



**Vidya Vikas Education Trust's
UNIVERSAL COLLEGE OF ENGINEERING**

Near Bhajansons & Punyadham, Kaman Bhiwandi Road, Vasai, Palghar-401208.

DTE code:3460

Linguistic (Gujarati) Minority Institution

Approved by AICTE, DTE, University of Mumbai, Maharashtra, State Government

FEBRUARY 2020 EDITION

Linguistic (Gujarati) Minority Institution

ASHTAG#

IT'S NOT ABOUT
BEING THE BEST

IT'S ABOUT
BEING BETTER
THAN YOU WERE
YESTERDAY

APPLIED SCIENCES AND HUMANITIES DEPARTMENT

VISION

The Department of Applied Science and Humanities is committed to dynamically integrate the components of Science, Humanities and Engineering to groom students to transform them as globally acknowledged professionals.

MISSION

The department is carrying a mission to create and disseminate the knowledge and techniques in intellectual areas of Engineering and other core areas of Applied Science and Humanities for betterment of Eco system.

To inculcate the importance of Applied Science and develop a natural flair for Engineering and Technology which in turn shall mold students into a competent professional.

To be recognized for practicing the best teaching-learning processes to create highly competent, resourceful and self-motivated young Engineers for the benefit of the society.

INDUCTION PROGRAM PHASE II

The Semester II for the first-year students began with the induction phase II which provided them many learning opportunities and tips to develop and sharpen their academic, professional and social skills. This week-long induction program was conducted from 3rd -10th January 2020

Given below is a feedback given by a first-year students, along with some picture highlighting few moments of the event

Induction program feedback by Urmila Siroka, FE Division: C

Yoga lecture

Yoga freshens our brain and body. It is helpful in both the manner physically as well as mentally. What the yoga class provided to us was the most beneficial for all the students, because as a student we really need a break from all our daily chores. Sir made us do different respiration exercises such as Anulom, vilom, pranayama and even taught different meditation techniques. I think yoga plays a vital role in our day to day life. In fact, all the yoga sessions inspired all of us to maintain our physical and mental fitness.



Guest lecture

We had one guest lecture per day. All guest lectures were taken by subject experts. One of the lectures was taken by our alumni which made all of us proud. They taught us not only to study but also to manage work and experience it. I loved to hear all the efforts they took which made me to ponder about having my own startup. This is how the guest lecture were useful and interesting.



Not only was guest lecture or yoga lectures arranged but fun and gaming activities were also placed in between the lectures. This included egg drop challenge, Urbania, tower making etc. which showed the creative talents that students have. We worked together and all came to know what leadership qualities defines. In Urbania

students showed their business skills.

NSS drive

NSS drive was an awareness drive for the social service. In this NSS dive campaign our seniors taught us about what NSS means and what do they do. They taught us how they enjoy doing social service. every individual should work for our nation as well as our environment.



Tree plantation

In this Tree plantation drive we planted a sapling. This was to make us aware the importance of tree plantation and maintain the balance in the ecosystem. We had to bring the sapling from home. These saplings were planted in our college ground. The tree plantation basically taught us about the different kind of plants and their importance.



Induction program feedback by Isha Panchal, FE Division: B

Induction phase 2 consisted of a mixture of guest lectures and activities.

Some of key features of the Induction Program were guest lectures listed as follows,

Embedded systems by Mr. Chinmay Kolhatkar: He informed about importance of study of Embedded systems, its various applications and how embedded systems are used in various fields He inspired us towards learning Embedded systems.



Startup while you study by Mr. Sagar Mistry: He told us about how he keeps looking for opportunities around him and shared his experience in starting his own business while he pursued his engineering career.

Find happiness in studies by Mr. Satish Derashri: He showed us different ways and methods of studying. In this session different activities were conducted to increase positive energy of the body.

Computer proficiency: Software by Mrs. Hezal Lopez, Mrs. Apurva Chaudhari: This session was about developing the skills required to work on basic software like power point and word.

Computer proficiency: Hardware by Mr. Amit Lauhar: Different parts of computer system were shown, and their functions, working and applications were explained with a flash on history of invention and development of different computer parts.

Industry requirement / Skills required by Mr. Rohan Patnaik:
This session was all developing and gaining information on the skills required and needed to be developed before joining an industry.

Mild exercises: It included all forms of stretching exercises to relax your body and mind.



Egg drop, Tower making and Urbania: This activity used our practical experience of the subject of mechanics and worked as a great team building exercise.

Yoga: Various types of yoga were taught by the professionals which included breathing exercises like anulom vilom, kapalbhati and many more. It also helped in developing a good body posture.



Tree Plantation: Spread awareness about importance of tree plantation and planted saplings in the college campus.

Self Defense Techniques: This session was all about learning to defend ourselves in different circumstances. A spatial session was conducted for girls where they were taught a few of the fighting styles to defend

themselves.



Literary Corner

Anagram (plural anagrams)

A word or phrase that is created by rearranging the letters of another word or phrase. *The word "silent" is an **anagram** of "listen".*

Epigram

An inscription in stone OR A brief but witty saying/poem.

Cryptogram

A type of word puzzle in which text encoded by a simple cipher is to be decoded.

Monogram

A picture drawn in line only, before the colour and/or shading is applied; an outline sketch.

Pangram

A sentence that contains every letter of the alphabet, such as "*The quick brown fox jumps over the lazy dog*" in English.

Compiled by Marina Thomas

AURORA 2020



The Annual Sports week of Universal College of Engineering ‘AURORA 2020’ was organized from 11 January 2020 to 18 January 2020 with great zeal, excitement and jovial atmosphere. The celebration began with the Campus director’s inaugural speech motivating students to participate in sports event with a spirit of sportsmanship displaying their physical strength and an agile mind. The students entered into the spirit of the occasion in a grand way with the oath being administered by the Sports secretary of the Student Council.



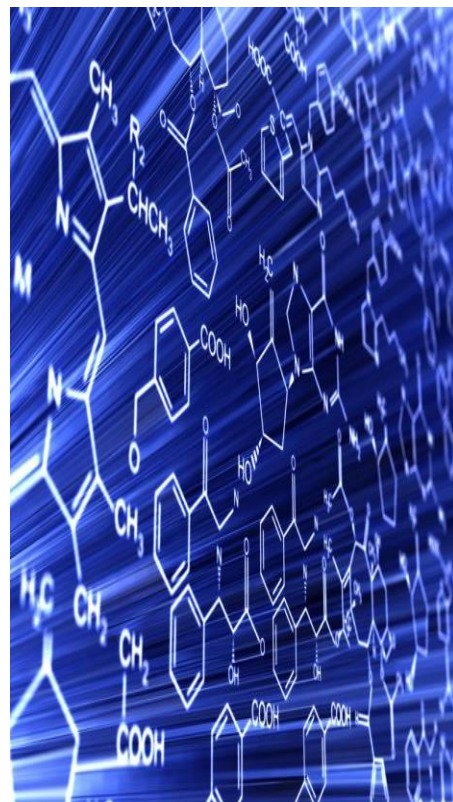
During the sport’s week student showcased active participation with the resolve to do to their best. The students from the Civil Department finally bagged the Champions Trophy for the year.



Interesting Chemistry

Chemistry is a fascinating science full of unusual trivia. Some of the most fun and most interesting chemistry facts include:

- The only solid elements that assume liquid form at room temperature are bromine and mercury. However, you can melt gallium by holding a lump in the warmth of your hand.
- Unlike many substances, water expands as it freezes. An ice cube takes up about 9% more volume than the water used to make it.
- If you pour a handful of salt into a full glass of water, the water level will actually go down rather than overflowing the glass. Similarly, if you mix half a litre of alcohol and half a liter of water, the total volume of the liquid will be less than one litre.
- The human body contains enough carbon to provide "lead" (which is really graphite) for 9,000 pencils.
- The rarest naturally occurring element in the Earth's crust may be astatine. The entire crust appears to contain about 28 grams of the element.
- Bee stings are acidic, while wasp stings are alkaline.
- By the time you feel thirsty, you've already lost about 1% of your body's water.
- Sometimes, hot water freezes more quickly than cold water. A high school student documented the effect, which bears his name (the Mpemba effect).
- Although oxygen gas is colorless, the liquid and solid forms of oxygen are blue.
- Lightning strikes produce O₃, which is ozone, and strengthen the ozone layer of the atmosphere.
- The chemical name for water (H₂O) is dihydrogen monoxide. Hydrogen is the most abundant element in the universe, while oxygen is the most abundant element in the Earth's atmosphere, crust, and oceans (about 49.5%).
- The only letter not appearing on the periodic table is J.
- Approximately 20% of the oxygen in the atmosphere was produced by the Amazon rainforest.
- Mars is red because its surface contains a lot of iron oxide or rust.



Ideas Invented in Dreams

A sewing machine is something we all take for granted. All it basically does is repeatedly stab pieces of



cloth together until you have something to wear. But creator Elias Howe was initially stuck on a design element for his new invention. In a violent dream based on his frustrations, he dreamt that cannibals threatened to kill him if he couldn't come up with a design. Because he failed to come up with a solution in his dream as well, the cannibals stabbed him with spears that featured a hole in the tip. That hole in a needle tip was all that was missing to make the sewing machine work.

The creation of Google can be traced back to a dream and the fear of a clerical error. Back in 1996, Larry Page had an irrational fear that he was admitted into college because of an error and believed he would be kicked out of college at any moment. That anxiety fueled a dream of downloading and storing the Internet on individual PCs. When he woke up, he was curious to see if it was possible, so he did the math. Given the amount of data, it wasn't — but he could save them all as individual links. That gave him the idea of creating a searchable database of links to web pages and that led to the creation of Google.

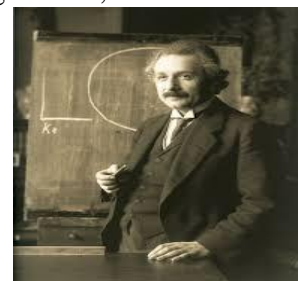


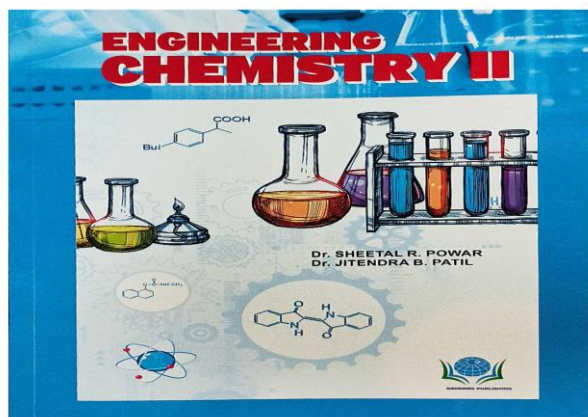
h, the periodic table of elements. A logical system that presents elements and gave us that cool Breaking

Bad television title. But it wasn't always organized that way. In fact, it wasn't organized until 1869 when renowned chemist Dmitri Mendeleev published what he saw in a dream. Unlike some other scientists on this list, his dream was pretty simple as he just saw all of the elements fall into place on a table. His original version listed them by atomic weight which was then adapted into the modern periodic table that sorts elements by how many protons in an atom each element has.

Einstein may have published his theory of relativity when he was in his mid-twenties but the idea for it came much earlier. In fact, it came to him in a dream when he was just a teenager. In it, he dreamt he came upon a farm with a bunch of cows huddled behind an electric fence.

When the farmer — who was at the opposite end of the field — turned the fence on, all of the cows jumped back at the same time. However, when he went to talk to the farmer, the farmer said he saw them jump away one-by-one from the fence. This dream led to his realization that events look different depending on where you're standing due to the amount of the time it takes light to travel.





PhotoScan by Google Photos

Congratulations!!!!

To Dr. J.B Patil for publishing
'ENGINEERING CHEMISTRY II

Welcome !!!



The FE Department welcomes Dr. Ruchi Tripathi who joined on January 2020 as a lecturer in Professional Communication and Ethics

Send Your Articles and feedbacks to ashtagucoe@gmail.com

Follow us on our Facebook Page:

https://www.facebook.com/ashtaguniversal/?modal=admin_todo_tour