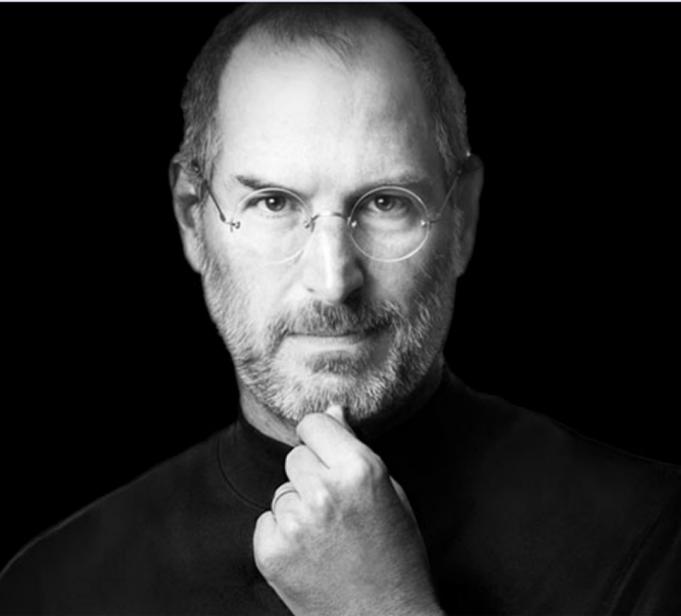


Motivational story



Steve Jobs

(1955-2011)

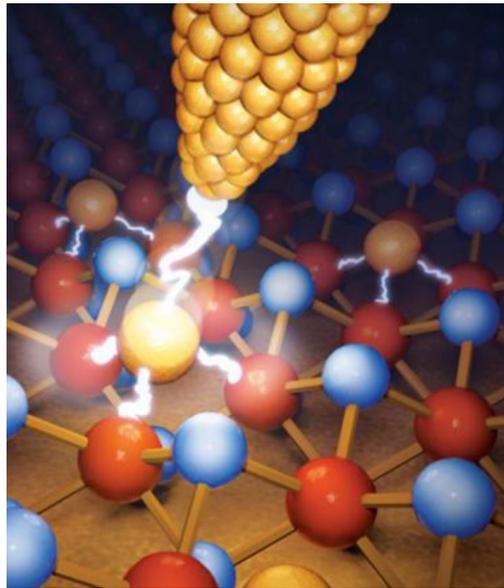
The name is so incredibly inspiring and intimidating at the same time. The man who created Apple. The man who turned black turtlenecks into a uniform of power. The man who changed technology forever. His legacy is one-of-a-kind. The tech titan's impact on the world remains unparalleled. He used to work with his mechanic father in the family garage, taking apart cars and putting them back together. This kick-started his love for machines. Although there is no evidence that he was dyslexic, Steve Jobs struggled in school. From his early days in elementary school, where he grew frustrated with formal schooling to college. Jobs did not like school because he didn't believe it had practical application in his life.

Every morning, he stood in front of the mirror and asked himself one question, "If today were the last day of my life, would I want to do what I am about to do?". If he answered "No" too many days in a row, he knew he had to change what he was doing and meeting fellow outcast Steve Wozniak was just the change he needed to start honing his vision. Their invention, the "Blue Box", allowed users to make long distance calls for free. Pranksters at heart, they tested out their invention by calling the Vatican with fake accents. This was followed up by the duo's first computer: "The Cream Soda Computer". Named after their favourite drink which led to the birth of the very first Apple Machine. It took over 3 years to release the First Apple Macintosh Computer. Steve was booted from his own company. Despite the shocking betrayal, Steve didn't give up.

Steve doubled down on his vision and spent the next 12 years of his life perfecting his ideas. With Steve gone, Apple struggled to make a profit while competing with Microsoft by Bill Gates. Seeing an opportunity, Steve made the painful decision to befriend the company that rejected him with his new ideas and proposed a deal. The following year, Steve unveiled the Apple iMac. A revolutionary in tech, Apple went on to dominate the industry with every product they released. Carrying 1000 songs in your pocket was practically unheard of before the Apple iPad. The iPhone ushered in a new age of mobile computing and redefined how we surfed the web. Making Apple the world's first Trillion dollar company.

- Harshita R

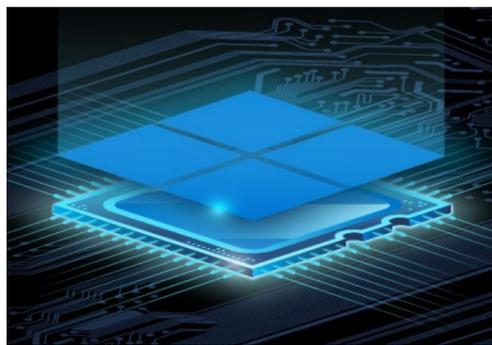
World's Smallest, fastest and advance Atom-Memory Unit



Researchers have created the smallest memory device, an advance that may lead to faster, smaller, and more energy-efficient electronic chips for consumer electronics and brain-inspired computing. Smaller processors enable manufacturers to make more compact computers and phones, the new device falls under the category of memristors, an area of memory research. The memristor promises a capacity of about 25 terabits per square centimeter, which is about 100 times higher memory density per layer compared with commercially available flash memory devices.

- Gowtham R

Microsoft introduces new high-security Pluton chip for future Windows PCs



Microsoft has unveiled a new security chip called Pluton that has been designed to protect the future Windows PCs. The Pluton security processor will provide next-generation hardware security protection to Windows PCs through future chips from AMD, Intel and Qualcomm. Microsoft Pluton is built directly into future CPUs and

will replace the existing Trusted Platform Module (TPM), a chip used to secure hardware and cryptographic keys. This revolutionary security processor design will make it significantly more difficult for attackers to hide beneath the operating system, and improve our ability to guard against physical attacks, prevent the theft of credential and encryption keys, and provide the ability to recover from software bugs.

The Pluton design removes the potential for that communication channel to be attacked by building security directly into the CPU. Windows devices with Pluton will use the Pluton security processor to protect credentials, user identities, encryption keys, and personal data. None of this information can be removed from Pluton even if an attacker has installed malware or has complete physical possession of the PC.

- Gowtham R

FAU-G Shooter Goes Live on Google Play



FAU-G mobile game has finally appeared on the Google Play store. It seems like the developers are restricting themselves to Android, for now, to launch the new mobile game, as pre-registrations have not appeared on Apple's App store yet. The listing also details the storyline a bit more than its teaser had revealed. FAU-G, anticipated to take on PUBG Mobile India, was announced just two days after PUBG was banned along with 117 other of the armed forces. But more than an Indian alternative to PUBG, FAU-G is being heavily promoted as a patriotic game.

- Sathika J

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.



The Apple M1 is the first ARM based chipset for Macs with iGPU

Apple's first Mac chipset is now a reality – meet the Apple M1. The company claimed many superlatives including the world's fastest CPU core, fastest integrated GPU and massive gains in energy efficiency. The M1 is a massive 5nm chip with a whopping 16 billion transistors. The CPU is composed of four big and four little cores. Working together, they are twice as fast as the “latest PC laptop chip” when limited to 10W TDP and if there's sufficient cooling, they can go even faster. The GPU is an octa-core design too, totalling 128 execution units. This is the fastest integrated GPU. The M1's 16-core Neural Engine will run machine learning algorithms at 11 TOPS. There are also advanced media encode/decode engines on board as well as an image signal processor. Apple's secure enclave is embedded in the chipset as well, so no need for the separate T2 chips.

- Prasanth A

Volvo uses gaming technology to make safer cars

Swedish luxury carmaker Volvo Cars has showcased its groundbreaking mixed-reality simulator that is used to make new strides in safety and autonomous driving technology. The solution uses a setup with a moving driving seat, a steering wheel with haptic feedback and a crystal-clear virtual reality headset. It combines life-like, high definition 3D graphics, an augmented reality headset, and a full-body Teslasuit that provides haptic feedback from a virtual world, while also monitoring bodily reactions. The combination of software and hardware allows Volvo Cars engineers to endlessly simulate traffic scenarios on a real test track road while using a real car, all in total safety. Testing these systems in reality can be dangerous, time-consuming and expensive.

- Dharshini G



Microsoft now lets you run multiple Android apps in Windows 10

Microsoft has announced that Windows 10 customers with devices running the latest Insider build can launch and interact with multiple Android apps directly on their computer's desktops. Users can experience the power and convenience of running multiple Android mobile apps side by side on their Windows 10 PC on supported Samsung devices. The Apps will launch in separate windows enabling the users to interact with multiple apps at the same time even if the “Your Phone app” is not open. The multi-apps “Your Phone” feature has started to roll out in November 2020 to all supported Samsung Galaxy phones (Note20 5G, Note20 Ultra 5G, Z Fold2 5G, Z Flip, Z Flip 5G) with Link to Windows (LTW) integration running Android 10. Running multiple Android apps side by side is available in the latest version of the “Your Phone app” on any computer running Windows 10 Insider Preview Build 20257. Even though the multi-apps feature should work with most mobile Android apps, Microsoft warns that some apps may not allow their content to be displayed on other device's screens.

- Prasanth A

India's Param Siddhi bags 63rd rank in list of most powerful supercomputers in world

Param Siddhi, the supercomputer established under the National Supercomputing Mission (NSM), has achieved 63rd rank in the list of 500 most powerful supercomputers in the world. The supercomputer with Rpeak of 5.267 Petaflops and 4.6 Petaflops Rmax (Sustained) was conceived by C-DAC and developed jointly with support of DST and the Ministry of Electronics and Information Technology (MeitY) under the NSM. With the infusion of Param Siddhi-AI, the scientific and technology community in the country will further be enabled and empowered to solve multidisciplinary grand challenges of healthcare, agriculture, education, energy, cyber security, space, AI applications, weather and climate modelling and urban planning. Param Siddhi Supercomputer is built on the NVIDIA DGX Super POD reference architecture networking along with C-DAC's indigenously developed HPC-AI engine, software frameworks and cloud platform and will help deep learning, visual computing, virtual reality, accelerated computing, as well as graphics virtualisation.

- Gowtham R



Google Maps gets new Covid related features

Google announced to have included 250 latest features and improvements to its Maps app since the coronavirus pandemic began. Now the company has included more coronavirus-related features as more people are willing to venture out for the holiday season. For Android and iOS users, Google has added the Covid layers on Maps with additional information which will show all-time detected cases in an area, and quick links to Covid resources from local officials. Google Maps will also give information on live crowdedness for local travel. It means users will be able to get an idea of how crowded their transport i.e. bus, train or subway line is on the app based on the information fed by other users.

- Sri Suvetha C S



Jio Partners With Google to Develop Android-based Operating System Smart phones

At the Annual General Meet (AGM) earlier this year Mukesh Ambani announced the collaboration with Google to launch a new Android smartphone at an affordable price. Google and Jio are soon expected to launch its affordable low-range 4G and 5G phones for consumers in India. The phone might be named as 'Reliance Orbic RC545L' and may come packed with Android 10 OS out-of-the-box paired with Qualcomm Snapdragon QM 215 SoC chipset, which is also found on Android Go smartphones. The report hints that these phones may feature various optimizations from the Android operating system and Play Store. Other highlights of these phones will include cheap data packs and start at just Rs 4,000 (\$54). For now, these Jio – Google phones may see the light of the day only by the end of 2020 by early 2021.

- Prasanth A



THEDAL



NAME : MIRUTHULA N

YEAR : 4th Year ECE

A national-level Basketball player who has won four GOLD MEDALS representing Tamil Nadu. She started her career in her 7th standard as an athlete, she used to participate in 200 meters race, long jump and triple jump. Once in her school, they called her for an inter-house basketball match. During that match, she gained more confidence in playing Basketball and so she started her sports career as a basketball player. Miruthula's inspiration is Michael Jordan who is an NBA basketball player. She said since basketball is a team game after losing some matches, they used to find the reason for the failure and they encouraged themselves as a team.

Other than basketball she loves to swim. She also said that to start our career as a sports person the toughest thing is finding a sport in which we are interested in. Miruthula said that the benefits of being a sportsperson is we'll get more confidence both mentally and physically and when we play, we get some relaxation. All the Best Miruthula for your colourful carrier..

" Sportsmanship cannot be taught, it can be inculcated in one's persona through only one thing, called 'SPORTS' ”.

- Akshaya C V

ECEயும் நானும்

ECEயும் நானும்
Breadboard-ல் கொடுக்கும் **Connections**
தவறாய் போனால் வேற **Hole**-ல்
Connect செய்து **Circuit**-ஐ
சரிசெய்வது போன்று
செல்லும் வழியில் தவறைக் கண்டால்
வேறு வழிகள் கண்டு
இலக்கை அடைய வேண்டும்
என்று அறிந்தேன்!
நான் படிப்பது **ECE** அல்ல;
வாழ்க்கை என்பதை உணர்ந்தபொழுது!

- Priyadharshini S

DA Activities

Blog series - The nomadic turn out

Date : November 5

Day : Friday

Platform: KCT blog

Writer : Shamita V

Blog series - The thirst and rise of Technology

Date : November 18

Day : Wednesday

Platform: Kct blog

Writer : Yazhini K

THEDAL Episode 2

Date : November 23

Day : Monday

Platform: Instagram IGTV

Organizer - Monisree H

Video Credits : Naveen R S

Blog series - The Loop holes and new inventories waiting to come alive

Date : November 27

Day : Friday

Platform: Kct blog

Writer : Rithani G K

ARDUINOPHILLA

Date : November 28,29

Day : Saturday, Sunday

Platform: MS teams

Organizers - Prarthana, naresh

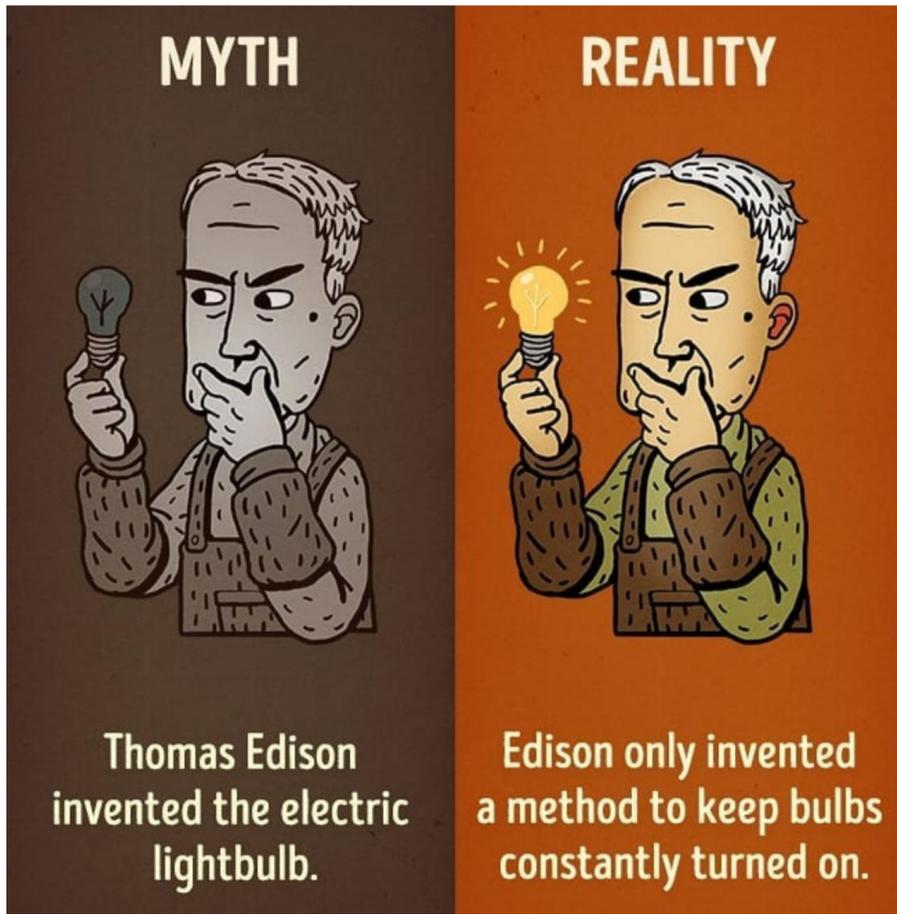
ECE Times

Date : December 2

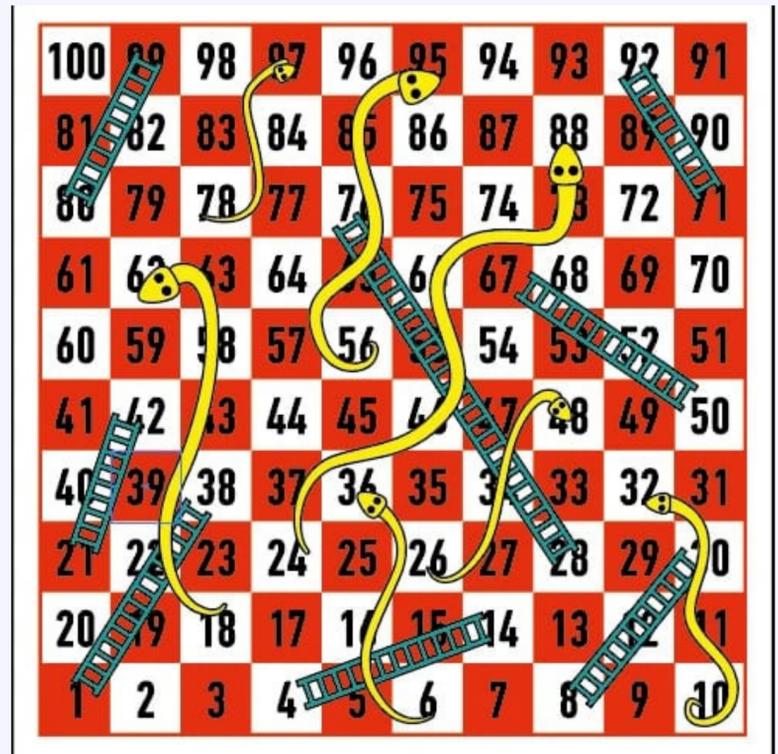
Day : Wednesday

Organizers - Prasanth A, Moni Sree H

Real Creator

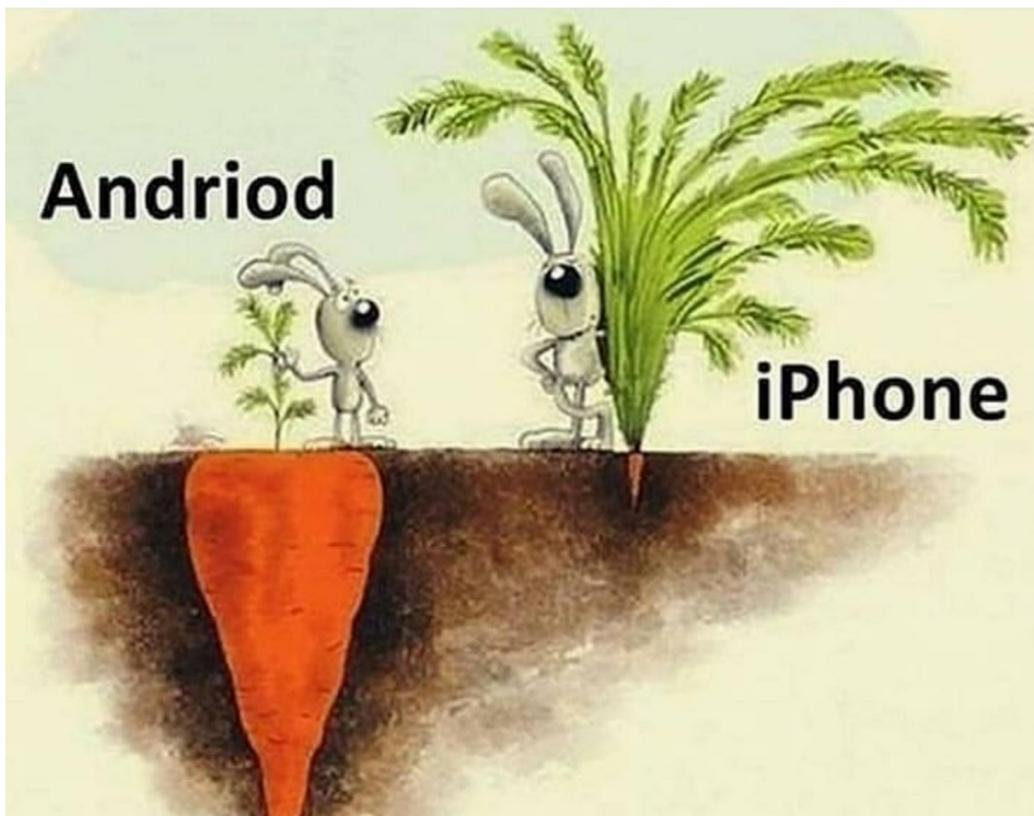


SNAKE AND LADDERS



PLAY WITH NUMBERS IN THE SNAKE AND LADDERS!

Facts



- Priyadharshini S

Find the number from the Binary digits given, and arrange them in a particular order and guess what you will reach the end !!! Learning and nostalgia combined will always be fun ! Let's get started !!!

RULES :

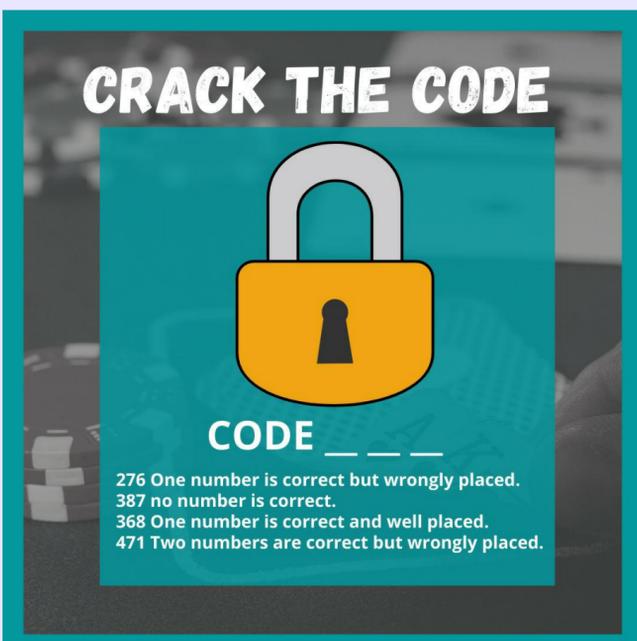
1. Only the given numbers should be used.
2. Don't use the same number twice.
3. It is not necessary to use all the 7 numbers.

The steps can be minimized with the given numbers but shouldn't be maximized beyond the given 7 numbers.

[1100,01010110,0001,1000,1010,0100]

[Click here to answer](#)

- Shamita V



JUMBLED WORDS

Use the given clues to crack the code. Unlock and find the treasure.

- 276 one number is correct but wrongly placed.
- 387 no number is correct.
- 368 one number is correct and well placed.
- 471 two number are correct but wrongly placed.

[Click here to Answer](#)

- Amrisha R R

BCCI announces MPL Sports as official Kit sponsor for Team India

The BCCI on Tuesday formally announced MPL Sports apparel and accessories as the official kit sponsor and merchandise partner of both the national men's and women's sides as well as the U-19. MPL Sports, the sports merchandise brand from Mobile Premier League an e- sports platform offers a wide range of sportswear and cricket equipment, along with other accessories such as masks, wrist bands, footwear and headgear. The senior men and women and the Under-19 teams are also a part of the deal for the new kits. Apart from Team India jerseys, MPL Sports will also sell licensed Team India merchandise. "We hope to partner closely with the BCCI and take all kinds of Team India merchandise to the masses with offline as well as online distribution at affordable prices.

Google's Project Guideline Helps Visually Impaired Run, Play Sports

Google Inc. is developing a technology that could help blind people run and play outdoor sports with safety. Called 'Guideline', the project involves assisting the visually impaired people using the camera on their smartphones. The project, which is undertaken in collaboration with American guide dog training school, is currently in its test phase.

- Swetha S V



5 Reasons to Start Your Own Company As a Student

3. You can build a network

One of the hardest parts of creating a successful business is making contacts and building a network. But, as a student, you'll have a ready-made network at your fingertips. Your professors, advisers, classmates, and even your parents can lend their expertise and guidance. If you base your business around your studies, you'll leave university with a well-established network of contacts in your field. Even if your company doesn't directly involve your studies, good networking skills will certainly impress future employers. It might also help land you a job in the first place. Who knows, the architecture firm that orders sandwiches from you every Thursday might be looking for someone with just your initiative come graduation. Or the mother of your piano student could be a senior executive at that big firm you're ho3. You can build networking to join.

4. Failing is okay

Starting a business often requires a great deal of personal investment – both of time and money – but if you launch your start-up during your studies you minimize the risks involved. We've already mentioned how a student's lack of 'grown-up' responsibilities makes it easier to take the start-up leap, but fewer responsibilities mean it's actually okay to fail. And try again. And fail again. It's all part of the learning

process, and at the very least a failed start-up is a great talking point during interviews.

5. If you're successful, you won't need to look for a job!

if you don't fail, the possibilities are endless. A successful student business doesn't have to end when your studies do. Many students who have started companies while studying report that they intend to continue those businesses after graduation.

to be continued...

- Prasanth J

THINGS TO KNOW BEFORE STARTING A BUSINESS



UNDERSTAND THE NEED



CHOOSE THE BEST BUSINESS FOR YOU



TRY TO SAVE IN EARLY



LEARN TO MANAGE DEBT BETTER OR STAY OUT OF IT

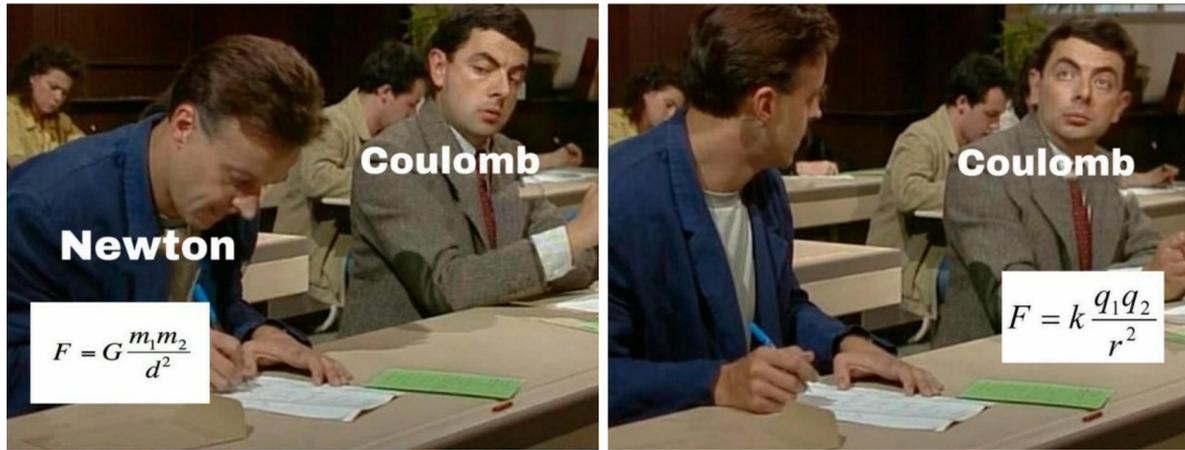


KEEP GOOD MANAGEMENT SYSTEM



ONLINE PRESENCE OF YOUR BUSINESS

MEME



- Priyadharshini S

EVENTS

1. Two Day Online Workshop on 3D Printing and Topology Optimization 2020, PSG Institute of Technology and Applied Research, Workshop, Coimbatore, Tamil Nadu, 4th - 5th December 2020.

[Click here to know more](#)

2. Second International Conference on Advances and Developments in Electrical and Electronics Engineering 2020, Karpagam College of Engineering, International Conference, Coimbatore, Tamil Nadu, 10th - 11th December 2020

[Click here to know more](#)

3. All the geek heads and computer programmers, Hackathons in Coimbatore is where you got to be. The Hackathon events in Coimbatore are for all the creators, developers and entrepreneurs who are in search of a platform where they can develop or learn a thing to develop their skills.

[Click here to know more](#)

- Abishek M

JOB OPPORTUNITIES IN ECE

Control systems:

- Controls Engineer
- Engineering Manager
- Project Engineer
- Electrical Engineer
- Maintenance Manager
- Proto Instrumentation Technician
- Instrumentation Control System Engineer
- Principle Designer

Companies:

- intech system, powertek control

- Shyamala Devi V

GENERAL APTITUDE

1. The sum of ages of 6 children born at the intervals of 3 years each is 60 years. What is the age of the 5th child?

- a) 5 years
- b) 6 years
- c) 10 years
- d) None of the above

2. It was Sunday on Jan 1, 2006. What was the day of the week Jan 1, 2010?

- a) Monday
- b) Friday
- c) Sunday
- d) Tuesday

3. A sum of money is to be distributed among A, B, C, D in the proportion of 7 : 5 : 3 : 1. If C gets Rs. 1000 more than D, what is B's share?

- a) 3750
- b) 3500
- c) 3570
- d) None of these

4. A clock is set right at 5 a.m. The clock loses 16 minutes in 24 hours. What will be the true time when the clock indicates 10 p.m. on 4th day?

- a) 11 pm
- b) 10 am
- c) 11 am
- d) 10 pm

5. In the first 10 overs of a cricket game, the run rate was only 3.4. What should be the run rate in the remaining 40 overs to reach the target of 292 runs?

- a) 6
- b) 6.25
- c) 6.45
- d) 6.85

[Click here to answer](#)

- Akshaya C V



EDITORS IN CHIEF:

Moni Sree H
Prasanth A