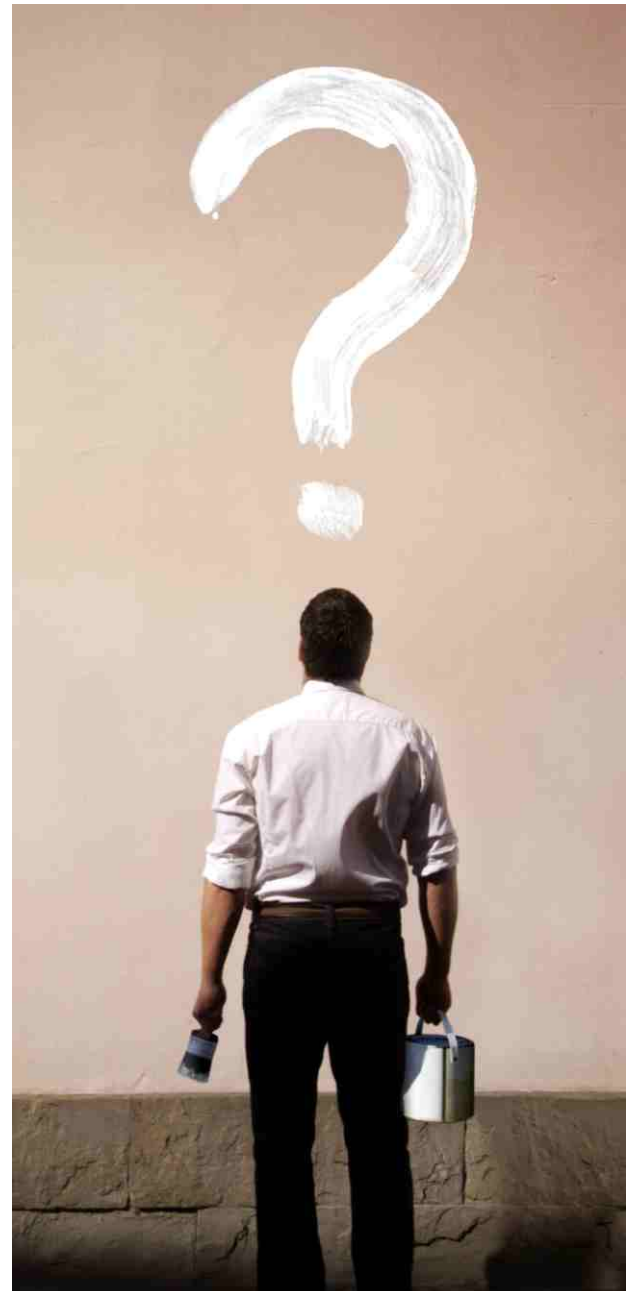
One day there was one question in my mind. Which force me to think twice or thrice?

- When somebody told me that he has failed in his exams my QUESTION is, "is it a law that you will pass every time?"
- When someone told me that my boyfriend broke up with me, my QUESTION is, "Is it a rule that you will have successful relationship everywhere?"
- When somebody asked me why am I in depression. My question is, "is it compulsory to have confidence at all the time?"
- When someone cried to me about his huge business loss due to his wrong decision, my QUESTION is, "is it possible that you take all right decisions?"

The fact is our expectation that life has to be perfect/permanent is the biggest reason of our unhappiness. One has to understand the law of impermanence of nature. After each sunny day there has to be a dark night, after each birth there has to be certain deaths for full moon to come again it has to pass through no moon. In this imperfection of nature, there is perfection. So in the end stop talking your failures & bad part of your life sooo personally or intensely, even god does not like to give you pain but it's the cycle through which you have to pass. Prepare yourself for one more fight after each fall because even failures cannot be permanent. "

If you can not find the brighten side of life then polish the darken side." Adjustment of attitude is the only instrument to live a life.

Silently sitting I realized.....in my life, we all have-



An unspeakable secret, an irreversible regret, An unkept promise, An unheard request, An irreplaceable loss, An unreachable dream, An unforgettable person we love, still, still, life is about being happy any how because everything in life can be summed up in just three words.....

"LIFE GOES ON"

HAVE FAITH & PATIENCE

- Fatema Bharmal (M.B.A. Sem 3)

Expert Talk on Electromagnets

The expert talk on Electromagnets was organized by **Electrical Engineering Department** for the students of **1st Semester (Div. - B, C & D)** to enhance their knowledge about Electromagnetic field, Electromagnets and its Applications in industries as well as future subjects of their academics.



Students of Div_B C & D

The talk was conveyed by **Prof. Manish Patel of EC department** and the flow of session was as follow :

- 1) Introduction
- 2) Faraday's & Lenz's Law
- 3) Analogy between Electric and Magnetic Circuits
- 4) Self inductance & Mutual inductance
- 5) Hysteresis Curve and Loop for different Magnetic Materials

The lecture was so effective, interesting and informative as it was taken by experienced and knowledgeable faculty. The



Manish sir giving lecture on electromagnets

departmental co-ordinators for this event were **Prof. Nirav Mehta, Prof. Devang Mer & Prof. Ankit Rupareliya**.

At the end of lecture, Question-Answer session was held in which students raised their questions so freely and Expert replied each question very effectively.



Students of Div_C B & D

Participation in Five Days STTP on "Computational Fluid Dynamics using ANSYS"

Introduction:

Prof. Mehul Pujara (Faculty - Department of Mechanical Engineering) has participated in five days short term training



With Dheeraj Kumar Singh

Conti... page 4

■ GETTING ACQUAINTED

Conti... from page 1 Inauguration of Virtual Lab...

The important features of the virtual labs are

- Common website for all Virtual labs
- Common web-based front-end
- Back-end is completely computer-driven

- Complete Learning Management System

Outcome: The maximum usage of the virtual labs is for the faculty members and students related to experiments using modeling & simulation lab and remote triggered lab.

- Prof. Mehul Pujara, Prof. Krunali Savalia



A step towards the 21st century learning approach: virtual labs

Conti... from page 3 Participation in Five Days STTP

program on "Computational Fluid Dynamics using ANSYS" at VVP Engineering College, Rajkot from December 19th to 23rd, 2016. Computational Fluid Dynamics (CFD) is a tool used for solving complex problem related to fluid and heat transfer. The tool is widely used in research as well as industry. The entire session was conducted by Mr. Dheeraj Kumar Singh (Application Engineer - ANSYS CFD).

Outcome:

1. To familiar with CFD tool.
2. To solve and analyze problem using CFD tool.

- Mehul Pujara



Certificate of participation

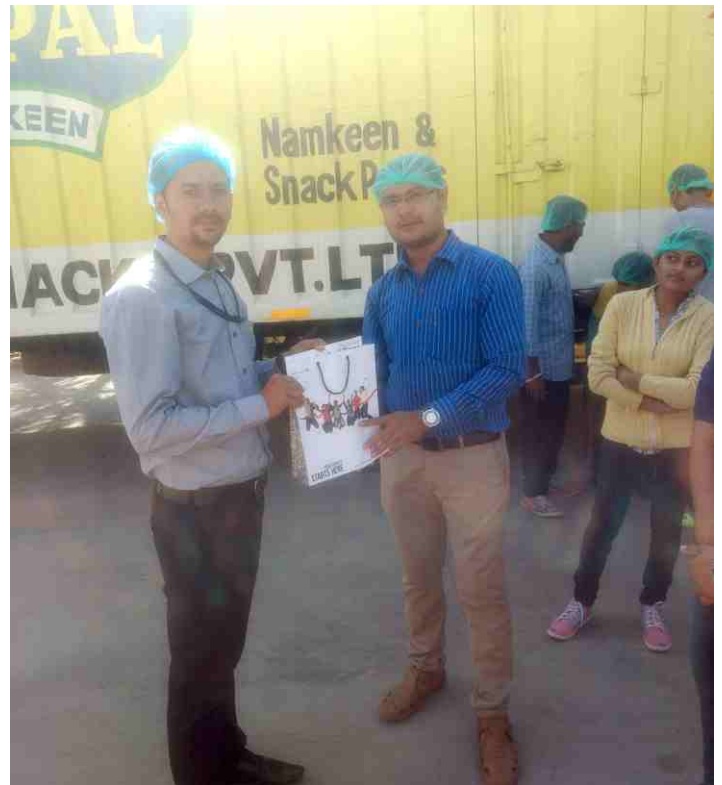
Industrial Visit : Gopal Snacks Pvt. Ltd.

The industrial visit organized by **Electrical Engineering Department** for the students of **6th semester** to aware and provide knowledge of **PLC (Programmable Logic Controller) used in industrial automation and power electronics devices** used in such system. The visit was also very helpful to students as far as electrical control system is concerned.

The visit was conducted by two faculties, namely **Prof. Devang Mer and Prof. Tarang Joshi**. The reporting time was **10:30 AM** and we reached at sharp. The HR department of Gopal Snacks was very supportive and positive toward students as they were so free to raise and ask any question.

The main purpose of the visit was to show the **production process and management** (Both Human resources and Time). Students were shown following departments sequentially,

- 1) Raw Material Department
- 2) Frying Department
- 3) Packaging Department
- 4) Storage Department
- 5) Dispatch Department



Devang sir giving momento to HR representative Gopal



discussion about one problem to Prof. Devang Mer and he gave satisfactory solution to their HR representative. The image of BHGCET was very positive and impressive as they were invited us to arrange such visit anytime we want.

Students were wondered by seeing their dispatch facility as it also utilizing the gravity and no human was there to arrange goods into trucks the conveyor was of automatic length adjustment type.

- Devang Mer ((Person in response to Gardi-times & FB page)

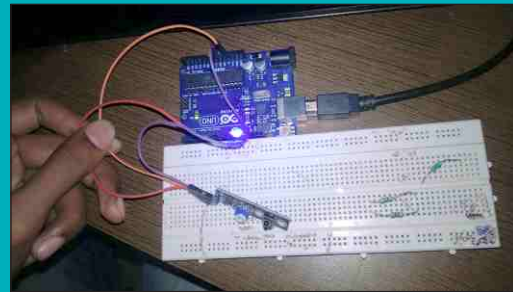
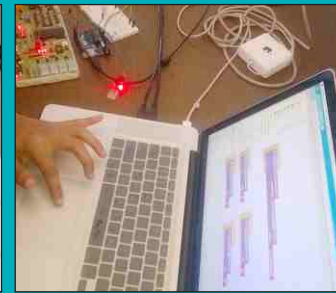
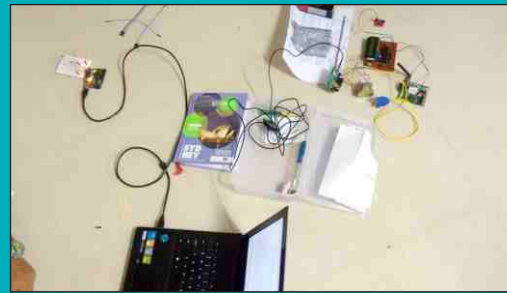
It was amazing to see how they are utilizing GRAVITY for goods transportation and conserve most energy of machine as well as human. The PLC unit is so effective that any chance of even a small single mistake is eliminated from the company and their storage department is really like a spider net. Then also each everything reaches to its destination without delay which is only possible by implanting quality PLC system in to product line.

The company also held significant automation to reduce human efforts and there were





A Student Initiative... Technical Club By & For the Hostel Students



• "After organizing 10 big and successful event , it was time to give new goal and future vision to Techies and Talk Club.
• "Same thing was discussed in 11th talk and also planning was done in this talk.

11
Eleventh
Talk

• "9th talk organized on 7th October which club members did practices on website making activity, photoshop and learning session etc.

9
Ninth Talk
(CSE/IT DAY)

• "In this event we made a team of two with having different department group members and given the list of probs of all department.
• "The team have came out with worthy product with its whole manufacturing and working process.

7
Seventh Talk
(Dream your tach)

• "Talk of three biggest companies one is of world wide, one is top most in India ,one is Top most in gujrat.
• "We get the basics intros of all three and get the way of their economical growth.
• "We also had gone through their histories and structure.

5
Fifth Talk
(Companies to you)

• "From This talk we started pure technical and qualitative discussion. Topic Discussed in this talk was logical C and Arduino basics.
• "We Discussed How to logical C and arduino can be correlated to make useful application.

3
Third Talk
(Logical C and Arduino)

• "It was first talk of Techies & Talk club, which was organized on 15th August, 2016.
• "Club Members had present their Design Engineering project. Other ideas of course , which are not related to D.E. project was also shared by club members.

1
First Talk
(Introduction)

10
Tenth Talk
(IOT)

• "10th talk was organized on 17 October, 2016. This talk was proved as very interesting as it involved discussion on IOT technologies.

8
Eighth Talk
(EC DAY)

• "After Shared huge technical contents with each other that was time to celebrate some social technical days.
• "8th talk organized on 6th October was celebrate as EC day, in which group members learnt latest electronic items like Ardiuno board, humidity sensor, AVR, GPS/GSM etc.

6
Sixth Talk
(RF Factor)

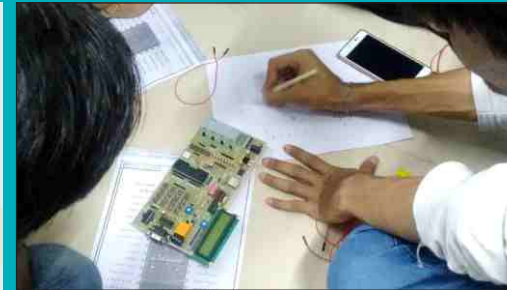
• "Since communication is wide and research area in this current time , 6th talk based o communication technologies. Also students learnt RF basics and about RF technology in communication area.

4
Forth Talk
(Inside Technology)

• "In this Event we find out one technology and then we analysis the technology .after then we discuss whole history for technology and how ,When ,Where to involve and seen future scopes, advantages and dis advantages.

2
Second Talk
(Impromptu)

• "After project ideas shared by 5thsem students and 7thsem students also presented their views towards project in second talk , which was organized on 21st august,2016.
• "With Focus on Communication Skill improvement, we also introduced such activities like impromptu.



Techies & Talk

Departmental Pedagogy A Beginning of New Era

Objective:

To strengthen the technical knowledge of faculties

Introduction:

Pedagogy is the discipline that deals with the theory and practice of education; it thus concerns the study of how best to teach. To achieve a same objective the department of mechanical engineering has initiate pedagogy session for different topics of curriculum. The discussion on subjects related to 4th& 6th semester was done from 12th to 16th



December 2016.

Outcome:

- Pedagogy increases relevance and purpose in all disciplines
- Pedagogy promotes deep, analytical thinking.
- Pedagogy provides curricular frameworks
- Pedagogy enhance faculty's individualism and depth content of subjects.

- Prof. Parag Paija

Electrofestive : Student Organized Activity

Date: 24th December, 2016

Time: 8:30 AM to 3:00 PM

Venue: F - Building

Dept.: Electrical Engineering



The event was organized by the **students of 6th semester of electrical engineering department** to develop administrative skills among the students. The event was organized by, **Chandiwala Habil, Deep Nakum, Chirag Mahidhriya, Uday Vala and Jignesh Kanzariya.**



The event was so successful and the departmental coordinator for this event was **Prof. Tarang Joshi**. It was the vision of the head of electrical engineering department, **Prof. Gaurav Joshi** to organize such student activity in which they will decide what they want to do. There were lot of efforts given by respected sir for this activity and also he explained the significance of the same in class, in addition all faculties of the department were very helpful and interested to have conversations with the students about their ideas.



The flow of the Activity decided by the students and it was as :

- 1) Group forming, Technical treasure hunt and Motivational speech by Prof. Gaurav Joshi
- 2) Distribution of different electrical components among the group of students



- 3) Search for data sheet and applications of the assigned component to each group
- 4) Moodle test among the groups
- 5) Thanks giving session

The students were made to take keen interest in the



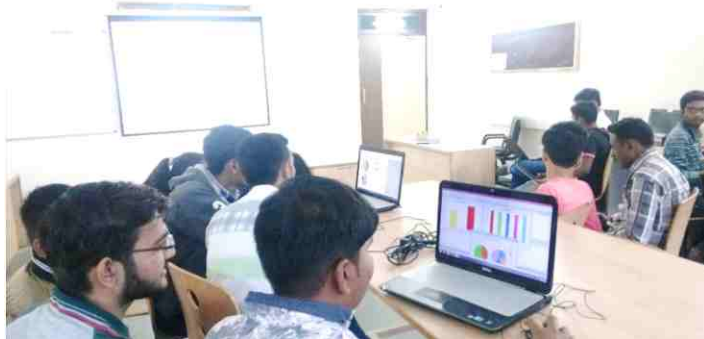
management and being **self motivated** for any task, also they became eligible to arrange and such activities in future which be beneficial for their **soft skill development.**

- Devang Mer (Person in response to Gardi-times & FB page)

Workshop on Skill Enhancement

Objective: To enhance the technical skills of mechanical engineering students.

Introduction: Department of Mechanical engineering had organized different workshops for 6th-semester students on 22/12/2016 and 23/12/2016 for improving their basic skill in all three domains - Manufacturing, Design and Thermal



Students are solving problems

under the following Titles.

"Introduction to modeling software" conducted by **Prof. P G Paija**.

"Data analysis using Statistical tool (MINITAB)" conducted by **Prof. D D Dodia** and

"Parametric analysis of surface condenser" conducted by **Prof. V K Mehta**

"Engineering Problem Calculation by Using Excel"

Feedback:

It is very nice that our department had organized the basic workshop on Minitab. I learnt about how to make statistical data analysis by creating different charts. I would like to attend another session like that. - **Yash Sarda (6th Mechanical)**

It was a knowledgeable session, I learn about the use of excel for the easy solution of an engineering problem. - **Bhumika Parmar (6th Mechanical)**

I learnt about how to Competitive Examinations and how to solve aptitude and reasoning questions in minimum time. - **Makadiay Nikunj (6th Mechanical)**



Faculty Members are sharing their knowledge

conducted by **Prof. P D Zaveri** and **Prof. A B Vachhani**

"Introduction of Deform-3D Software" conducted by **Prof. C D Ajudiya**.

"General aptitude and Reasoning" conducted by **Prof. V K Mehta**

Outcome: Explore student's area of interest, improve thinking ability and improve creative ideas related to Manufacturing, Design, and Thermal.



Students are enjoying workshops

Pedagogy-A Platform to Convey Your Art of Teaching

"The teacher is of course an artist, but being an artist does not mean that he or she can make the profile, can shape the students. What the educator does in teaching is to make it possible for the students to become themselves."

The department of CIVIL ENGINEERING had been flourished under the shadow of the HEAD OF THE DEPARTMENT Prof. Vimal Patel and had actively implemented the classroom teaching techniques that had been taught during Faculty Development Programme by IIT BOMBAY as well as KETAN KOTECHA AND RICHA MISHRA.



"Prof. Jay Vekariya conducting the session on "determination of latitude and longitude of a Place"

To have the better implementation of the technique learned by the faculties, the head of the department **Prof. Vimal Patel** had organized the two days **PEDAGOGY SESSION** with Academic In charge **Prof. Krunali Savalia**.

The Pedagogy session conducted at department of civil engineering on 12/12/2016 when **Ms. Kajal Dudhatara** and **Ms. Natasha Sagar** Presented their way OF teaching and 14/12/2016 **Mr. Jagdish Bhalsod, Prof. Jay Vekariya and Prof. Rahul Parmar** in classroom number 25. In which the faculties came up with the study of their subject syllabus, rubrics and idea of activity to be conducted in form of Presentation. All the faculties need to take a lecture minimum of **30 minutes** and maximum of the **1 hour** as per their own natural styles of delivery actually they followed during classroom.



"Mr. Jagdish Bhalsod delivering the session on current railway budget"

All the faculties had define their mode of teaching, problems they faced during interaction with the students, student's demand from them, difficulties to engage the student during activity and how to co-relate the theories to real time application.

The Head of the department Prof. Vimal Patel, Academic in charge Prof. Krunali Savalia & Prof. Jay Kapadiya were the review panel. They analyze, evaluate and suggested the remedial measures/ teaching technique up gradation to each faculty. The complete two way communication cycle to be followed during classroom interaction like kahoot, flipped classroom and Think pare share activity. The all faculties



"Ms. Natasha Sagar delivering the session on collection and estimation of sewage"

agreed to provide the Dosage of the **GPSC MCQ Preparation and GATE Preparation by preparing GOOGLE FORMS, Online Quizzes and KAHOOT per subject.**

Editor : Dr. Siddharth Jadeja
Co-ordinator : Hiral Ganatra

For any suggestion or queries, mail @ garditimes_sub@gardividypith.ac.in

Empower Women Council Investiture Ceremony



The starting of the New Year new women council has been formed. With the joyous air and enthusiasm the former women council including Prachi Desai, Kinjal Dedakiya, Nitika Singh, Nikita Maru, Amisha Mer and Zalak Vaghela took the plunge and handover their responsibilities and duty to new council Mansi Dave, Priya Pandey, Richa Viraja, Sarika Katariya, Amisha Mer and Dhara Parekh in the benign presence of the dynamic personality Dr. Siddharth Jadeja, Executive director of Gardividyalaya and Prof. Hiral Ganatra and Prof. Kiran Shah.

Former president Miss. Prachi Desai initiated the ceremony with great zeal. She stressed on the need of the women empowerment and gender equality concept. The main attraction of the ceremony was the involvement

of boys and girls both.

Dr. Siddharth Jadeja spellbound the whole audience with his empowering and inspiring words. Then he honoured the new committee with signing the offer letter. And the professors and audience motivated and welcoming the new council with applause.

Bon voyage to the new journey Empower Women Council!!!

Thoughts by the new President..... !!!

SHE.....

Black and wide sky is the beginning of her presence,
 The truth and lies doesn't divide her passion,
 The fire enlightens her soul within and fills her unknown desire,
 The wide eyes and waist moves rolling in rhythm of her bliss,
 Don't try to change her; she is phenomenal in her own essence,
 Whatever she does, whatever she says, whatever she desires, whatever she wears
 You will be proud, with the sound of her heels,
 You can't confine her,
 She is breathlessly free and independent,
 And that makes her even more transcendent,
 The innocence and kindness are her real jewels,
 The breathes and heartbeats she takes,
 Time pauses with her presence and run hastily in her absence,
 She is just like a free, wild and pretty dream,
 Her ambitions and dreams run wild in her blood
 The moments, the memories, the love, the trust and pureness,
 Are the real things, so treasure that!!
 She is SHE the phenomenal SHE..
 The beginning and the End.

- Mansi Dave



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