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# The Gardi Times

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## Industrial Interaction at Gujarat Forgings Pvt Ltd

To enhance the technical knowledge of students from 6th Semester from the Department of Mechanical Engineering regarding Internal Combustion Engines, Department of Mechanical Engineering arranged an industrial interaction for the students at Gujarat Forgings Pvt Ltd at Rajkot Aji GIDC. The motive of the interaction was to enhance the knowledge of students regarding IC Engines.

Prof. V. K. Mehta & Prof. B. D. Lathigara accompanied the students at the site for the interaction so that students can get their queries solved on the spot if they have any. The interaction was arranged on 8th of March 2018. Gujarat Forgings Pvt Ltd. is one of the leading manufacturers of portable light weight diesel engines, water cooled diesel engines and air cooled diesel engines of capacity of engine varies from 3.5 HP to 25 HP. Their Production capacity per day is 400 Engines.

During the interaction, students visited Assembly shop, Research Lab, Paint Shop, Quality control department & Dispatch unit.

**Outcome:-** Students would gain depth technical knowledge practically in the field of Internal Combustion Engines.



Prof. V. K. Mehta offering memento to  
Shri H.B. Sakariya, Manager at Gujarat Forgings Pvt Ltd.





# Explore, Search and Seek

## Flip Class on Delta Modulation Methods

Department of Electronics and Communication is majority following the teaching methodology of Flip class room to supplement the students with the self-learning attitude. One such activity was designed by Prof. Dipika Gosai for the students of 6th semester on 7th February, 2018.

Facilitator prepared material on the topic of analog to digital conversion method. Students were directed to attend activity after referring the materials. Assignments were assigned in the class to identify analog to digital conversion methods and comparison of Delta Modulation and Adaptive Delta modulation.

### Expected Outcome:

- Students were able to understand the basic principle of Pulse Code Modulation
- Students were able to make difference between Delta Modulation and Adaptive Delta Modulation.
- Students were able to differentiate application as well as bit rate of both methods

### GLIMPSE



Prof. Dipika Gosai explaining concept of topic



Students doing TPS activity



Students are doing TPS activity



Students are doing TPS activity



# Learning never exhausts the mind

## Faculty participation in STTP - Data Mining and Soft computing: Tools & Techniques

Prof. Rahul Vora from the Department of CSE/IT/MCA had recently attended the One Week National Level STTP on Data Mining and Soft computing: Tools & Techniques (Approved: ISTE, GTU). The STTP was held at G. H. Patel College of Engineering & Technology, Vallab Vidyanagar (GCET) during 18th – 23rd December, 2017.

The main aim of the STTP was to explore options of various Technology oriented domain that are available in market as it is must to have basic understanding of such technology. Through these Six days STTP, Facilitator guided about various Domains.



### Topics covered during the STTP were as follows:

- ✓ "BD, ML and DL-Some thoughts"
- ✓ Artificial Neural Networks and its Application
- ✓ Data Analytics using Python
- ✓ Parallel and Distributed Mining
- ✓ Statistical Computing through R language
- ✓ Recommendation Systems
- ✓ Data Stream Mining - A Practical Approach
- ✓ Using MOA (Massive Online Analysis) Tool
- ✓ Hands on Experience on Various Data Mining and Soft Computing Tools
- ✓ Machine Learning and its Applications
- ✓ Introduction to Evolutionary Algorithms
- ✓ Introduction to Deep Learning and its applications
- ✓ Introduction to Fuzzy Logic



# EVERY MOMENT IS A FRESH BEGINNING

## ORIENTATION PROGRAM OF 1ST SEMESTER BE STUDENTS

The goal of engineering education is to train engineering graduates well in branch of admission, have a holistic personality and must have desire to serve society and nation. It is expected that an engineering graduate work for solving the problems of society using the modern technologies and practices. That needs the broad understanding of the society and relationships. It is needed to cultivate the human values in engineering graduates to fulfill his responsibilities as an engineer, a citizen and a human being.

B. H. Gardi College of Engineering and Technology organized an orientation programme for the newly admitted B.E students at the institute premises on 19 July 2018. The major objective of the programme was to make the parents and students aware of the academic aspects of the course, the rules and regulations of the Institute and ensuring parental participation in monitoring the performance and progress of the students.



The programme was inaugurated with the lighting of the lamp by the Principal, Heads of the Departments, Managing Trustees and other dignitaries.



Welcome speech was delivered by Prof. Gaurav Joshi, Head of the Department from Electrical Engineering as well as Head of the First Year. The speech was concluded with the motivational speech of See A. P. J. Abdul Kalam.



Mr. Kiran Shah, Vice Chairman Gardi Vidyapeeth briefed the students about the rules and regulations of the institute and requested the students and parents to understand and abide by the institution's rules and norms.



Dr. Vaibhai Gandhi, I/C Principal and head of the Department MCA and IT routed the students with the road map of the engineering. He emphasized not only to become a job seeker but a job creator by developing various skills in upcoming years.

Mr. D. V. Mehta, Chairman – Gardi Vidyapeeth, focused more on the human values and to create a responsible citizen for the nation. He encouraged students for self-study as well as to come up with the innovative ideas and take guidance from the faculties. He insisted students to be demanding in matter of learning to achieve the best from their mentors.



The session was concluded by Prof. Kiran Shah, by elucidating the objectives of the Induction Program and the guidelines to be followed during the 2 weeks of the Induction Program.

After the formal part of the program, students were sent to their mentors. Mentors and students exchanged mutual contact details for further communication.



“Herb is the healing of a nation,  
alcohol is the destruction.”

Bob Marley

### HOMOEOPATHIC APPROACH IN DE-ADDICTION OF ALCOHOLISM

Alcoholism is one of the major health issues in developing countries, one of which is India. Not only the society but the whole family is disturbed at once with direct effect on upbringing of children. The alcoholism is characterized by craving for alcohol which leads to the mental imbalance with loss control over self in turn physical dependence. The people with severe failure in life or loss of ambitions become habitual in alcohol drinking, as alcohol gives the feel of good compound to them with loss of short time memory.



DR. SHIVKUMARI VERMA - M.D. (Hom), LECTURER - DEPT. ORGANON OF MEDICINE from L. R. SHAH HOMOEOPATHY COLLEGE RAJKOT (GUJRAT) has recently published an article on HOMOEOPATHIC APPROACH OF DE-ADDICTION OF ALCOHOLISM. She has mentioned how the addicted body is suffered when sudden alcohol is withdrawal.

#### SIGN AND SYMPTOMS OF ALCOHOL POISONING

**Alcohol poisoning**

**SIGNS OF ALCOHOL POISONING**

- CONFUSION
- UNCONSCIOUSNESS
- SEIZURES
- SLOW BREATHING
- HYPOTHERMIA
- BLUE OR PALESKIN

**EFFECTS IF UNTREATED**

- CHOKING ON VOMIT
- STOPPED BREATHING
- HYPOTHERMIA
- SEVERE DEHYDRATION
- PERMANENT BRAIN DAMAGE
- DEATH

**PERCENTAGE OF ALCOHOL**

- 12 FL OZ OF BEER: 5%
- 8-9 FL OZ OF MALT: 7%
- 5FL OZ OF WINE: 12%
- 1.5 FL OZ SHOT: 40%

**WHAT TO DO**

- KNOW DANGER SIGNS
- DON'T WAIT FOR ALL SIGNS
- CALL 911

#### TREATMENT HELPS — BUT DOES NOT CURE-

This tagline is very important because without support of family and care-person, without sympathy for the sufferer, without emotionally attachment for the sufferer, the permanent solution of alcoholism is not possible. So that it is the challenge for doctor and family too.



## Where the industry and academics amalgamate INDUSTRIAL VISIT TO SHIV CONTROL SYSTEM

Industrial visit was carried out at Shiv Control Systems on 11th July 2018 by Prof. Nirav Mehta from the Department of Electrical Engineering for 5th semester students.

The students gained practical knowledge on different control panels and learned about wiring of the control panels. They also come to know about various protecting devices like MCB, ACB, MCCB, circuit breakers, and grounding safety measures. The visit proved to be fruitful.

Vinod bhai Sorathiya, proprietor of the company, has shared the story of his journey as an Entrepreneur to the students. Prof. Nirav Mehta concluded the visit at last to relate the purpose of the visit to theory session.



Prof. Nirav B Mehta Presenting token of gratitude to Vinodbhai Sorathiya



Students learning about control Panel



Group photo of 5th sem students at Shiv Control Systems



Students discussing with Vinodbhai



Students observing protecting devices



# The body is your temple. Keep it pure and clean for the soul to reside in.

Yoga Day is celebrated annually on 21 June since its inception in 2015. An international day for yoga was declared unanimously by the United Nations General Assembly (UNGA) on 11 December 2014. Yoga is a physical, mental, and/or spiritual practice attributed mostly to India. The Indian Prime Minister Narendra Modi in his UN address suggested the date of 21 June, as it is the longest day of the year in the Northern Hemisphere and shares special significance in many parts of the world.

Students and faculties from all the departments of B. H. Gardi College of Engineering and Technology celebrated the International Yoga Day on June 21, 2018 conducted by Gardi vidyapith under the visionary of Dr. Vaibhav Gandhi. Yoga Instructor – Dr. Dipali Vaishnav and Dr. Rajeev Amal Head of Department of Health and Hygiene from V. M. Mehta Institute of Ayurveda, directed the corpus of students and faculties for various Asana. They also explained about the advantages of Yoga like all-round fitness, stress relief, improved immunity, inner peace, increased energy and many more.

The program concluded with the resolution of making Yoga part and parcel of the life. The session proved lasting transformation in the participant.

