



Vidya Vikas Education Trust's
UNIVERSAL COLLEGE OF ENGINEERING

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DTE code:3460

Linguistic (Gujarati) Minority Institution

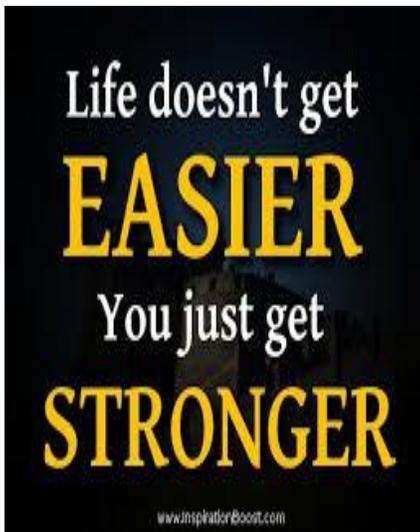
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APPLIED SCIENCES AND HUMANITIES DEPARTMENT



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.

TIME

What is time? A deceptively simple question, yet it is key to understanding relativity. When we describe motion, we do so as a function of time meter per second, miles per hour. But the mathematical description of velocity is moot unless we can define time. Is time universal? In other words, is there an audible tik tok throughout the galaxy, a master clock, so to speak, forging ahead like Mozart's metronome? The answer is my friends NO. According to Einstein time is not absolute. He believes that for physicists the distinction of past, present, and future is but a stubborn illusion. But understanding time is essential to understanding relativity.



Let us close our eyes and imagine. To truly grasp the idea of time, we must take a step back and ask, what is light? So, journey with me to the Sun. Light travels from Sun to Earth through space, yes. When I was a kid, I wanted to know how can something, light travel through nothing, Space? Let us isolate a beam of

light and travel alongside it. But let us go faster and faster and faster and now ask again what time is?

What if you can see your past? Let us imagine that we are faster than tachyons, the fastest material travelling known. It is faster than light. Just take a mirror, place it still and run at speed greater than tachyons, away from it.

When you look back on mirror you would see yourself still running while you are not. That is the past. When you look at mirror while dressing up you doesn't feel that way. You think all you see is present. That is relativity.

Are you familiar with Heisenberg's Uncertainty Principle? Clear? It states that more accurately we can measure the velocity of a particle, the less accurately we can measure its position its space. But according to Neil Bohr particle does not exist until we observe it. Does that feel logical to you? Neil Bohr argued about this with Einstein and said, "The principle works, and it helps us to use quantum world." Einstein replied "The goal of scientific pursuit should not be merely making use of world around us. It should be able to understand it fundamentally, no matter what use it might have." What was that fundamental thing Einstein was talking about? Was it time? Who knows?

Time may be an illusion but most surprising one. That is why great people say past is newspaper, future is question paper but present, well it is a surprise for you.

Sasin Nisar (FE/B)

The key to life is accepting challenges. Once someone stops doing this, he is dead. -Bette Davis

CORONA VIRUS OUTBREAK: LESSONS LEARNT

Today I am going to articulate my thoughts on the topic “Corona virus outbreak: Lessons Learnt”.

Not a few days ago, Coronavirus outbreak was declared as a pandemic by World Health Organization. ‘Pandemic’ is a disease which affects people living in more than one nation. We have faced various pandemics before, such as tuberculosis, smallpox even flu and AIDS but ‘Corona virus’ is deadlier. The bad news is that scientists and biologists have not succeeded to find a cure for it. No wonder it has affected lives of people all around the world in just few days.



Though it ill-effects his virus has turned some impossible things to possible. First lesson corona virus made the proverb ‘Cleanliness is next to Godliness’ come true. This proverb was taught to us by our elders and teachers. Even our Prime minister Narendra Modiji initiated a mission called ‘Swachh Bharat Abhiyan’ few years ago. But the cleanliness did not last long after the mission ended. But now our surroundings look way cleaner than before. People have started keeping their homes and surroundings spick and span. Be it schools, companies, hotels or even means of transport; cleanliness is everywhere.

The second lesson we have learnt is ‘Health is Wealth’. We are living in a busy era. Be it a student or an employee we have tons of things to do. We

always overlooked our health. But now you can see that when time arrives people can do anything to save their lives. We started giving time to our tired body and started caring for the people around us. Be it washing hands, bathing twice a day, using hand sanitizers, avoiding crowded places, or eating healthy we proved ourselves that anyone can inculcate these habits if tried religiously.

Last lesson we have learnt is 'Going Cashless'. Our Government had already appealed us to go cashless by using money transfer apps .But many people thought it wasn't a good idea to carry a card everywhere and some believed it was a long process and avoided it .But today going cashless proved to be a preventive measure to avoid the spread of COVID.

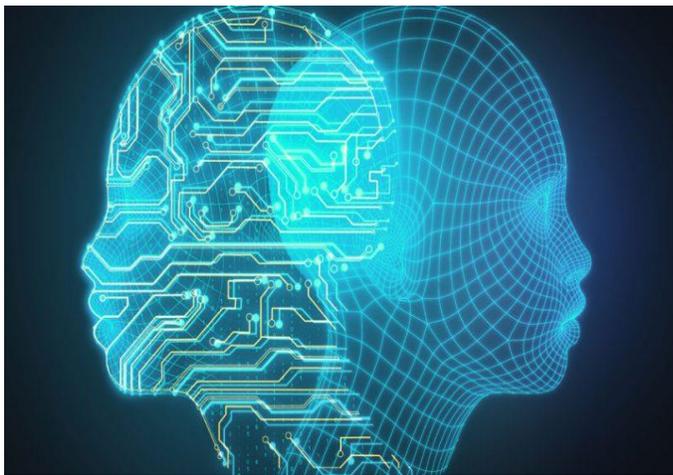
If only we had learnt these three lessons before; we could have stopped this outbreak. But now we can say that we are prepared for any such future outbreaks beforehand.

Surti Rohan Naresh (FE/C)

You should never view your challenges as a disadvantage. Instead, it's important for you to understand that your experience facing and overcoming adversity is actually one of your biggest advantages. Michelle Obama

ARTIFICIAL INTELLIGENCE

I am a science fiction fan. I have watched science fiction movies like Iron man. And how that Iron man built that Jarvis thing. My computer also does things that I give it commands for. But it is not that smart. My computer cannot talk with me, it cannot understand me. It is so unhuman. But think about one thing that if Iron man or Tony stark can build it, why can't we? Or why cannot we have the same access as somebody else. Maybe he is a fictional character or maybe this thing is only in the movies. But when



something is portrayed in the movies it is because that can be possible. It is something out of creation of somebody and everything comes out of creativity, everything which has been built in the world has come out of somebody imagining it. And if

they can imagine that this can be possible, it can be imagined: how can it be made possible as well. That almost my introduction to artificial intelligence.

John McCarthy invented the term Artificial Intelligence in the year 1950. So artificial intelligence simply means electronic gadgets been given the thinking abilities which are right now accessible only to human brain.

For example: If an electronic gadget has the abilities of visual perception, audio recognition, speech recognition or decision making, abilities to identify the difference between a dog and a cat, means that it possesses artificial

intelligence. The advantages of AI application are enormous and can revolutionize any professional sector.

The one of the biggest advantages of AI is that we can overcome many risky limitations of humans by developing an AI Robot which in turn do risky things for us. Using AI we can make machines work 24x7 without any breaks as they do not get bored or tired like humans. Daily applications such as OK Google, Siri, Cortana are frequently used in our daily routine whether it is for searching a location, making a phone call, replying to a mail and many more. AI is powering many inventions in almost every domain which will help humans solve many complex problems.

As every bright things have a darker side to it, AI also has disadvantages. As AI is updating every day the hardware and software need to get updated daily. Machines need repairing and maintenance which is costly. AI is making humans lazy with its applications automating most of the work. Humans are addicted to these inventions which can cause a problem to our future generations. As AI is replacing many jobs and reducing human involvement the future generation will have hard time finding employment.

Every invention will have both advantages and disadvantages. Humans need to take care to use invention positively and to create a better world.

Neel Damania (FE/A)

Accept the challenges so that you can feel the exhilaration of victory - George S. Patton

Humor is essential, even (or especially) in the darkest of times. Shared laughter gives us strength in adversity and can help us feel a bit more in control when the future is uncertain. funny jokes — even funny coronavirus jokes — bring us together and help us to feel connected, one lockdown bubble to another. Here are some

If I get quarantined for two weeks with my wife and I die. I can assure you it was not the virus that killed me.

Did you hear the joke about the germ? Never mind, I don't want to spread it around.

What do you tell yourself when you wake up late for work and realize you have a fever? Self, I so late.

What should you do if you don't understand a coronavirus joke? Be patient.

With all this talk of Corona Virus, the people who make sanitising gel are rubbing their hands together.

Edited and Compiled by Marina Thomas

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