

Motivational story



Bill Gates

An American programmer, entrepreneur, investor and philanthropist, the Co-Founder of Microsoft Corporation and one of the most influential people in the world, Bill Gates was born on October 28, 1955 in Seattle, Washington. One of the most inspiring personalities in history, Bill Gates has had a life filled with successes. Here is everything that you ever wanted to know about the life and success of Bill Gates. Bill Gates developed a passion for computers and programming as early as 13. Seeing his flare in programming, The school administration decided to buy a computer from the General Electric Company. At the school, Gates met Paul Allen and they worked together to find bugs in a system belonging to Computer Center Corporation. In 1975, Bill Gates and Paul Allen co-founded a software company and they named it Micro-Soft. For a few years now, Gates has not been involved in the day-to-day operations of Microsoft and he has dedicated most of his time towards philanthropy and community projects.

As the computer industry grew, with companies like Apple, Intel and IBM developing hardware and components, Gates was continuously on the road touting the merits of Microsoft software applications. Gates' intelligence allowed him to see all sides of the software industry, from product development to corporate strategy. When analyzing any corporate move, he developed a profile of all the possible cases and run through them, asking questions about anything that could possibly happen. He expected everyone in the company to have the same dedication. His confrontational management style became legend, as he would challenge employees and their ideas to keep the creative process going. Later in his career and since leaving Microsoft, Gates pursued a number of philanthropic endeavors. He donated large amounts of money to various charitable organizations and scientific research programs through the Bill & Melinda Gates Foundation. The billionaire Microsoft co-founder has become the largest owner of farmland in the United States by quietly buying up massive plots across the county and now he is the America's farmland king.

"It's fine to celebrate success but it is more important to heed the lessons of failure"

- Akshaya C V

ISRO's half-humanoid space for trial before Gaganyaan



The half-humanoid, made by ISRO, will be sent to space as a trial before the manned mission of Gaganyaan in 2022. After a year-long effort by ISRO's Inertial Systems Unit, the half-humanoid Vyom Mitra was created in Thiruvananthapuram. She will be put into a space capsule and sent to space either by the end of 2020 or at the beginning of 2021. Vyom Mitra is developed with the ability to perform switch panel operations, environment control and life support systems functions (ECLSS), and speak to fellow astronauts and respond to their queries.

- Rithika S M

Microsoft's Cloud Computing Tapped by Volkswagen to Develop Self-Driving Software

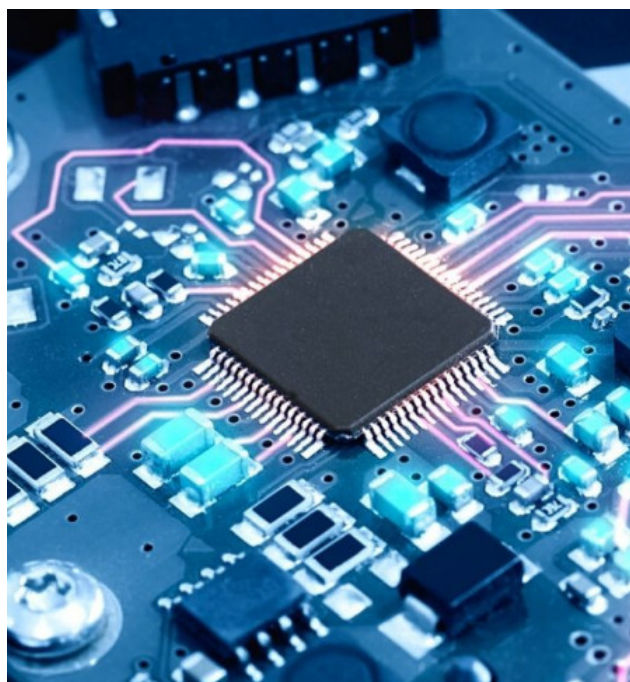


Volkswagen AG on Thursday said it will use Microsoft's cloud computing services to help it streamline its software development efforts for self-driving cars. Volkswagen, which owns brands such as Audi and Porsche, is working on both self-driving cars for the future and driver-assistance features such as

adaptive cruise control in current vehicles. But the company's brand had been developing those features independently. Last year, Volkswagen consolidated some of those development efforts into a subsidiary called Car. "Over-the-air updates are paramount," said Hilgenberg, chief executive of Car. Software. "This functionality needs to be there. If you can't do it, you will lose ground." In practical terms, the deal means that cars that initially hit the road with a few driver-assistance features today could add new capabilities over time that bring them closer to autonomous driving, said Scott Guthrie, executive vice president of cloud and artificial intelligence at Microsoft.

- Rithika S M

Global Chip shortages



The global shortage of semiconductor chips that has been plaguing the automobile industry since last year has now hit the electronics industry as well. Automakers alone could face a \$61 billion hit in sales due to chips shortage, Bloomberg reported. While the impact on the electronics industry cannot be quantified yet, the report said it could be much larger. Cristiano Amon, Chief Executive Officer (CEO) of Qualcomm, said the shortage in the semiconductor industry is "across the board", as quoted by the business news website.

- Yalini P

Reader's Attention please!

Some virtual badges and gifts are hidden in this news paper, try to collect it and enroll your names in that badges. The person who collects more virtual badges will be offered an internship or paid workshops.





Canon to Launch Satellite with Camera Based on the 5D DSLR

Canon is planning to launch a miniature satellite into orbit, and onboard will be a space camera that's based on the Canon 5D DSLR. The satellite, which weighs just 65kg (~143 pounds) and measures 85x50x50cm (2.8x1.6x1.6 feet), will be loaded with Canon's optical and imaging technologies developed through decades in the camera business. An onboard telescope will be mounted to an image device that's based on the Canon EOS 5D DSLR line. As it orbits the Earth 15 times a day at an altitude of 500km (311 miles), the satellite camera will be able to shoot photos with a 1-meter resolution for industries such as agriculture, commerce, surveying, market research, and disaster prevention. Canon plans to test and calibrate the space-based photography for the first two years while signing up future clients at the same time. The company hopes to reach annual sales of about \$482 million by 2020 and nearly \$1 billion by 2030.

- Prasanth A

Samsung | NEON artificial humans fit into banking of the future

Samsung had unveiled its NEON artificial humans earlier this year. NEON Frame is a device that features NEON artificial humans, a large portrait screen, a 4K vision sensor, RGB status lighting, Hi-Fi speakers and microphones, and a fingerprint reader to offer a next-generation experience to customers. The device can also be fitted with additional features and security measures such as card readers, contactless payments, and more. The company hopes to reach annual sales of about \$ 482 million by 2020 and nearly \$1 billion by 2030. NEONs are powered by Samsung's CORE R3 and SPECTRA technologies. Core R3, which is developed by STAR Labs, stands for Reality, Realtime, and Responsive, and it computationally creates lifelike reality.

- Prasanth A



6G - WHAT IT IS AND WHEN TO EXPECT IT

The wireless industry has revolutionized the way we work and play, so it's no wonder why 5G has grabbed everyone's attention. While commercial cellphone providers and equipment vendors are working feverishly to build out 5G, and as the public eagerly awaits its rollout, researchers around the world are at work producing the wireless world's next generation: 6G. By using electromagnetic frequencies above 95 Gigahertz, future cellphones will be able to use massive channel bandwidths and highly directional antennas that allow excellent coverage and enable new applications. These frequencies, which are 40 times greater than today's 4G cellphone frequencies, and three to four times greater than the new 5G frequencies. 6G phones may someday replace eyeglasses through the use of goggles, which can double as headphones, that have incredible imaging capability and stereophonic sound. Several companies (i.e., Nokia, Ericsson, Huawei, Samsung, LG, Apple) have shown interest in 6G. China, South Korea and Japan also reportedly have interest. 6G will likely become commercially available in the 2030s.

- Gowtham R

'MapmyIndia' ties up with ISRO to build an alternative to Google Maps

Indian Space Research Organisation and location and navigation technology solutions provider MapmyIndia announced an initiative to partner together to offer India's best, and fully indigenous, mapping portal, and geospatial services. It combines the power of MapmyIndia's digital maps and technologies with ISRO's catalogue of satellite imagery and earth observation data, according to MapmyIndia's CEO and Executive Director, Rohan Verma. He termed it a path-breaking milestone in India's journey towards Aatmanirbhar Bharat, wherein Indian users would not be dependent on foreign organisations for maps, navigation, and geospatial services, and leverage made-in-India solutions instead. "You don't need Google Maps/Earth any longer", Verma said in the headline in an article on LinkedIn. "MapmyIndias maps cover all 7.5 lakh villages, 7500+ cities at street and building-level, connected by all 63 lakh kilometres of road network pan India and within cities, in total providing maps for an unparalleled 3+ crore places across India," the company statement said.

- Sathika J



Facebook reportedly working on a smartwatch with health features

As per a report by The Information, the smartwatch that Facebook is building will be an Android-based smartwatch. The report says that the Facebook smartwatch will come loaded with health and fitness features. The unique feature that the smartwatch could come with is the ability to send messages from the watch directly. For now, this feature is not seen in any of the smartwatches. Facebook could start selling the smartwatch next year. Facebook's smartwatch will work via a cellular connection, letting users send messages through its services and also connect to the services or hardware of health and fitness companies, such as Peloton Interactive. It is coming up with products including virtual reality headset Oculus and video chatting device Portal.

- Dharshini

Chameleon-Like Material Spiked With Boron Comes Closer To Mimicking Brain Cells

Ever wish your computer could think like you do or perhaps even understand you? That future may not be now, but it's one step closer, thanks to a Texas A&M University-led team of scientists and engineers and their recent discovery of a materials-based mimic for the neural signals responsible for transmitting information within the human brain. The multidisciplinary team has discovered a neuron-like electrical switching mechanism in the solid-state material β' -Cu₂V₂O₅. In the process, they zeroed in on how copper ions move around inside the material and how this subtle dance, in turn, sloshes electrons around to transform it. Their research revealed that the movement of copper ions is the linchpin of an electrical conductivity change which can be leveraged to create electrical spikes in the same way that neurons function in the cerebral nervous system -- a major step toward developing circuitry that functions like the human brain.

- Sri Swetha CS



STUDENTS CORNER

THEDAL



Name : Lokitha Thangavel

Year : 3rd year ECE

Ms.Lokitha Thangavel has successfully taken her GATE exam. She was a student research associate in research cell of KCT. Also she contributed in various clubs. She is very fond of mathematics and according to her, technology is a tool which accomplishes our daily life with different levels. She looked into electric vehicle technology as her favorite and presently she has undergoing research on that. Also DRDO will convert their armed vehicles into electric vehicles by 2050 is her view. She learned tech related stuffs through more explorance in Rè. She had recently completed her GATE exam.

With the good scores in GATE, we can join in junior research fellowship. She is also a state level yoga and karate player who won many competitions too. For her boost up, she will watch Elon Musk videos and series. She said that preparation of GATE exam needs 1 year of time and its better to have a clear view in mathematics to participate in that Gate exam. Also concepts of core subjects in your domain of engineering should be well focused to get good results in GATE.

Ms. Lokitha told us that with the best scores, we can get selected in public sector unit jobs like mini ratna, mega ratna, nava ratna,etc..To get selected for this companies we should maintain our scores above 60% or 85%. She stated that, also Private companies like Chennai metro can took people for their company with GATE scores. She concluded by saying that, even though GATE awareness is less in our state, it has a great value, so everyone should consider and use the opportunity.

- Ellakkiya V

ECEயும் நானும்

மின்சாரம் போல் ஓடுங்கள்

வாழ்க்கையில் வெற்றி பெற மின்சாரம் போல் ஓடுங்கள்! இந்த மின்சாரம் சீக்கிரம் துண்டிக்கப்படும் என்று எள்ளி நகையாடுவோரிடம் சொல்லுங்கள்; கல்வியும் முயற்சியும் ஜெனரேட்டராய் இருக்கும் வரை இந்த மின்சாரத்தை எவராலும் துண்டிக்க முடியாது என்று!!

- Priyadharshini S

DA Activities

NPTEL awareness and its benefits

Day : Monday

Date : January 25

Platform: MS Teams

Time: 5 to 6 pm

Why ECE 2.o Session 1

Day : Wednesday

Date : January 27

Platform: MS Teams

Time: 5 to 6 pm

Organizer: Shyamala devi V Abishek M

Why ECE 2.o Session 2

Day : Friday

Date : January 29

Platform: MS Teams

Time: 5 to 6 pm

Organizer: Shyamala devi V Abishek M

Why ECE 2.o Session 3

Day : Sunday

Date : January 31

Platform: MS Teams

Time: 5 to 6 pm

Organizer: Shyamala devi V Abishek M

Why ECE 2.o Session 4

Day : Tuesday

Date : February 2

Platform: MS Teams

Time: 5 to 6 pm

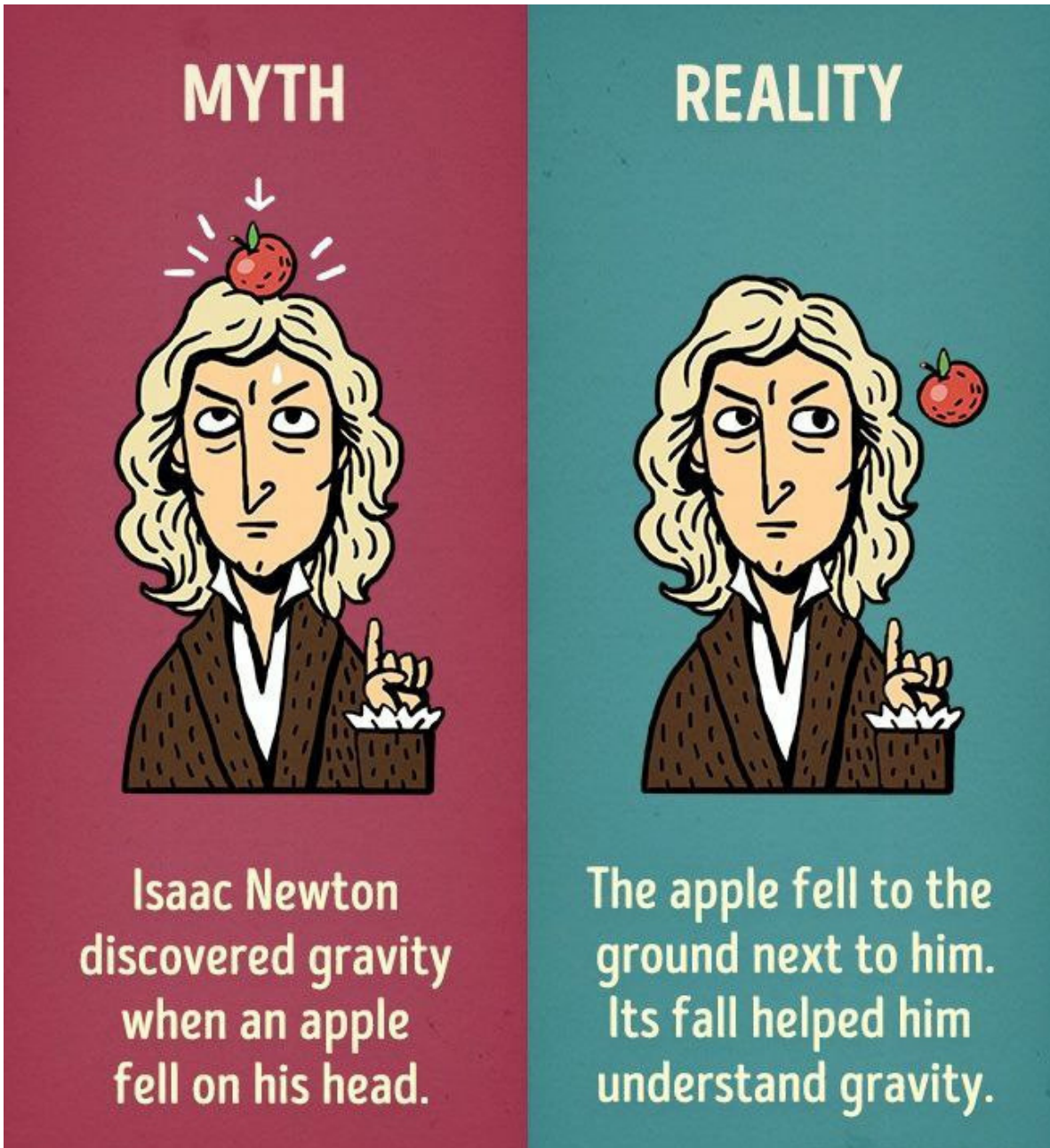
Organizer: Shyamala devi V Abishek M

UNNOTICED

- 1.Buy a Electric Tesla car using Bitcoin in the future: Elon Musk.
- 2.Google likely to roll out dark mode for desktop search engine.
- 3.Hyundai: The carmaker aiming to become a tech firm.
- 4.WhatsApp Testing Log Out Feature to Enable Better Multi-Device Support.
- 5.US airline set to buy flying electric taxis for airport runs.

- VijaiShree S

Real Creator



- Harine M S

Choose the Beam!



We all love our cartoon characters, from childhood till now we used to watch all cartoon elements. Mainly Mr. Beam, Mr Bean, a fastidious bachelor, lives with Teddy, his stuffed brown bear. He finds unconventional ways to do seemingly normal tasks and often gets into trouble with his landlady, Mrs Wicket. He always do some weird stuffs right same way Mr. Bean is baking cake for his teddy one day. He sets the microwave at a Voltage of 24 ($V=24V$) and resistance at 4ohm ($R = 4ohm$) and time as 3secs ($T = 3\text{ sec}$). He sets these parameters randomly and walks away into the hall. What will happen to the cake ? Does it turn out or burn out ? Choose the situation Mr.Bean will be in from the image after 3 secs.

CLUE: FIND THE CURRENT FLOWING AND YOU WILL REACH THE ANSWER !

[CLICK HERE TO ANSWER](#)

- Shamita V

Facts

Stop telling me technology is changing us



PIC - ELATE

REALTE FIND AND GET ELATED



PIC - ELATE 😊

"You have to deal with your emotions and not spike too much on the graph - not get too elated with the highs or too down with the lows"

Observe the picture given. It is something related to engineering. Pick the word and get elated !

CLUE: It is a subject related to Engineering!

[Click here to Answer](#)

- Shamita V

Amazon inks another sports deal as AWS

Amazon Web Services is broadening its reach across the professional sports landscape, announcing a new partnership with the National Hockey League Wednesday to be the official cloud, artificial intelligence, and machine learning infrastructure provider for the league. The goal is to better capture details of the game for fans, teams and media partners, enable easier search and retrieval of archival video footage, and give broadcasters instant access to NHL content for syndication and licensing. Amazon also has a multi-year streaming deal with the NFL. AWS’s machine-learning capabilities and how new stats such as goal predictability or faceoff-win probability will change the viewing experience for fans at home. The new analytics leveraging AWS will be introduced throughout the upcoming season.

Intersection of Sports, Health and Tech

While the traditional sports industry was heavily impacted by Covid-19 in 2020, sports tech and health tech, in particular, had a prosperous year. Peloton is three times more valuable than established sports brand PUMA. Connected fitness has substantially grown as lockdowns have prompted a fundamental change in the behaviour of millions of people who have opted for at-home digital fitness experiences to keep mentally and physically active.

- Swetha S V



16 Tips for Starting and Succeeding in Your Own Business

8. Start on a small scale before going all out.

Some people believe that entrepreneurs are risk-takers. But for the most part, successful entrepreneurs don't like walking blindfolded on a limb. Instead, they take controlled risks. They test an idea on a small scale, then build on what works well, tweak what shows promise, and discard the disasters.

9. Don't fixate on mistakes or get demoralized by them:

The difference between successful people and everyone else is that the successful people learn from their mistakes and move on. They don't dwell on failure, blame the economy, curse their bad luck, or blame other people for their fate. If the path to their goal is blocked, they look for an alternate path or sometimes choose a different, more attainable goal.

10. Learn from others:

Find mentors, join groups with like-minded people, learn everything you can about your industry and what it takes to get from where you are to where you want to be. Attend industry conferences. Take training courses when they are available. Buy courses offered by experts. You'll save a tremendous amount of trial and error by learning from people who have been there before.

11. Think of what you do AS a business:

Keep track of income and expenses, keep business money separate from personal funds, find out what regulations your business needs to abide by.

12. Understand the difference between working for yourself and building an ongoing business:

If you want to build a business, you need to develop systems and methods that allow you to hire other people to DO the work of the business while you plan it. You limit the potential for growth if you don't bring in other people to work for you.

to be continued...

- Moni Sree H

2 WAYS TO BECOME A BILLIONAIRE

1



FIND A PROBLEM AND SOLVE IT

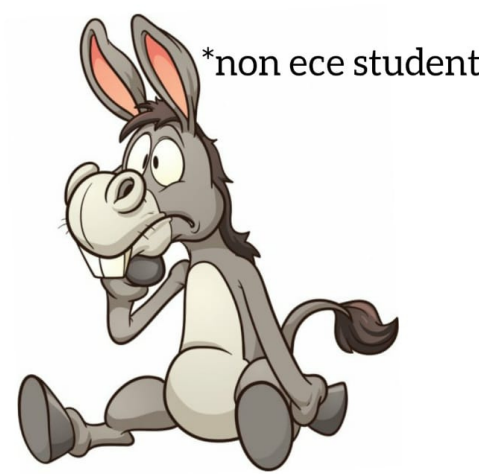
2



FIND A NEED AND FILL IT

MEME

Decimal system : 1+1=2
Binary system : 1+1=10
Boolean algebra: 1+1=1



EVENTS

1.Virtual International Conference on Modelling, Simulation and Control ICMSC 2021, Karpagam College of Engineering, International Conference, Coimbatore, Tamil Nadu, 26th - 27th February 2021.

[Click here to know more](#)

2.AICTE-ISTE Refresher Programme on Digital Marketing 2021, Sri Ramakrishna Engineering College, Faculty Development Program, Coimbatore, Tamil Nadu, 24th February - 2nd March 2021.

[Click here to know more](#)

3.One week online Induction/Refresher program on Integration of Pedagogical strategies with ICT for Transformation of Engineering Education 2021, PSG Institute of Technology and Applied Research, Faculty Development Program, Coimbatore, Tamil Nadu, 25th February - 3rd March 2021.

[Click here to know more](#)

- Moni Sree H

JOB OPPORTUNITIES IN ECE

Tele Communication:

- Telecom
- Sales Engineer
- Telecom
- Network Engineering
- Professor

Companies:

- Telecommunications, Vodafone, Jio, Airtel, Micromax, Bsnl

- Shyamala Devi V

GENERAL APTITUDE

1. The missing number in the given sequence 343, 1331, __, 4913 is

- (A) 3375
- (B) 2744
- (C) 2197
- (D) 4096

2.Eight machines take 8 minutes to make 8 identical toys. At the same rate, how many minutes would it take for 100 machines to make 100 toys?

- (A) 800
- (B) 8
- (C) 100
- (D)1

3.40% of the deaths on city roads may be attributed to drunken driving. The number of degrees needed to represent this as a slice of pie chart is

- (A) 120
- (B) 144
- (C) 160
- (D) 212

4.The volume of a sphere of diameter 2 unit is __ than the volume of a cube of side 2 unit

- (A) least
- (B) less
- (C) lesser
- (D) low

5.The number of 3 digit numbers such that the 1 digit is never to the immediate right of 2 is

- (A) 781
- (B) 791
- (C) 881
- (D) 891

[Click here to know more](#)

- Vijai shree S



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