

Motivational story



Sunder Pichai

The Man who grew up without much access to technology, their family didn't get their first telephone till he was ten, he didn't have regular access to a computer till he came to America for graduate school, on the television, when they finally got one, only had one channel. By contrast, we grew up with computers of all shapes and sizes. This successful CEO was a shy kid, as well as a bright student who got him a seat for materials science and engineering, in the Indian Institute of Technology, Kharagpur. Sundar had a remarkable skill of memorizing and remembering numbers. His father spent the equivalent of a year's salary on his plane ticket to the US so he could attend Stanford. It was his first time on a plane. America was expensive. A phone call back to his home was more than \$2 a minute, and a backpack cost the same as his dad's monthly salary in India. The only thing that he got from here to there—other than luck—was a deep passion for technology and an open mind. He won a scholarship from Stanford University to study semiconductor physics and materials science.

Sunder was appointed as a management consultant at McKinsey Company and worked in engineering and product management. Later he joined Google in 2004 and launched a free mail service called Gmail. He was responsible for Google Chrome OS, Google Chrome as well as being largely responsible for Google Drive. Pichai led the launch of Google Chrome in 2008. Pichai stepped into the new position after the formation of Alphabet Inc. On October 24, 2015 Alphabet Inc. was the new holding company for Google.

There was a simplicity to my life, which was very nice compared with today's world. We lived in a kind of modest house, shared with tenants. We would sleep on the living room floor. There was a drought when I was growing up, and we had anxiety. Even now, I can never sleep without a bottle of water beside my bed. Other houses had refrigerators, and then we finally got one. It was a big deal. "It shows the rise of Sundar Pichai as the most popular CEO of the two largest companies in the world, GOOGLE, and ALPHABET Inc. It is a complete example of the quote "Dreams do come true if one chose to believe in it and follow it".

- Akshaya C V

Apple may launch self-driving car in 2024



After phones, laptops, and audio products, Apple will soon foray into the automobile industry. As per Reuters, Apple is planning to build a self-driving car and could launch it in the market in 2024. Apple could produce a passenger car with its own battery technology.

Sources familiar to the Apple car project had told Reuters that the car would be a passenger car. "As for the car's battery, Apple plans to use a unique "mono cell" design that bulks up the individual cells in the battery and frees up space inside the battery pack.

- Swetha S V

Using blood test data, AI can help laboratories detect Covid-19 infection probability



Hospital-based laboratories and doctors at the front line of the Covid-19 pandemic might soon add a new arrow to the testing toolkit quiver, i.e. Artificial Intelligence. A recent study conducted by researchers from the University of Vermont in the US and Cedars-Sinai describes the performance of Bio

cogniv's new AI-COVID software. The research team found high accuracy in predicting the probability of Covid-19 infection using routine blood tests, which can help hospitals reduce the number of patients referred for scarce PCR testing. The researchers were successful in training their AI model to analyse changes in these routine tests and assign a probability of the patient being Covid-19 negative with high accuracy. AI-COVID takes seconds to generate its informative result once these blood tests return, which can then be incorporated by the laboratory into its test interpretation. In an efficient emergency department that prioritises these routine blood tests, the door-to-result time could be under an hour.

- Rithika S M

Marvell launches O-RAN platform



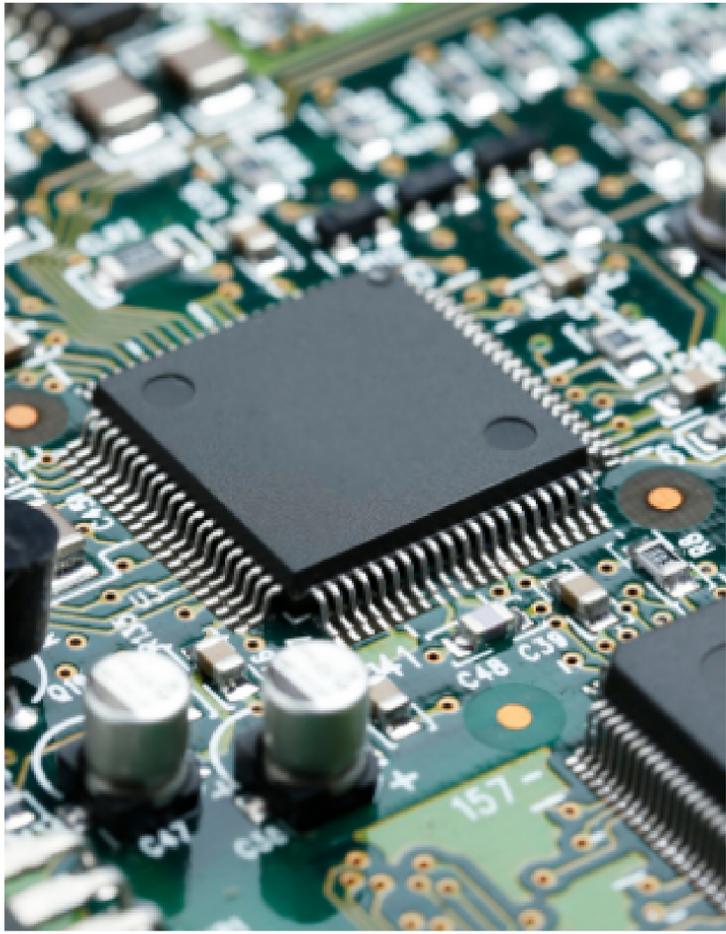
Marvell has introduced its 5G O-RAN portfolio with a virtualized radio access network (vRAN) platform. With Open Ran Alliance compliance, Marvell's O-RAN platform solution brings established, leading-edge DPU and connectivity technology to the emerging open RAN and vRAN markets. Marvell's OCTEON Fusion baseband processors, OCTEON multi-core DPUs and Pretera switches have enabled telcos to deploy hundreds of 5G and LTE networks worldwide. The OCTEON Fusion baseband processor has 15 Gbps capacity and support for 200MHz channelization,

- Gowtham R

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.





Electronics industry seeks separate incentive for PCB manufacturing in India

Pankaj Mohindroo, Chairman of the ICEA said the government's production linked incentive (PLI) scheme is a separate incentive being sought for manufacturing and export of PCBs in general. PCB manufacturing for mobile phones in India has grown from about ₹3,000 crore-4,000 crore in 2015-16 to ₹90,000 crore, due to the rise in domestic manufacturing of mobile phones in the Indian market. According to the report, the industry can achieve \$109 billion in exports from India if the government provides 6% incentive to it. Without support, the same is estimated to fall to \$4 billion, the report states. China has already built large capacities of PCB manufacturing, which allows the country to undercut Indian manufacturers, even with lowered import duties for PCBs in India. As a result, manufacturing PCBs in India will help companies cut costs.

- Yalini P

Google storage policy changes from June 1, 2021

Google is making changes to its online storage policy from June 1, 2021. The company had already announced that it would no longer allow free storage on Google Photos, which marks a departure from the existing policy where high-resolution videos and photos uploaded to the service are not counted against Google Storage. But from June 1, 2021, there will be a lot of changes that users will need to keep in mind for their individual Google Accounts. However, Google also notes that only files created or edited after 1 June 2021 will count towards the 15GB or higher quota. The policy notes, "Files uploaded or last edited before 1 June 2021 will not count towards your quota," so this is an important point to keep in mind. The same applies for photos which were uploaded before June 1, 2021.

- Prasanth A



Skylotech India partners with BSNL to launch satellite-based narrowband IoT network

Global machine connectivity solutions company Skylotech India has partnered with BSNL to launch a satellite-based narrowband IoT network in India. This new technology supports the Department of Telecom and NITI Aayog's plan of bringing indigenous IoT connectivity to India's core sectors. Examples of where this technology has already been tested successfully include Indian Railways, fishing vessels, and enabling connected vehicles across India. "For centuries, industries, including agriculture, railways and fisheries, have been operating offline, and have not had the opportunity to take full advantage of the latest advancements in AI & IoT- until today. This is the world's first satellite-based NB-IoT network and I am proud to launch this capability in India first to transform lives and our domestic industries," said Parthsarathi Trivedi, CEO of Skylo.

- Swetha S V



Google Chrome, Firefox, Other Browsers Impacted by Widespread Malware Campaign: Microsoft

Google Chrome, Firefox, Microsoft Edge, and Yandex browsers are affected by an ongoing malware campaign that is designed to inject ads into search results and add malicious browser extensions. Microsoft said that from May to September, it recorded hundreds of thousands of encounters of the Adrozek malware globally. The ultimate aim of the new malware campaign is to lead users to affiliated pages by serving malware-inserted ads on search results. However, just like any other malware, once installed, Adrozek makes changes to certain browser extensions. Microsoft is suggesting users to install an antivirus solution like the Microsoft Defender Antivirus which has a built-in endpoint protection solution. The scope of the latest malware campaign seems limited to Windows devices as there are no findings to highlight its impact on macOS or Linux machines.

- Rithika S M



Dell, Intel and Google form new computing group

Google, Dell, Intel and a handful of other major tech companies in the IT and cloud computing industries have banded together to tackle joint problems around security, remote work, and other enterprise issues that have only become more important during the coronavirus pandemic. The Modern Computing Alliance will initially be focused on six areas: performance, security and identity, remote work, productivity, collaboration and health care. The alliance will focus on developing new standards and interoperable technologies that can be used by any company that relies on one of the partners' platforms or products. Google is engaged in the effort with its Chrome browser and Chrome OS teams, as well as the division responsible for Google Workplace. The group also intends to have some concrete action plans to share in the first half of 2021.

- Gowtham R

China Claims Quantum Supremacy With Computer 10 Billion Times Faster Than Google's Prototype

"Google said last year it has built a computer that could perform a computation in 200 seconds that would take the fastest supercomputers 10,000 years." The researchers have built a quantum computer prototype that is able to detect up to 76 photons through Gaussian boson sampling, a standard simulation algorithm, the state-run Xinhua news agency said, citing research published in Science magazine. That's exponentially faster than existing supercomputers. While still in its infancy, quantum computing is seen to advance in physics, chemistry and other fields. Chinese researchers are competing against major US corporations from Alphabet's Google to Amazon and Microsoft for a lead in the technology, which has become yet another front in the US-China tech race.

- Sathika J



STUDENTS CORNER

THEDAL



Name : Aswin Sivakumar

Year : 3rd year ECE

Mr. Aswin Sivakumar, who was an upcoming entrepreneur, completed his school in his native Pollachi. He is from a formally middle class family. And during his school days, he was aimed at studying good and dreamt to be placed in a great company with a satisfied salary package. He discussed with many industrial friends he got up with. But after entering KCT, he got to know about namma cafe, a favourite place to satisfy our crazy mouth, the taste of all kinds still remembers. He has many inspirational persons like Dr. B. Soundhra rajan, Mr. Vijay Kapoor. These great men started from nothing as a base but with confidence now grown as a owner of many crores. His said that it was a great experience of a nama cafe interview with two rounds like personality test and simulation to run a cafe. Exposure is a great learning, team work was an essential thing learnt in the simulation round as he said.

In his point of view, the network is very crucial. As you have exposure with many of them in industry, it is highly beneficial for an entrepreneur. And his entertainment part is spending time out of college with friends. He said that he is not interested in develop his skill in a particular start up. He loves to explore more with multiple businesses. Also he would like to be starting an automobile showroom in future.

“ The true Entrepreneur is a doer ; not just a dreamer. ”

- Ellakkiya V

ECEயும் நானும்

மின்னணு சாதனங்கள் இல்லாத இடம் பாதகம்!
மின்னணுவியல் படிக்கும் எங்களுக்கு அதுதான் சாதகம்!
தகவல் தொடர்பும் எங்கள் துறையில் இணையும்!
அதன்மூலம் வந்ததுதான் இன்றைய உலகின் இணையம்!
எங்கள் துறையில் பாடங்கள் கொஞ்சம் கஷ்டம் தான்!
இருந்தும் எங்களுக்கு அதன்மேல் அலாதி இஷ்டம் தான்!
சுருங்கச் சொல்லி விளக்கம் தரவேண்டுமாயின்
நாங்கள் வெறும் இயந்திர புத்தகம் படிப்பவர்கள் அல்ல!
எங்கள் துறையின்மூலம் உலகாளும் வித்தகம் படிப்பவர்கள்!

- Priyadharshini S

DA Activities

Blog series - The nomadic turn out - Epi : 4

Day : Thursday

Date : December 3

Platform: Kct blog

Writer : Reithika R A

Write it out

Day : Saturday

Date : December 5

Platform: Instagram

Organizer: Shamita V

20 things in 2020

Day : Tuesday

Date : December 15

Platform: Instagram

Placement Talks

Day : Thursday Friday

Date : December 17,18

Platform: MS teams

Organizer - Charunivetha P

Blog series - The nomadic turn out - Epi : 5

Day : Thursday

Date : December 18

Platform: Kct blog

Writer : Rithani G K

UNNOTICED

- 1.Government plans launch of own app store as an alternative to Google, Apple.
- 2.Google Play Music service will be discontinued by 2020 end.
- 3.Apple Project Titan Said to Target Self-Driving Cars. Production by 2024 With 'Next Level' Battery Technology
- 4.Apple TV+ to be available on Google Chromecast next year
- 5.Libra, the digital currency announced by Facebook last year, is getting a new name. Libra will now be Diem.

- VijaiShree S



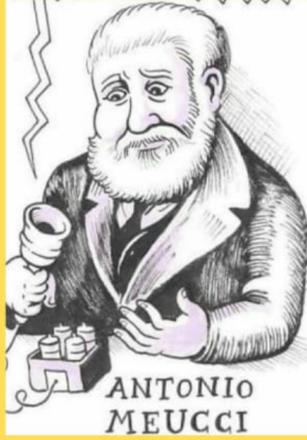
Real Creator

MYTH



Alexander Graham Bell is the inventor of the telephone.

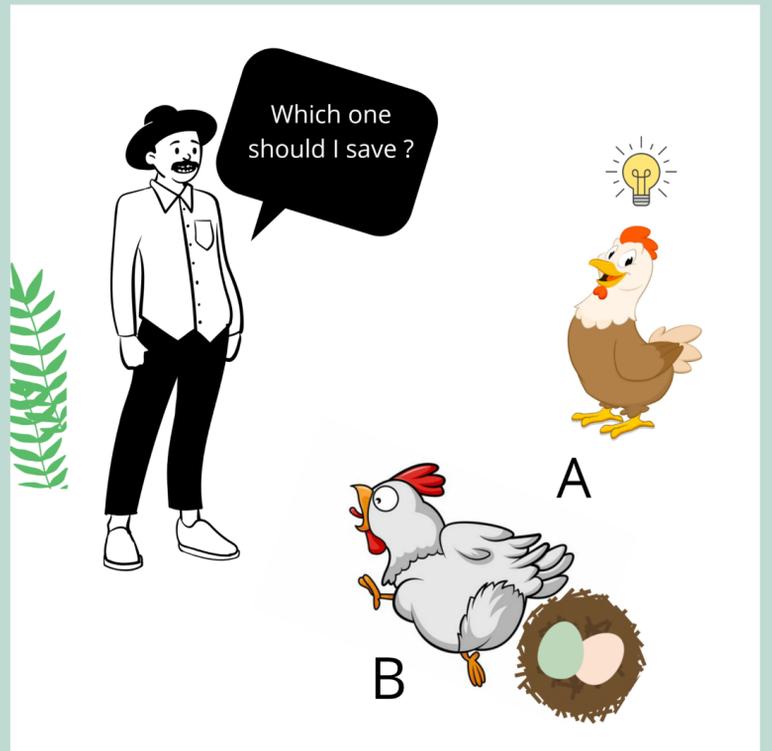
REALITY



Antonio Meucci developed a telephone but failed to get a patent.

- Harine M S

TALK WITH HEN



In December 2020, There was a lazy man who had nothing but 2 hens. He dint go to work and served his stomach with the money earned by selling the eggs. But one day, he was out of money and couldn't afford to eat. So he decided to kill one of his hens. But since he liked both the hens he was confused which one to kill. So he gave them a choice " I will give both of you a chance. Tell me a reason why I should keep you alive, and if I find it convincing I will leave you. The who doesn't give a good reason will be my dinner for today." Hen B started to panic and begged the man to leave her. Hen A said something to the man. After hearing that the man killed Hen B.

What did Hen A say to the man ?

The Hen A said : .-- .. -. . .-. / .-- .. -. . .-. /
 -. . .-. .-. .-. .-. / -. .-. .-. .-. .-

Decode and find how Hen A saved her life !

[Click here to answer](#)

- Shamita V

Facts



GLOW THE STAR ☆

Mr. Snow's Christmas tree is finally decorated. But he finds that his star is not glowing. But it's already time for santa to arrive and Mr.Snow doesn't know what to do and becomes sad. Help Mr.Snow to make the light glow by connecting the gates.

RULES:

1. Start from downwards.
2. Use binary numbers such that the final answer should be 1 (which means the star will be glowing)
3. The input configuration should be followed as given in the image.

Make Mr.Snow man happy ! And have a MERRY CHRISTMAS

[Click here to Answer](#)

- Shamita V



Women's World Cup 2022 Schedule Announced By ICC

The International Cricket Council (ICC) on Tuesday announced the schedule for the 2022 Women's World Cup in New Zealand with 31 matches to be played across 31 days from March 4 to April 3, 2022. Six cities in New Zealand will play host to the competition - Auckland, Tauranga, Hamilton, Wellington, Christchurch, and Dunedin. "We have all been through a very difficult year and are happy to be getting back at playing the game we all love, said if we manage to win the tournament in 2022, it will be a massive inspiration for the next generation of girls, as the fifty-over format, is considered the pinnacle for any cricketer. I can assure you the team and I are looking forward to it." Mithali Raj, India captain.

Sports Ministry formally recognises yoga Sana as competitive sport

The Sports Ministry on Thursday formally recognised yoga Sana competitive sport, which will enable the ancient practice to avail government funding. The move was made to encourage yoga, spread awareness about its benefits and to help improve people's physical and mental wellbeing. Yoga Sana has been a competitive sport for a long time. But it has to be recognised by the Government of India so that it becomes an official and recognised competitive sport.

- Swetha S V



16 Tips for Starting and Succeeding in Your Own Business

1. Know yourself, your true motivational level, the amount of money you can risk, and what you're willing to do to be successful.

Sure, we all want to make millions of dollars. But what are you willing to give up to reach that goal? How many hours a week will you work on an ongoing basis? How far out of your comfort zone are you willing to stretch? How far will your family stretch with you? To be successful, keep your business plans in line with your personal and family goals and resources.

2. Choose the right business for you.

The old formula - find a need and fill it - still works. It will always work. The key to success is finding needs that you can fill, that you want to fill, and that will produce enough income to build a profitable business.

3. Be sure there really is a market for what you want to sell.

One of the biggest mistakes startups make is to assume a lot of people will want to buy a particular product or service because the business owner likes the ideas or knows one or two people who want the product or service. To minimize your risk for loss, never assume there is a market. Research the idea. Talk to real potential prospects (who aren't family and friends) to find out if what you want to sell is something they'd be interested in buying, and if so, what they'd pay for the product or service.

4. Research your competitors.

No matter what type of business you are starting or running, you will have competitors. Even if there is no other business offering exactly what you plan to sell, there are very likely to be other products or services your target customers are using to satisfy their needs. To be successful, you need to research the competition and find out as much as possible about what they sell and how they sell it. Competitive research is something you should plan on doing on an ongoing basis, too.

to be continued...

- Moni Sree H

BEST WAY TO BECOME BILLIONAIRE

- INVESTMENT
- TECHNOLOGY
- REAL ESTATE
- FASHION AND RETAIL
- MEDIA
- FOOD AND BEVERAGES
- ENERGY
- HEALTHCARE
- SPORTS
- MANUFACTURING



MEME



EVENTS

1. International Conference on Recent Advances in Civil and Mechanical Engineering ICRCAM 2020, Sri Shakthi Institute of Engineering and Technology, International Conference, Coimbatore, Tamil Nadu, 30th - 31st December 2020

[Click here to know more](#)

2. A COURSE ON CYBER SAFETY and SECURITY FOR GIRLS & WOMEN 2021, Coimbatore Institute of Technology, Webinar, Coimbatore, Tamil Nadu, 2nd - 3rd January 2021

[Click here to know more](#)

3. Scopus-Indexed Springer 5th International Conference on Inventive Systems and Control (ICISC 2021), JCT College of Engineering and Technology, International Conference, Coimbatore, Tamil Nadu, 7th - 8th January 2021

[Click here to know more](#)

- Moni Sree H

JOB OPPORTUNITIES IN ECE

Wireless Communication:

- Electronics and Telecommunication Engineer
- Wireless Connectivity Systems Engineer
- Senior Embedded Software Engineer
- DEVELOPMENT ENGINEER Radio Subsystem
- Communications/Signal Processing Algorithm Engineer

Companies:

- Reliance, Airtel, Bsnl, Vodafone, Optical fibres, Birla companies

- Shyamala Devi V

GENERAL APTITUDE

1. Three persons start walking together and their steps measure 40cm, 42cm, 45cm respectively. What is the minimum distance each should walk so that each can cover the same distance in complete steps?

- a) 25m 20cm
- b) 22m 20cm
- c) 30m 25cm
- d) 25m 22cm

2. Find the least 3 digit number which when divided by 5,7,13 leaves same remainder 3 in each case?

- a) 400
- b) 456
- c) 458
- d) 480

3. Introducing a girl, a boy said, "She is the daughter of the son of the father of my uncle." How is the girl related to the boy?

- a) Daughter in law
- b) Sister
- c) Grandmother
- d) Daughter

4. An accurate clock shows 10 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon?

- a) 130 degree
- b) 150 degree
- c) 120 degree
- d) 140 degree

5. A fruit seller had some oranges. He sells 20% apples and still has 420 oranges. Originally, he had:

- a) 520 Oranges
- b) 523 Oranges
- c) 530 Oranges
- d) 525 Oranges

[Click here to answer](#)

- Dhitchana K R



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