

“Power is gained by sharing knowledge and not hoarding it”



EMERGING THOUGHTS

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**SURESH & CO.**

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Chartered Accountants

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## Foreword

We, at SURESH & CO. are indeed ecstatic to release the series “EMERGING THOUGHTS”. This publication is a consolidated treasury of constructive thoughts and amusing updates of articulated assistants (Interns undergoing Chartered Accountancy course) who will be emerging as Chartered Accountants in near future and employees.

Man is a social animal. In order to live peacefully & comfortably in society, he needs to remain updated about what all is going on across the globe while sitting at the corner of his house. This concept of daily updates which services to the whole organization every morning inculcates knowledge, confidence about the subject and invokes one’s interest deeper into the topics by giving them an insight about the happenings in this divergent world.

The response we receive from the readers are always overwhelming and this eternal ritual has been an amazing journey reaching milestones as the learning opportunities have always illuminated our path with the essence of knowledge.

At SURESH & CO., every individual is empowered to be bold in the name of innovation and wisdom and are encouraged to think beyond their capabilities. This not only helps them to purify their thoughts, enriches their vision but also gives them an opportunity to reconnaissance various things that are beyond their study domain.

We at SURESH & CO., wanted to share these gems of infant thoughts as conceived by these young minds. It is to be noted that these updates may or may not have been reviewed by any senior or a technical expert and thus these should be used only to kindle thoughts in certain positive direction. Readers are advised to do further research and analysis on the topics which they find interesting.

**“An investment in knowledge pays the best interest.”**

**“The only person who is educated is the one who has learned how to learn and change.”**

## Update for the day #1111 | Nine World Records to break while you are stuck at home!

All of us, at some point in our lives, have wanted to be a record breaker. Ever since Roy Castle picked up his trumpet and played that theme tune, it's been drilled into us that dedication is all you need to succeed at anything. Shortlist is here to help you find your inner record breaker and to stop you climbing the walls at home. We've dug deep into the Guinness Book of Records archives and picked out some brilliant records you can try and break while in self isolation.

Now, unfortunately we can't be there, like Norris McWhirter, with a stopwatch and whistle but that doesn't mean that we want any cheating - we've all got Zoom in our homes now, so there will always be someone watching. Enjoy, good luck and, obviously, only try these at home - no going out of the house and interacting with other people.

### **Most Socks Put on One Foot In 30 Seconds**

Can you put 28 socks on one foot in just 30 seconds? You can! Wow, well then do 29 and you will be a record breaker. Pavol Durdik from Slovakia currently holds the record for this, with the only rule being that you have to put them on one at a time. That's right, there are no rules for them being clean so you can raid your laundry basket for this one.

### **Fastest Time to Arrange the Alphabet from a Can of Alphabet Spaghetti**

Cody Jones is the current alphabet spaghetti champion - which is a brilliant record to hold. The record to beat is a cool 3 minutes 21 seconds to find all of the letters of the alphabet in a can of alphabet spaghetti. That sounds like a lot of time but, trust us, you'll be turning the air blue trying to find the elusive V.

### **Most Smarties Eaten in 60 Seconds Blindfolded Using Chopsticks**

You can use Smarties or M&Ms, we're not fussy with this one, but we actually reckon that this one is easy to beat. Eating 20 Smarties in one minute is simple... What's that? You need to use a blindfold and chopstick? Well, that changes things somewhat. You also can only pick up one Smartie or M&M at a time.

### **Fastest Time to Assemble Mr. Potato Head**

If you have a Mr Potato Head lying around (everyone should, to be honest) then you can try and break the record of the fastest time ever to assemble him. The rule is very Radiohead, in that everything must be in the right place. To win the record, you'll have to beat Samet Durmaz from Turkey who managed it in an unbelievable 6.62 seconds.

### **Fastest Time to Eat A 12-Inch Pizza Using a Knife and Fork**

If you normally eat a pizza with a fork then we officially aren't friends. But we will let you off if you attempt to break this record. Kelvin Medina from the Philippines is the current record holder, he managed to eat 12 inches of pizza, with a fork, in a mere 23.62 seconds. That's pretty

damn fast. The rule is that you have to have swallowed it as well.

### **Most Football Touches In 30 Seconds**

If keepyuppy in the garden is keeping you sane right now, then this is the record attempt for you. In 30 seconds, you need to do 252 football touches if you're male, 163 if you're female. These are the totals made by Parker Kuklinski, from the USA, and Chloe Hegland from Canada, respectively. The one rule is that the ball must be kept in the air.

### **Most Clothes Pegs Clipped to The Face In 60 Seconds**

Don't blame us if this leaves your face rawer than your scrubbed hands after doing this one. We are just putting it out there that if you did manage to clip 52 clothes pegs on your face then you would beat Silvio Sabba's current world record of 51. This record has stood for eight years now. Surely, it's time for us all to get our pegs out and try and break it?

### **Most Push Ups with Claps In 60 Seconds (Male)**

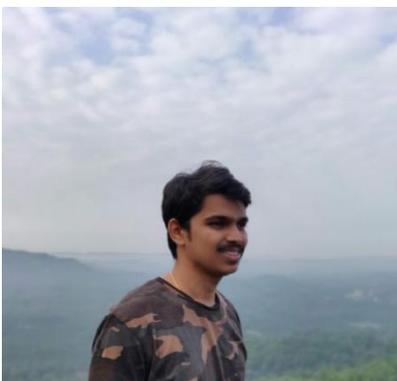
This record is currently held by a Brit. Stephen Buttler from the UK has managed a whopping 90 push-ups with hand claps in one minute. 90. That's a phenomenal achievement. We can only assume that he has the upper body strength of a three-year-old when you try and take cake out of their hands. Impressive stuff but we're sure you can beat it.

### **Most T-Shirts Put on in 60 Seconds**

If you feel the cold, you have probably managed to complete this record without even knowing it. But, if you want to do it officially, then you have beat Ted Hastings' record of wearing 260 at once. You can use any size, short or long-sleeved, t-shirts for this one - and you can get a friend to help pull them down. But only one at a time please (t-shirts, not friends).

For more record-breaking ideas, head to the Official Guinness Book of Records site where it has a page dedicated to World Records you can do at home. It also has also started a new weekly record challenge running from Friday to Friday each week.

By **Radhavallabha P.**



## Update for the day #1112 | How to stop worrying and start living – Dale Carnegie.

Worry is the biggest invisible force to which man has been enslaved to. When we look into the meaning of the worry, the dictionary says it is a “feel or cause to feel anxious or troubled about actual or potential problems”. Worry refers to the thoughts, images, emotions, and actions of a negative nature in a repetitive, uncontrollable manner that results from a proactive cognitive risk analysis made to avoid or solve anticipated potential threats and their potential consequences.

Worry can cause serious negative impacts such as mental breakdown, teeth decay, high blood pressure and digestive issues. Overall worry doesn't remove your difficulties; however, it does remove your peace. This is the primary message of the book.

If you are looking to get rid of your worries then this is the book for you. It helps by giving essential strategies to dissect stress, step-by-step

The author Dale Carnegie begins logically by looking through the causes behind people's worry and taking a contextual investigation.

In the book, Carnegie quotes: “I can honestly say that I am glad that I had the breakdown. Because I found out the hard way what power our thoughts can have over our mind and our body.”

In this quote Carnegie, wants the reader to know that you can make your thoughts work for you not against you. It is not an outward situation that has caused your suffering but what you allow your thoughts to be of the situation.

“Nothing can bring you peace but yourself.”

Another quote in the book is from William James: “We cannot instantly change our emotions just by making up our minds too. But that can change our actions and when we change our actions, we will automatically change our feelings.” Carnegie mentioned one programme called “Let's fight for our happiness!” It is one daily programme of cheerful and constructive thinking which is entitled “Just for Today”.

To eliminate your worries and embrace what the French call “la joie de vivre” (joy of living). Here are some useful tips below:

Just for today, I will try to live through this day and not to tackle all my life problems at once: You can do things for twelve hours that would appall you if you had to keep them up for a lifetime.

Just for today, I have a programme: You will write down what you expect to do every hour.

Just for today, I will have a quiet half-hour all by myself and relax: You can do meditation to reflect upon yourself.

Just for today, I will be unafraid: You will not be afraid to be happy, yet to enjoy what is beautiful.

Think and act cheerfully, and you will feel cheerful.

Kindly read this book to get more insights on how to conquer worry and to live a joyful life.

By **Mithun.H.S**



## Update for the day #1113 | Dudhsagar Falls- Sea of Milk

The majestic cascade of white water, gushing over the steep, nearly vertical face of the mountain from a spectacular height of 1017ft; is both breath taking and awe inspiring, making one aware that there are many forces in nature much more powerful than the human mind and body.



The name 'Dudhsagar' literally translates to 'sea of milk' which many believe is an allusion to the white spray and foam that the great waterfall creates as it cascades into the waters of the lake. The falls are at their zenith during the monsoon season, although they are a popular attraction all year round.

### Location

This waterfall is located in the Sanguem Taluka of Goa, and falls into the jurisdiction of the Goa Forest departments since it is a part of the Bhagwan Mahavir Wildlife Sanctuary. One can go by road or rail to Kulem railway station and then trek to the waterfall or hire a jeep with a driver to get closer in; however, there will still be a walk to reach the base of the falls.

### Myth and Legend

There is an old legend that centres round the name of the falls. The tale goes that there was once a princess who was the daughter of the King of the Ghats. This young lady was as modest as she was beautiful and believed in purity of heart, mind and body. The legend goes on that she used to bathe in the lake near her father's castle every day.

After her bath she and her handmaidens would congregate on the shores of the lake whilst the princess consumed a jug of milk. The jug, it is said was wrought of pure gold and inlaid with sparkling diamonds.

One day, as the princess was drinking her milk, a young and handsome prince was making his way through the nearby woods. On hearing the laughter and chatter of the ladies, he stopped to

have a look. The princess was much abashed by her scanty bathing attire and her handmaidens poured the milk in a cascade in front of her, thus creating a curtain behind which she could don her clothes.

This cascade of milk, which preserved the modesty of the princess, is the namesake of the Dudhsagar falls.

### **Geographic Description**

The river Mandovi, which is the main river of Goa, begins on the Deccan plateau in the state of Karnataka. Winding its way through the Western Ghats, this river plummets over the highest peaks on the border of Goa and Karnataka, thus forming the Dudhsagar falls. The waters form a deep green pool at the base of the falls, before continuing westward to join the Arabian Sea.

The Dudhsagar waterfall measures an impressive 310m (1017ft) in height and about 100ft in width. The waterfall splits into three streams as it pours over the near-vertical cliff face, thus forming a truly magnificent sight. This water fall is also known as Tambdi Surla to some of the local peoples.

The area around the falls is forested and falls into the Bhagwan Mahavir Wildlife sanctuary. There are a number of animals and birds that call this place home; and the keen observer may even be lucky enough to spot some. The roads to the falls are maintained by the Goa Forest Department, who charge visitors a nominal fee for entry and higher one for photography (Rs. 300 for a still camera and upto Rs. 5000\* for professional equipment).

### **Reaching the falls**

To reach this wondrous site, one must either go on foot or by rail. There is also a rather bumpy track that is suitable only for four-wheel drive vehicles, but this track still requires visitors to trek about 1km to reach the base of the falls. There are jeeps available for hire which cost about Rs. 1200\* and can carry 6 people at a time, the driver then waits at the drop off point for an hour and a half before bringing the visitors back.

The most adventurous trek starts from the village of Kuveshi. However, this trek is not available during the monsoon season as the trail crosses over the Mandovi itself, which is too rough and swollen during the monsoon months.

There is also a trek that begins at the Kulhem/Collem railway station which is 11km long and offers tourists a picturesque view of the Ghats and valleys.

One of the preferred tourist treks is the one that begins at Castle Rock station in Karnataka. This trek spans about 14km of rough terrain and one should go prepared. There are also no places around the falls where food or water is available, making it advisable for visitors to carry their own.

From September to May, the tours often suggest making the trip an all-day affair with a picnic lunch surrounded by the natural beauty of the falls. There are even some tours which offer a one-night stay at the base of the falls, camping in the open in tents.

During the monsoon season treks are the only way to access the waterfall since they are burgeoning with run off from the hills and can make the passage of a vehicle near impassable. Although reaching the falls in the monsoon season is difficult the sheer majesty and splendour of this natural wonder makes it worthwhile.

By **Pratham Sakaria V**



## Update for the day #1114 | Walk around the Monuments printed on Indian Currency

The scenic beauty of India is truly incomparable. It is a country where every religion, culture and tradition is welcomed and treated with respect amongst its citizens. You can see a diversity in the monuments of India. Even on the Indian currency, some stunning monuments are printed on the reverse side of the banknote. In recent years, banknotes have been changed on the instructions of Indian Government and we totally love these new colorful series of currency that India has right now. Below are the monuments which you can see on the latest banknotes issued by the Reserve Bank of India.

### Sun Temple



Sun Temple in Konark is a magnificent temple standing on the land of Orissa. This temple is built in the shape of chariot and dedicated to the Lord Sun. Hindu religion is the only religion in the world that embraces Mother Nature and worships them every day. Sun temple is an apt example of this Hindu tradition. There are 24 wheels depicting 24 hours of the day and 7 horses depicting days of the week. In the year 1984, Sun Temple was declared as a World Heritage Site of India by UNESCO. Sun Temple of Konark is printed as the motif on Indian Currency of Rs. 10 bank notes.

### Ellora Caves



Ellora Caves is a series of 34 rock-cut caves which is home to Hindu, Buddhist and Jain temples carved during 6th to 8th Century. Most remarkable cave temple of Ellora is Kailasa which is dedicated to the mountain range of Kailash of Himalayas. The most fascinating fact about Ellora Caves is that Kailasa temple inside these caves was carved with a single stone. It was not built but cut and carved from the Charanandri Hills rocks. Every year thousands of wanderers visit Ellora caves and get zoned out in these beautifully carved caves. In the year 1983, Ellora Caves were declared as World Heritage Site by UNESCO and you can see these enthralling caves printed on the reverse side of Rs. 20 banknotes.

### Hampi



Hampi Temple is printed on the reverse side of Rs. 50 of Indian currency. Located in Karnataka, Hampi town is home to around 250 ancient monuments and temples. This place is a perfect destination to have a peaceful time in India. In 1500 AD, Hampi was the capital City of the Vijayanagar Empire and is said to be the second-largest city of the world at that time. With the passage of time, Hampi lost its importance as the capital and now the tourists can witness the ruins of Hampi which have around 500 monuments and temples. Hampi was declared as World Heritage Sites in India by UNESCO in the year of 1986.

### Sanchi Stupa



Sanchi Stupa is located in the state of Madhya Pradesh and its picturesque beauty is eye-catching. There is a fascinating story behind the construction of Sanchi Stupa. Emperor Ashoka fought the battle of Kalinga in 262 B.C. After witnessing the bloodshed in the war, he decided to embrace Buddhism and spread peace in the world. Sanchi Stupa was built on his orders and over the relics of Buddha. It is one of the oldest stone structures in India. In the year 1989, Sanchi

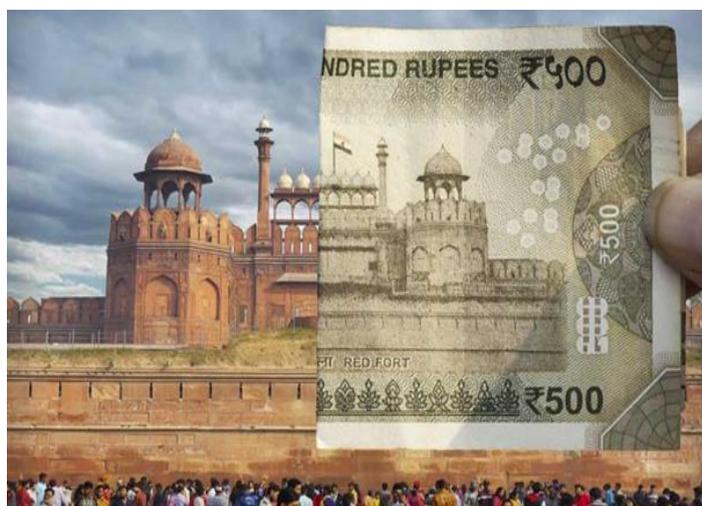
Stupa was declared as World Heritage Site by UNESCO. For all these reasons, we see Sanchi Stupa as the motif on Indian currency. It is printed on the reverse side of Rs. 200 banknote.

### Rani ki Vav



Rani Ki Vav is one of the off-beat locations in India to travel and explore the rich culture of India dated back to the 11th century. It is located in the Patan town of Gujarat and was declared as World Heritage site in India in the year 2014. It is a stepwell which was built by queen Udayamati as a memorial to her husband. After being flooded by river Saraswati, this site was silted for years and later it was found by Archaeological Survey of India in the 1980s. You can see the picture of Rani ki Vav as the motif on Indian currency of Rs. 100 banknote. Rani ki Vav is one of the cultural places in India which is visited by tons of culture vultures.

### Red Fort



Red Fort is located in the national capital – Delhi. It was built in the year 1639 by the Mughal Emperor Shah Jahan who was the fifth ruler of the Mughal dynasty. Ever since India got independence, every year Prime Minister of India hoists flag and address the nation on Independence Day from Red Fort. You can easily reach out to this place through Delhi Metro.

The nearest metro station to Red Fort is Chandini Chowk from where you can take a rickshaw to reach the fort. Being a World Heritage Site of India and historically so significant, the Government of India has decided to keep it as the motif on the Indian currency of Rs. 500 banknote.

By **Sanmathi**



## Update for the day #1115 | The art form that originated in Aryan times, familiar even today

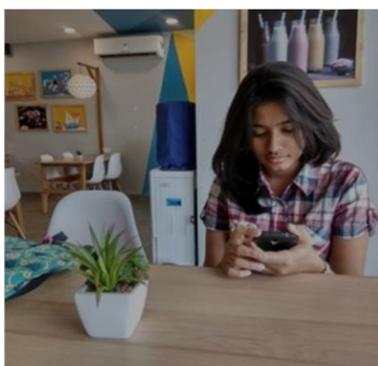
On trip to south India, you are most likely to halt on your tracks at the threshold of south Indian home that proudly showcases an immaculately drawn kolam . Possibly having originated over 5000 years ago during pre-Aryan times, Kolam is south India's unique take on rangoli.

For devout South Indian's the art of drawing kolams outside their homes is an everyday affair. The threshold is meticulously cleaned before the home -owner squats at the threshold, carefully spinning magic with the most basic ingredients! Sometimes, natural substances like cow-dung are used to - clean the place.

Kolams are typically of two types: pulli kolam(Dotted kolam), maa kolam( prepared using a paste. The dotted kolam entails rows, and columns of logically aligned dots, which are when connected by lines and curves. Prepared using rice flour paste, maa kolam is a more elaborately designed Kolam usually drawn during special occasions. While ostensibly drawn to welcome guests and as an auspicious symbol, a kolam as a deeper physical, mental, emotional, and social significance, the person drawing kolam typically squats on the floor, which enhances their posture and flexibility. It consists of intricate geometrical patterns which significantly improves one's concentration power and arithmetic skills. Metaphorically, the act of bending down signifies humility. The various motifs in a kolam- including animals, flowers, shapes, levels, stars etc.- represent finding beauty in the simplest of nature occurrences. Finally, a kolam outside one's home is a tradition of welcoming guests and creating a hospitable environment.



By **Harshitha B C**



## Update for the day #1116 | How Jaipur-based Gram Power is using smart grid technology to help utilities reduce losses.



Power loss is a major concern for the power sector in India. According to the Economic Survey for 2020-21, transmission and distribution (T&D) losses in the Indian power sector are higher than other countries, which means electricity is generated but is not reaching the consumers.

Jaipur-based Gram Power is looking to solve this problem by digitizing the power distribution infrastructure in India.

Founded in 2012 by Yashraj Khaitan along with his then University of California batchmate Jacob Dickinson, the startup is building a smart electricity metering system to manage electricity consumption and avoid power losses. Jacob, however, exited the company in 2016 and is now working at SpaceX.

The company initially began to ensure electricity using its smart solar microgrids for areas that were not connected to national power grids. In 2016, Gram Power pivoted its business to solely focus on managing power distribution.

Gram Power began its journey with the launch of smart solar microgrids and claims to have deployed around 30 smart microgrids across Rajasthan and Uttar Pradesh.

However, later they realized the challenges in scaling up the business, because India lacked clear-cut policies on how a microgrid solution could co-exist with the national grid.

They developed an integrated platform for smart metering - right from the metering hardware to the communications technology to the entire software platform to manage and operate these meters at scale.

### Smart electricity metering system

A smart meter is a normal meter along with the capability to remotely turn on and turn off the power and also automatically take readings.

The thing that makes the metering system really smart is the software platform, which connects and uses all this data. For example, the entire billing process is automated and it is prepaid billing in the cloud. This allows the users to monitor their consumption, bill and set a budget if needed. The system will alert the user in case they are about to cross the set budget, allowing them to control their power expenses. Apart from this, utilities can also identify the location and quantum of power theft using the system. It also allows the companies to control and manage demands for power.

The startup's main target customers are state electricity boards who are incurring huge losses.

While the power generation and transmission infrastructure is good in India, the major problem lies in the power distribution, which is the last-mile infrastructure.

Factors such as power theft also adds to the burden. Their objective is to help the utilities reduce its losses.

By **Priyank N Jain**



## Update for the day #1117 | Life Lessons we can learn from ants



Just as the saying goes, "Not all classroom has 4 walls", Learning can happen from anywhere and from anyone.

My update is just an example for the same. These are some life lessons that we can learn from the tiniest of creatures, i.e, The Ants.

### **1. Ants teach us to be brave**

The average human is obviously more than 10 times the size of an ant. We get terrified by bears and tigers which really are nowhere near ten times our size. With your strength, you could squash an ant, dismember it, drown it and do many other terrifying things to it. Ants teach you that no matter how terrifying things may look up ahead, you should never chicken out. Come to think of it, ants are a lot braver than your typical action movie hero.

### **2. Ants teach us to ignore little diversions**

If you put your finger in an ant's path, it just walks around it and soldiers on to where it's heading. It won't let your stupid finger hinder its work. Put another obstacle in its way and it still soldiers on to its destination. You should do the same and not let silly problems and conflicts get in your way of achieving your objective. If you're doing your work, don't let that silly Whatsapp and Instagram notification divert you to endless hours of pointless web browsing.

### **3. Ants are strong and hardworking**

Ants are noted for carrying objects that are bigger than them. This is only made possible through sheer hard work and determination. Ants are not only strong, but also hard working. They are not scared of heavy task, but rather take pleasure in lifting these objects to their colony. If we don't look at how big a task is, we would easily accomplish task that seemed insurmountable.

### **4. Ants teach us that the next generation is everybody's responsibility**

Ants raise all their young together and that's something we should learn to do. No, not wrap our children like larvae and put them in a room, but educate them together. You don't have to be living in the same house to educate a child and neither do you have to be a school teacher. You could educate a stranger's child by showing good example, giving good advice or even settling a

small fight in a very civilized manner. Unfortunately we have become quite selfish in the upbringing of our children. Even worse are the cases of child rape and murder. What we should do is be responsible for the development of every child.

### **5. Ants teach us that knowledge should be shared**

Ants leave chemical trails that allow their colleagues to trace their path to success (food). It would be pointless if they didn't because although a single ant is capable of carrying up to 50 times its body weight (for real?), not much can be carried back to base for the development of the colony. The same thing applies to us when it comes to knowledge. You might have a great capacity of storing information in your miraculous brain but if unshared, it won't develop much from there onwards.

### **6. Ants teach us to adapt to our surroundings**

You can find ants just about anywhere. It's amazing how they've managed to get the most out of living with human beings. Move into a new house and you'll eventually find ants. Walk in the forest and you'll find ants. Ants know where to search for resources and you should do the same. Be quick to adapt to your surrounding and don't wait for a wakeup call.

### **7. Patience and persistence**

Ants can go for miles carrying their loads to reach their nest. They can carry a load as much as 100 times of their weight. They are goal driven little creatures and focus on getting the job done no matter how long it would take them to reach their destination. They are not intimidated by obstacles blocking their way. They pass through it or make a turn if needed.

Like ants, keep going no matter what circumstances get in your path. Don't give up and devote yourself to your purpose and do your best.

By **Yashaswini R U**



## Update for the day #1118 | Some Lifehacks that make life easier

There are always these pesky little obstacles in life that can easily ruin your day. Luckily, internet is full of handy life-hacks that can make your life a whole lot easier. From people stealing your shoes to getting back the stuff you have loaned out and forgotten, there's a life hack for everything.

Here are some life hacks that can make life in India safer, easier, and comfortable.

### **Secure your footwear at temples**

The quick hack to the problem is to never put your footwear together and if possible, turn one of them upside down. This drastically reduces the chances of your good-looking footwear catching a thief's eye. Thieves normally just pick up the ones that are kept together and look good at first glance before escaping the venue quickly.

### **Make moving to a new city easier for yourself**

Learn to say "I am learning the language" instead of "Sorry, I don't know the language" in the language of the city you are moving to. People are always glad to hear that you are willing to make the effort to learn their language!

### **Prevent cake from going stale in the fridge**

Keeping the cake out in hot weather can spoil it while storing it in the fridge can make it go hard and stale. The solution to this never-ending confusion is this fantastic hack that will ensure the cake stays nice, fresh and soft in the fridge. All it takes are a few slices of bread and some toothpicks to cover the open parts of the cake that aren't covered by frosting.

### **Being nice can help you out of a tight spot**

Be extra nice to people like security guards, hotel staff, chauffeurs, waiters and valets. They work all day and rarely get a kind word in return. They also have a lot of information about the locality they work in. You'll be surprised how much they can help in return.

### **Keep your essentials safe on the beach**

A great beach life hack is to clean out an old sunscreen lotion bottle and hide your phone, money and keys in there! Chances are that no one will steal this from you and you can safely keep your stuff in there while you're in the water.

### **For when you doubt your tea cup is clean**

In India, local tea stalls often serve awesome tea. If you have ever visited these busy stalls and been afraid of having tea in a cup that you doubt is clean, this hack is for you. Just turn the cup by 180 degrees, hold it with the left hand and have your tea. Most people are right-handed and

hold the cup in their right hand thus using just one half of the cup opening. It's not fool proof but being cautious helps when you are not sure!

### **Stay on the safer side**

Pretend to talk on your phone when taking an auto/cab late night and casually mention that you are travelling in a cab and going by so-and-so route. An extra step you take on a late-night cab ride is taking a picture of its registration number and sending it to a family member or friend.

### **Say goodbye to pesky mosquitoes**

Let's face it, mosquitoes are an aggravation. The buzzing, the biting and the itching are enough to send the bravest outdoor lover back into the safety of the house. So, if you find yourself in a place plagued with mosquitoes and with no bug repellent on hand, what you can do is ask around for a mentholated pain balm such as Vicks VapoRub. It works like a charm to keep the pesky mosquitoes away.

### **Handy in an emergency**

Take a photo of a list of all the medications used by the members of your immediate family on your cell phone. It's handy to have in the case of an emergency or even when you take them to see a new doctor. You can also add other important details, like their allergies and blood types, to the list.

### **Get your stuff back**

If you often forget about the stuff you have loaned to others and to whom, this hack is for you. When friends borrow a tool or a beloved book, snap a photo of them holding it. Next time you need something and can't remember who you gave it too, the photo will help you get it back.

### **Stop chilli from burning a hole in your taste-buds**

While chillies can bring amazing flavour to Indian foods of all kinds, nobody likes the fiery sensation of a chilli burn. Since capsaicin, the compound which causes the burn, repels water, it is not something you can simply treat with water.

By **Radhavallabha P.**



## Update for the day #1119 | Some of the records in the name of Indian cricketers

1. Anil Kumble entered the record books as he completed the perfect 10 wickets fall in an innings of a test match against Pakistan on February 7th 1999.



2. Yuvraj Singh was the first batsman to have hit consecutive 6 sixes in a single over of England's fast bowler Stuart Broad.



3. Rahul Dravid is the batsman to face the maximum number of balls – 31258 in test cricket, spending a total of 44152 minutes on the field.



4. Virendra Sehwag holds the record of maximum No. of TRIPLE CENTURIES along with Don Bradman, Chris Gayle and Brian Lara.



5. Irfan Pathan is the only bowler in the entire cricket history to have taken a hat-trick in a test match's first over.



6. Virat Kohli has a world record for being the fastest batsman to make 10000 and 11000 runs in One Day International Cricket.



By **Chandra Shekar.S**



## Update for the day #1120 | History of Kannada and incredible things in Karnataka.

### History of Kannada.



The word Kannada originates from the Kannada word “Karu” meaning Kali or high and “Nadu” means land or territory. Which consists of “Karunadu” which means Kali Bhoomi or High Land. In British times, the term “Karnatic” was used here for the land south of the Krishna River, which is the term “apricot” of Karnataka

It is the eighth largest state in the country in terms of area. This state was formed on 1 November 1956 under state reorganization. Earlier it was called Mysore State. It was renamed Karnataka in 1973.

### Kadamba kingdom



The Kadamba kingdom was the first Kannada dynasty to rule the northern part of Karnataka after the Satavahanas. Mayuravarma was the first ruler of that Empire. Banavasi was the capital of Kadambas.

## Incredible things in Karnataka

### 1. The Glory Of Rani Chennamma



It is the year 1824! Rani Chennamma, the queen of Kittur, the princely state became the first woman in India to lead an armed rebellion against the British East India Company.

### 2. First Private Radio Station



The state of Karnataka is the first in India where a private radio station was set up in the year 2001. Radio City 91.1 FM was the first national channel to be set up in Bangalore while currently, it has built 50 more across the country.

### 3. The Royal Pride In Mysore



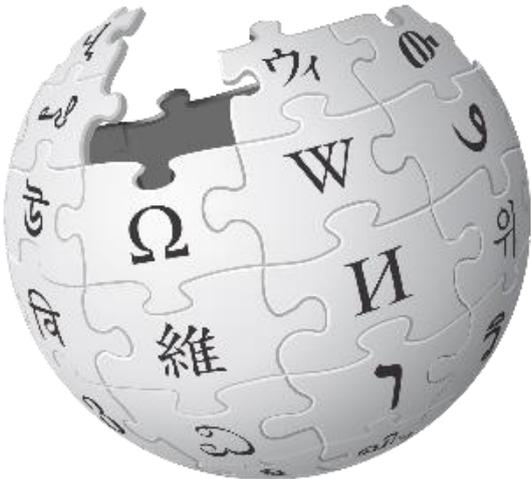
The Mysore Palace is only the second most-visited place in India after the wonder Taj Mahal. The regal beauty and epitome of royalty in Mysore is the pride of the whole state

#### 4. Karnataka Khadi Gramodyoga Samyukta Sangha



Well, the Karnataka Khadi Gramodyoga Samyukta Sangha or KKGSS is the only division in the whole country with the permission to sew and supply the 'Flag of India.' It is located in In Bengeri in Hubli city.

#### 5. One of the alphabets you see on the Wikipedia logo is from Kannada



It is proud to see that there is two Indian languages letter we can see on Wikipedia one is Kannada and one more is Bengali.

#### 6. Old Rock Formations



Did you know the Lalbagh Botanical Garden has a priced collection of some of the oldest rock formations of the world Dating back to 3,000 million years ago, these rocks are known to have originated before the dinosaurs.

### 7. The Legendary Village of Gabbar



Many get confused but it's true. The hilly region of Ramanagara is the village of the legendary villain "Gabbar Singh" from the movie 'Sholay.' Ramnagara is located just 60 km away from Bangalore and is just a short road trip away.

### 8. The Gomateshwara Statue



This statue of Bahubali is 58 feet tall and is the largest monolith statue in the world. Carved out from a single block of granite, it is visible from almost 30 km away. It is situated at Shravanabelagola, which is 145 km from Bangalore.

### 9. Largest Coffee Exporter



The whole of South India is covered in carpets of green plantations. But it's Karnataka that produces the largest amount of coffee. The first plantation was cultivated in Chikmagalur centuries ago.

### 10. Highest Plunge Waterfall



The Jog Falls aka Gersoppa is the highest plunge waterfall in India. Located in Sagar taluk of Shimoga district, the Sharavathi river creates this waterfall. The falls drop down from a height of 253 m (830 ft).

### 11. The Kannada Language Stands Second in the number of Jnana Peeta Awards.



Jnana Peeta award is an Indian literary award presented by the Bharatiya Jnanpith honoring an author for their 'outstanding contribution towards literature. Interestingly out of 60 people who have won this award across the nation(Hindhi-11 and Kannada-8)

By **Jayakumar R**



## Update for the day #1121 | Stages of Space Tourism

Space tourism means the activity of travelling into space for pleasure and interest, rather than a job. Space tourism is the term broadly applied to the concept of paying customers traveling beyond Earth's atmosphere. There are several different types of space tourism, including orbital, suborbital and lunar space tourism.

U.S. Millionaire Dennis Tito (ISS in April 2001) can be seen as the first space tourist. He shelled out around \$20 million to embark on this historic space trip.

### STAGES OF SPACE TOURISM

#### Stage 1: Nature Attractions and Others

This stage includes all-natural phenomenon or industrial products in direct correlation to space, which are normally low-priced to observe or to experience.

Example: Natural Phenomenon Such as starry sky, shooting star, northern lights, eclipse of the sun, lunar eclipse, etc.

Example: Industrial Products Such as space food, space proofed pen, space proofed wrist watch, etc.

#### Stage 2: Terrestrial Tour

Example: Space Camps

Space camps are mainly located at Huntsville, Alabama, and Yuri Gagarin Cosmonaut Training Center at Russian Star City nearby Moscow. Duration is from two to four days and it is offered one or more of the following attractions: training in a centrifuge for \$1700, training in a neutral buoyancy hydro lab for \$7000 or training in a Soyuz simulator for \$8500.



### Stage 3: Parabolic Flight

Parabolic flights reproduce gravity-free conditions in an aircraft by alternating upward and downward arcs interspersed with level flight. They provide a microgravity environment for scientists to conduct research without going into space.

### Stage 4: High-altitude Flight

Passengers in a high- altitude aircraft at up to 25 km altitude can see the curvature of the Earth below and the dark sky of space above. Space Adventures, Inc. offers MiG- 25 flights for about \$13 000. Alternatively, MiG-21, MiG- 23, MiG-29 and Su-30 can be used, too.

Example: High-altitude passenger in Russian Mig-25 (Space Adventures)

### Stage 5: Suborbital Flight

Suborbital space flight for tourism can be defined by the following term: “Customers go on a quick ballistic flight in a spacecraft into space, get a few minutes of weightlessness and then return to Earth, without reaching orbit.



### Stage 6: Orbital Flight

Orbital flights would allow passengers to watch different continents and many sunsets and sunrises. There would be plenty of time for experiences in weightlessness.

### Stage 7: Orbital Flight plus Hotel Stay

The first hotel would have zero gravity, but future designs call for a hotel that might rotate once per minute to create a gravitational pull one-third as strong as Earth's one.

### Stage 8: Moon Flights

When compared to a simple orbital flight, the complexity of the scenario increases significantly for a Moon trip. Total delta velocity  $\Delta V$  required for the entire mission is of the order of 20 km/s. In the context of space tourism, Moon trips are unlikely in short term but might happen in long term.

**Stage 9: Mars Flights**

A Mars aircraft is a vehicle capable of sustaining powered flight in the atmosphere of Mars. So far, the Mars helicopter Ingenuity is the only object to ever fly on Mars, having completed a total of 9 successful flights, thereby flying over a distance of 1.6 km so far.

**Stage 10: Titan Flight and Beyond**

Space tourism flights to other planets beside Mars are not imaginable with even improved assumed rocket propulsion technology such as fusion or fission engines due to still very long travel times.

By **Vidya Shree V**



## Update for the day #1122 | Siachen - world's highest battlefield

The Siachen Glacier is the highest battleground on earth, where India and Pakistan have fought intermittently since 13 April 1984. Both countries maintain a permanent military presence in the region at a height of over 6,000 metres (20,000 ft). The Siachen conflict, sometimes referred to as the Siachen War, was a military conflict between India and Pakistan over the disputed Siachen Glacier region in Kashmir. The conflict was started in 1984 by India's successful capture of the Siachen Glacier as part of Operation Meghadoot, and subsequently continued with Operation Rajiv. India took control of the 70-kilometre-long Siachen Glacier and its tributary glaciers, as well as all the main passes and heights of the Saltoro Ridge immediately west of the glacier, including Sia La, Bilafond La, and Gyong La. According to TIME magazine, India gained control of more than 2500 km of territory because of its military operations in Siachen.



### **Why is Siachen important?**

The Siachen glacier demarcates central Asia from the Indian subcontinent and separates Pakistan from China in the region. The Saltoro Ridge of the Siachen glacier serves as a divide that prevents direct linking of PoK with China, stopping them to develop geographical military linkages in the area. Siachen also serves as a watchtower for India to keep a deep watch on Gilgit and Baltistan regions of Pakistan. Due to its control over Saltoro Ridge, India is better placed to strike a bargain while settling bilateral territorial disputes with Pakistan and also helps India to keep a close watch on China activities as Beijing has vastly improved its infrastructure in this region.

### **Why Siachen is such a difficult area to defend?**

Besides the twin military threats from Pakistan and China, the climate condition is the biggest challenge for the armed forces. Temperature in Siachen glacier in winters drops to below -60 degrees. There are also constant threats of avalanches, crevasses on the glacier, high-speed winds. Soldiers stationed in the area are affected by a range of fatal altitude related ailments like frost bites, hypoxia, hypothermia and white outs. More than 2000 people have died in this inhospitable terrain, mostly due to weather extremes and the natural hazards of Mountain Warfare.

### **What is the cost of staying at Siachen?**

Both India and Pakistan have deployed around 5,000 troops (brigade strength). For India, costs of maintenance in the region is about Rs 5 crore a day. India has spent over Rs 7,500 crore for procurement of clothing and mountaineering equipment for soldiers. In terms of human cost, as many 869 Indian soldiers have lost their lives in Siachen since 1984 due to climatic conditions, in comparison to around 2000 Pakistani soldiers.

Despite the high-cost India maintains presence as a Pakistani control of Siachen would allow them to put radar and monitor all Indian airforce activity in Ladakh. It would also unite the Chinese and Pakistani front and allow them to launch a combined attack on India in case of a conflict. It saves Indian army from heavy cost of building defence infrastructure in the Nubra Valley.

### **How and why India occupied Siachen through Operation Meghadoot?**

Pakistan was first to see the potential of this strategically-important unoccupied area. However it didn't deploy troops till 1970 but used to send mountaineering expeditions to the glaciers. In early 1981, Indian Army Col Narinder Bull Kumar sounded the alarm over Pakistan's expeditions in the region. After that the army gave him the permission to map the entire region. Sensing Indian Army's interest in the region, Pakistan Army planned a mission to occupy the area but was hit by an intelligence failure. Pakistan had ordered mountaineering gears from a London company who was also a supplier for India. India got the information about Pakistan's acquisitions. In April 1984, India urgently dispatched troops to Siachen under secret Operation Meghadoot. Indian troops reached the glacier a week earlier than Pakistan.

### **Tourism**

Defense minister Rajnath Singh in 2019 made the announcement that Siachen area is now open for tourists and Tourism. From Siachen Base Camp to Kumar Post, the entire area has been opened for tourism purposes. Siachen base camp at Partapur is at an altitude of 12,000 feet and temperatures can dip as low as -60 degrees during the winter. The highest post in Siachen is Bana Post, which is 23,000 feet. Other than an annual civilian expedition, this is the first time that the area has been opened by the army for tourists. The army, which is deployed in the glacier, will be examining who all will be coming to the area.

By **Dylan Fernandes**



## Update for the day #1123 | Real Estate Bubble - the main cause of the Economic Depression in 2008

Real Estate Bubble was one of the main reasons due to which the Global Financial Crisis happened in 2008. The main contributor to the real estate bubble was the mortgage bonds.

So what is Mortgage Bonds?

A mortgage bond is secured by a mortgage, or a pool of mortgages, that are typically backed by real estate holdings and real property.

### KEY TAKEAWAYS

A mortgage bond is a bond backed by real estate holdings or real property

In the event of a default situation, mortgage bondholders could sell off the underlying property backing a bond to compensate for the default.

Mortgage bonds tend to be safer than corporate bonds and, therefore, typically have a lower rate of return.

Lets understand what is Mortgage in a layman's language.

Mr X, is a salaried person in USA and he wishes to buy a house, but due to pricing of the homes in USA he couldn't afford to buy the house using full cash so he chose the option of borrowing a Mortgage. So X borrows certain sum of money from the bank and in return the bank gets a piece of paper called Mortgage. Every month Mr X must pay Principal and Interest to bank.

If X defaults to pay the Principal and Interest the house will be in the possession of those who owns the piece of paper (mortgage). The term "those" is used because the banks often sells the mortgage to the third party.

### But what caused the Bubble?

In the early 2000's the investors In US and abroad looking for low risk high return investment started throwing their money at US Housing Market. The thinking was that they could get better returns on the interest rates which the house owners paid on these mortgages. because the US federal reserve lowers the interest rate on Treasury Bills to 1 % to keep the economy strong. (In the early 2000's the treasury bills was the traditional source of investment for the big investors). Due to the reduction of the interest rate to 1% the other side of the story was that the banks could borrow huge amount of money at only 1% interest from US federal reserve and there is basically an abundance of cheap credits.

But these investors couldn't buy individual Mortgages instead they bought investments called Mortgage Backed-Securities or Mortgage Bonds.

Mortgage Bond-Securities are created when large financial institutions securitize Mortgages. Basically they buy up thousands of individual mortgages bundle them together and sell the shares of that pool to investors. Investors Started to buy these mortgage-based securities and these looked like a really safe bet as they used to pay huge rate of returns.

And in the worst case scenario if a borrower defaults to pay the mortgage they (lenders) could sell the House at a higher rate as the home prices were going up rapidly. At the same time many credit rating agencies in fact gave AAA rating to these mortgage backed securities. As the mortgages were only given to those borrowers who had good credit score. Basically these mortgages were also called Prime Mortgages.

But the investors became greedy and were desperate to buy more and more of the mortgage-backed securities and the lenders did their best to create more and more securities. But to create more securities, they needed more mortgages, So the Lenders (Financial Institutions) reduced their standards and made loans with the people who had low income and poor credit score. Basically these mortgages were called Sub-Prime Mortgages.

Many of the institutions started using Predatory Lending Practices to generate mortgages. They gave loans without verifying the Income and offered adjustable rate mortgages with payments people could afford at the first, but these rates ballooned later on.

Due to the AAA ratings given by the credit rating agencies money came pouring in.

Traders started selling the an even riskier products called CDO's (Collateralized Debt Obligations). As these products were also given the highest ratings, even though these securities were made up of risky loans.

So what is CDO's (Collateralized Debt Obligations)

A collateralized debt obligation (CDO) is a complex structured finance product that is backed by a pool of loans and other assets and sold to institutional investors.

Due to this the Housing prices were going up Rapidly. But people couldn't pay their expensive mortgages the and the bubble burst started. And eventually more borrowers started to default and there were more houses in the market for sale and due to this the Supply was up and demand was down and the prices started collapsing. Due to the price fall the borrowers suddenly had a mortgage which was way higher than value of their house, and even they defaulted and leading further price drops.

Many Financial Institutions stopped buying the sub prime mortgages and some even declared themselves as bankrupt. And due to this many investors started loosing many.

To add on there was another financial instrument that the Financial Institutions had in their books called Credit Default Swaps.

Credit default swaps are those instruments which are sold as insurance against the default of mortgage-backed securities.

Things went terribly wrong and these Credit Default Swaps were also turned into securities that essentially allowed traders to get huge amount of money on whether the values of these mortgage securities would go up or down.

And eventually Panic set in, the stock market crashed and the US economy suddenly found itself in a disastrous recession.

By **Nagarjuna A M**



## Update for the day #1124 | Healthier and Happier

The old saying “dogs are man’s best friend” is just as accurate as it is cliché, various studies have proven the effects dogs have on our health and well-being. Below are the results of few studies and experiments.

### Lower stress

Studies have shown that petting a dog or cat can release the oxytocin hormone and decrease levels of the stress hormone cortisol, resulting in a more relaxed state. Incidentally, scientists have confirmed that dogs reap the same benefits from being petted. In recent years, dogs have been brought into airports, nursing homes, even school campuses to help relieve stress and pressure.



### Healthier hearts

A study dating back to the 80s found that touching or even talking to a dog can lead to lower blood pressure. In 2002, another study found that married couples who owned a pet had significantly lower heart rates and blood pressure levels than people without pets. Furthermore, in 2003, the American Journal of Cardiology published a reported that claims heart attack survivors who own pets are eight times more likely to live another year if they own a pet—this study confirmed the similar findings in the 80s by researcher Erika Friedmann.



### More active lifestyles

Need to amp up those steps or drop a few pounds? Owning a dog may be the kick-start you need. A 2011 study by Michigan State University researchers found that 60% of dog owners who walked their pets regularly met the recommended criteria for regular exercise. “There appears to

be a strong link between owning and walking a dog and achieving higher levels of physical activity, even after accounting for the actual dog walking,” said epidemiologist Mathew Reeves, who led the study. Of course, it’s recommended you select a dog that fits your lifestyle—in other words.



### **Fewer feelings of loneliness**

From feeling obligated to get out of the house to walk their dogs as well as attracting attention by the presence of a dog, people who own dogs are proven to be less lonely. A study published in 1993 found that “dog owners reported significantly less dissatisfaction with their social, physical and emotional states.” Recently, researchers at the University of British Columbia, Canada, determined that homesick college students could benefit from dog therapy.



By **Manoj Kumar Y**

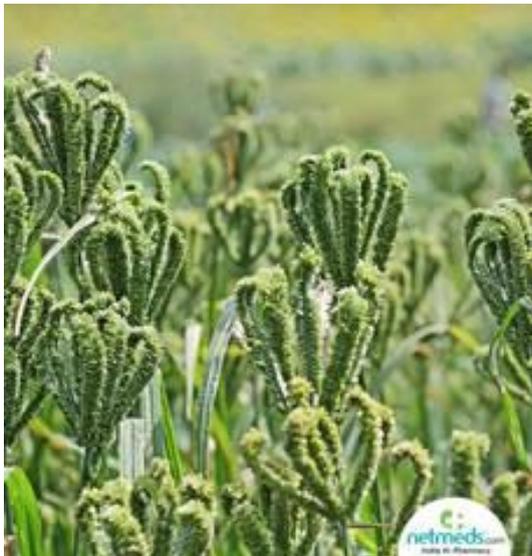


## Update for the day #1125 | Health Benefits of Ragi

### Health Benefits of Ragi

Ragi is an annually cultivated cereal crop, vastly found in the tropical regions of Africa and Asia, such as in Ethiopia, India And Sri Lanka. Being densely packed with a host of nutrients, ragi confers valuable health benefits such as enhancing digestion, reducing the risk of heart disease, slowing down ageing and managing diabetes.

Due to the immense popularity of other cereal crops such as rice and wheat, ragi had taken a backseat in the Indian food and nutrition scene for a long time, although they were a highly regarded nutritious yield in ancient agricultural practices more than 2000 years ago.



1. Loaded with Calcium: Ragi flour is one of the best non-dairy sources of calcium when compared to any other grains. According to the National Institute of Nutrition in India, 100 grams of Ragi contains 344 mg calcium. Calcium is critical for healthy bones and teeth and prevention of osteoporosis - a disease which weakens the bones. It is extremely beneficial for growing kids and can be given in the form of Ragi Porridge.

2. Helps in Controlling Diabetes: The grain's seed coat is abundant in polyphenols and dietary fibres as compared to rice, maize or wheat. The low glycemic index lessens food cravings and maintains the digestive pace, consequently, keeping blood sugar within the safe range.

3. Reverts Skin Ageing: Ragi works wonders for maintaining young and youthful skin. Vital amino acids like Methionine and Lysine present in it make the skin tissues less prone to wrinkles and sagging.

4. **Battles Anemia** :Ragi is an excellent source of natural iron and thus a boon for anemic patients and also for those with low haemoglobin levels. Once ragi is allowed to sprout, the Vitamin C levels tend to increase and lead to easy absorption of iron into the bloodstream.
5. **Relaxes the Body**: Regular consumption of Ragi is highly beneficial in dealing with conditions of anxiety, depression and insomnia.The presence of antioxidants, mainly Tryptophan and amino acids, helps as they work as natural relaxants. As per a study conducted by MedIndia in 2000, Ragi consumption is also useful for migraines.
6. **Helps in Weight Loss**: The high amount of dietary fibre combine keeps the stomach full for a longer and prevents unwanted cravings. This in turn leads to a minimised appetite and weight loss.
7. **Boosts Nervous System Function** : Eating ragi in controlled portions on a daily basis assists in enhancing nerve impulse conduction, activating memory centres in the brain and relaxing the mind, due to elevated levels of the amino acid tryptophan. As the tryptophan brings about an equilibrium in the levels of serotonin – a neurotransmitter, ragi helps in treating anxiety and insomnia, by maintaining good moods and promoting sound sleep.

By **Sonibai.N**



## Update for the day #1126 | The News that made Cadbury change its packing.



### The Insect Incident:

In October 2003, India was shocked by a piece of news about the favorite chocolate brand Cadbury. Certain people have reported that they have found insects inside the Cadbury chocolates. Cadbury was the market leader in the chocolate segment and had a market share of 70%. The news was a great setback for the company and its growing customer base made up of an increasing middle-class Indians.

### Further Investigation:

The crisis started when a shopkeeper in Mumbai found an insect inside a bar of Cadbury chocolate. This news was amplified by the news channels and rumors all around India. Indian Authorities launched an investigation. The lab reports from the governments confirmed the insect's infestation in the Cadbury chocolate bars. Authorities seized the whole stock from various plants of Cadbury. The company was losing the perception battle in the minds of its loyal Indian customer base.

### Cadbury's Statement:

Cadbury released an elaborated statement. The statement tried to point out the high quality of

manufacturing units of the company.

The whole insect infestation was due to poor handling and storage by the distributors and retailers, Cadbury blamed. Neither Government Authority nor the common people bought the clarification issued by the company.

#### **Project Vishwas:**

This crisis was so big that it threatened the existence of Cadbury in India. The company was looking at a defeat in the segment they dominated for so long. Cadbury tried to handle the crisis with a multipronged strategy. This crisis management operation aimed to highlight the safety practices of the company and regain the lost trust of its customer base. Cadbury named this campaign the "Project Vishwas". The campaign started with inviting people to visit their plants for watching the safety and hygiene practices of the company.

#### **New Packing:**

Under the project Vishwas, Cadbury changed the packaging of their chocolates. Before this crisis, the chocolates were wrapped in metal foil and packed in a paper cover with both sides opened. Cadbury implements tamper-proof, heat-sealed plastic packaging. New machines were imported at a cost of 15 crores. The company decided to bear the extra manufacturing cost without increasing the prices of their chocolates.

#### **Ad Campaign:**

A new and more elaborated ad campaign to gain customer trust was introduced. The company hired megastar Amitabh Bachchan as the new brand ambassador and the whole campaign was designed around the popularity of Mr. Bachchan.

#### **Back In the Game:**

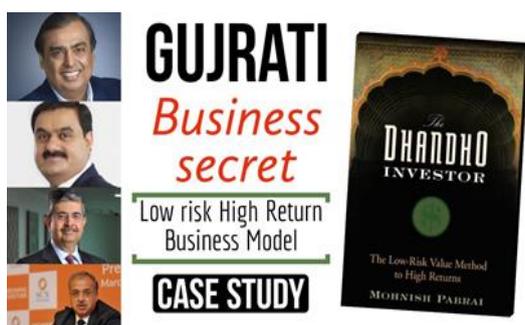
Project Vishwas was highly successful. Cadbury used the same medium that created the crisis to manage the crisis and win back the trust of their customers. Within 6 months from launching the campaign, the company saw growth in the demand for Cadbury chocolates.

By **Lavanya R**



## Update for the day #1127 | Dhandho

Forget the dogma that “high returns require high risks.” It’s a mental cloak one dives into when trying to justify inconsiderate and speculative investments. Instead, you should learn from the Patel Cartel. From a small sub-region in India, Gujaratis, originates a group of people who migrated to the US in the 1960-1970s. They make-up 0.20% of the American population, but they own more than 50% of the US motel industry, hence the catchy phenomenon Patel Motel Cartel. “How on earth is this possible?!” I wondered. The answer, explains the author, can be boiled down to one word: Dhandho.



### Heads, I win; tails, I don’t lose much

The Patel story was the starting pistol to *The Dhandho Investor*. Mohnish Pabrai, the investing guru who has ensured an annual return of 28% for its partners since 1999, has written a book that seeks to imprint the following mantra in the reader’s mind: “Heads, I win; tails, I don’t lose much.” The metaphor emphasizes that investing is a large-scale game of heads-or-tails. The outcome of each investment is uncertain, but you can turn the odds in your favor by adopting a Dhandho mindset. In its essence, it’s all about securing a substantial upside potential while minimizing downside risk.

### Creating an airline without assets

Mohnish introduces various examples to illustrate this philosophy in praxis. The first of which is Richard Branson’s venture into the airline business. When Richard founded Virgin Airlines, it happened basically without taking on any risks. He did not allocate the otherwise necessary \$200m. in assets to get started. No, instead he leased a 747 for \$2m. He received payment for the tickets 20 days before lift-off while gas and personnel weren’t to be paid until 20 days after the airplane landed. This structure and the maximum loss of \$2m. dollars (relative to Virgins \$12m. earnings that year) constituted a low-risk foundation to accelerate a high-return business. Heads, Richard wins; tails, he doesn’t lose much.

### Outsmart Wall Street: Understanding the difference between risk and uncertainty

In chapter 5, the reader is introduced to the Dhandho Framework. It’s essentially 9 principles that constitute the Dhandho mindset. For the sake of simplicity, I’ll only highlight the one principle that had the greatest impact on my thinking: Be on the look-out for opportunities with low risk and high uncertainty. Mohnish explains that Wall Street is often confused about the distinction between risk and uncertainty. These traders regard the terms as synonyms. Mohnish,

on the other hand, regards risk as the likelihood of loss of capital. Uncertainty revolves around the number of outcomes and the unpredictability of the future. Wall Street often rushes to sell their positions when the future is uncertain, which drives prices to depressed levels. This creates opportunities, as the levels can be driven so low that there's practically no risk. For instance, when Buffett went shopping in Washington Post's stock in 1973, the entire business was valued at just \$100m. by the market. However, the balance sheet revealed more than \$500 m. in assets. Assets, which could easily bring in well-above \$100m. dollars in case of liquidation. Washington Post was in trouble, just as all other businesses during the crash of 1973-1974. The future was uncertain, indeed, but there was no risk. In 2006, Buffett's initial stake of \$10.6m. was worth \$1.3 billion. The annual dividend payment exceeds the price Buffett paid back in the day.

### **Dhandho in praxis**

You probably noticed the resemblance between the book's title and this blog's domain. It seeks to underscore this framework's influence of my view on risk. Since I formed a relationship with the Dhandho philosophy, I've attempted to hunt-down stocks whose prices for some reason have fallen to depressed levels, e.g. by scouting for low P/E and P/BV stocks. Legendary value investor Walter Schloss says it best when he exclaims that he sleeps better knowing that if there's a cliff out there, his stocks have already fallen off it.

### **How did those Patels do it, by the way?**

Mohnish portrays an immigrant, Papa Patel, who landed in the US with his wife and three teenage children. He spots a 20-room motel with a sharply reduced price. He wonders, a seller that motivated would probably finance 80-90% of the purchase price. The family could live there, and thus reduce their living expenses to nil. He could dismiss the current personal and make it a family-run business with a negligible cost base. Papa would hence be able to offer the lowest prices and achieve the same level of profitability as the competitors. He decides to strike at the opportunity. Papa ties \$5,000 in the motel; the bank and the seller finances the rest against mortgages in the assets. The motel ends up generating \$50,000 in yearly revenue, of which \$20,000 finds its way to the bottom line. That's a 400% annual return on invested capital – not too shabby! There was an undeniable upside.

By **Vaibhav Bhansali**



## Update for the day #1128 | Goat Priced at Rs 1 Crore Ahead of Eid Al-Adha, Finds Few Takers.



Ahead of the auspicious occasion of Eid al-Adha, a goat in Maharashtra's Buldhana district has been priced at Rs 1 crore. Till now people are willing to go to the extent of paying Rs 51 lakh for this goat who goes by the name 'Tiger'. The reason behind the high price is that 'Allah' has been written on the goat's body since its birth. The goat is healthy in terms of build and requires two people to handle him. When 'Tiger's owner had taken him to the market for the sale, people were willing to offer Rs 36 lakh. He wasn't satisfied and got the animal back home.

Similarly, a goat in Madhya Pradesh's Mandsaur has also been priced at Rs 11 lakh. As per the goat's owner, there are two marks on the animal's body. The mark on one side reads 'Allah' while the one on the other side reads 'Ahmed'.

Eid al-Adha is a pious day that marks the readiness of Ibrahim for sacrificing his son Ismael for proving his obedience to Allah. It is believed that Allah was convinced by Ibrahim's devotion and so before he could sacrifice his son, God replaced him with a lamb. This is also the reason why the festival is called 'Bakrid'. The day is marked on the 10th day of Dhu al-Hijjah. In 2021, the crescent moon for the Zul Hijjah was seen on July 11, as per Jamiat Ulama-i-Hind. Therefore, the pious day will be celebrated on July 20 in Saudi Arabia and a day later in India.

By **Kiran Kumar M**



## Update for the day #1129 | The story of Yes Bank



For almost a decade since its Yes Bank was standing true to its name. The bank was awarded the Best Bank Award in 2008 by Business Today. Yes Bank was also included in the prestigious Sensex 30 in December 2017. Yes Bank was one of the youngest private banks in India, yet among the best performing banks in the country. Then came the downfall and endless arrays of bad news that took the bank for a nosedive.

Yes Bank was founded by 3 partners, Harkirat Singh, Ashok Kapur, and Rana Kapoor. The team was well experienced in banking and headed some of the top foreign banks in India. These three experienced bankers were supported by Rabo Bank of the Netherlands.

In 2004, Yes Bank was granted a universal banking license by the RBI and started its operation. The young bank had its first encounter with controversy when one of the co-founders, Harkirat Singh resigned from Yes Bank citing issues with Rana Kapoor.

Yes Bank was aggressive in business since its beginning. Yes Bank lent aggressively to small businesses and retailers. Despite being very aggressive with its business, Yes Bank had a very robust risk management system put in place. The bank was named the number 1 best performing bank in India by KPMG in 2008.

Rana Kapoor always regarded Kotak Mahindra Bank as the main competitor of yes Bank. Uday Kotak always had the biggest and best businesses in Mumbai as the client of Kotak Mahindra Bank. Rana Kapoor wanted a piece of these businesses for Yes Bank.

Lives changed forever in Mumbai on 26/11. India's financial capital was gripped by chaos when a group of terrorists rained havoc on the city. Like everyone else, Yes Bank too suffered a huge loss. The co-founder of the bank, Ashok Kapur was among the casualties in the Taj Mahal Hotel. His death changed the bank forever.

After the death of Ashok Kapur on 26/11, Yes Bank became a one-man show. There was no one to check the ethics and business practices of Rana Kapoor. He had free hands to do whatever he wanted in the Yes Bank. Rana Kapoor did exactly that.

To match with Kotak Mahindra Bank and other private sector banks, Yes Bank started aggressively lending to companies from high-risk sectors like Real Estate, Telecom, and airlines. Anil Ambani Group, IL&FS, DHFL, Jet Airways were some of the first big-ticket loan clients of Yes Bank.

The bet initially paid well. Yes Bank was growing fast and so were its CASA books. Yes Bank was inducted into Sensex in December 2017. The party was about to turn sour in Yes Bank. The risky bets of Yes Bank were waiting to bite the bank back.

In the late 2010s, the Indian financial sector started to feel the pressure of rising NPAs. Some banks were caught hiding and underreporting their actual NPA numbers. Yes Bank was one of these banks. As much as one-fourth of the loan book of the bank turned sour.

Yes Bank tried to solve the crisis by bringing fresh investors on board. But estranged CEO Rana Kapoor did everything possible to derail the recapitalization process of the bank. Rana Kapoor was arrested on money laundering charges. Depositors soon started taking money out of the bank. Nothing was going well for Yes Bank.

When the situation in the Yes Bank went from bad to worse, RBI stepped in and put the bank in the moratorium on March 5, 2020. RBI brought SBI, HDFC Bank, and other top banks of India to rescue Yes Bank. The management of Yes Bank was replaced. Yes Bank was withdrawn from the moratorium on March 18, 2020.

Yes Bank is now slowly getting back on track with it reporting a 360% year-on-year jump in its net profit to Rs 207 crore for the June quarter, on the back of lower provisions and higher other income. This is the Bank's highest profit since December 2018.

By **Akshit K Jain**



## Update for the day #1130 | What is scent marketing?

You've heard of scent marketing. You might have even heard some of the hype surrounding it—so many major brands use scent marketing! But you may be wondering how a plug-in could improve your business. Sure, there's nothing wrong with using a simple air freshener to spot treat unwanted smells and banish must. But—

Scent marketing is so much more than air freshening.

Scent marketing is the use of a strategically chosen fragrance diffused at customer touchpoints. The right fragrance and strategy will communicate a clear, likable brand identity. Scent marketing increases sales and brand loyalty by creating unique customer experiences.

Scent marketing is truly a marketing effort. It's about branding, image, and customer experiences. And like any good marketing initiative, there's strategy involved to help you reach your goals.

### **Types of Scent Marketing Strategies:**

There are two main types of scent marketing strategies. Both are valuable but keep in mind that your scent marketing strategy is custom designed for your business—that means we can combine elements from each strategy to ensure you reach your goals.

#### **Scent Branding**

What if you could make your brand instantly recognizable without needing to display your logo?

The world's most powerful brands live in the minds of consumers. But while visual recognition is powerful, olfactory recognition is much more powerful.

Memories related to scent are resistant to time and more easily recalled. Our sense of smell is the only sense that reaches us at a deep, instinctual level by tapping directly to the pleasure center of the brain—and the emotions, memories, and creativity that live there.

#### **Harnessing the power of scent means keeping your brand top of mind.**

People are most receptive when all 5 of their senses are activated. Each element of your branding needs to be strong and should be able to stand alone.

The fragrance you choose will be the olfactory touchstone of your brand and will be able to stand on its own. When customers smell your fragrance, they will immediately think of you—taking your brand to a new level of familiarity with customers.

#### **Ambient Scenting**

For some businesses, setting the tone for your business is more than branding. It's a powerful tool to manage customer touchpoints and create a pleasant atmosphere that builds trust and makes customers want to return.

There have been many studies on the power of scent to affect mood. Ambient scenting with a scent marketing system allows you to direct customers in a gentle yet impactful way. By putting customers in the right mindset, you can enhance customer experience and help to mitigate stress and anxiety during tough customer interactions.

A few examples include:

Healthcare facilities who use a soothing scent to calm patient nerves— (they often see fewer cancellations as a result of installing a scent marketing system.)

Gyms and fitness facilities often incorporate bright, invigorating scents which inspire action and make members feel more prepared to tackle their workout.

In addition, some businesses also choose to incorporate our odor neutralizing technology to help combat any must or lingering malodors.

What a Scent Marketing Strategy Can Really Do:

There are many benefits to scent marketing and you can expect a strong return on investment.

Independent reports from our clients revealed:

- a. 20% increase in customer satisfaction scores
- b. 11% daily increase in retail store sales
- c. 8% improvement of food quality satisfaction scores—without making any changes to the food served

A do-it-yourself store in Germany began using the scent of fresh cut grass in their retail locations. They found that positive customer impressions of the store went up almost 50%. Their research also revealed that the scent led customers to perceive the staff as harder working and more knowledgeable.

By **Sanmathi**



## Update for the day #1131 | Woozle Effect

“As I grow older, I pay less attention to what men say. I just watch what they do.” – Andrew Carnegie

The term “Woozle”, comes from the much-loved children’s book “Winnie the Pooh” by A.A. Milnes. In the book Pooh Bear and Piglet go hunting for a Woozle. They follow the Woozle’s tracks and find that there are more and more tracks appearing. Christopher Robin eventually explains that Pooh and Piglet have been following their own tracks the whole time.



Over time, the Woozle effect has become a term to mean evidence based on weak citation that misleads individuals, groups and the public into thinking or believing there is real evidence. These “Woozles” lead to nonfacts turning into urban myths, factoids and fake news. Over time, we see a citation of a study so many times that we will start to believe it to be fact when it actually lacks any real evidence. This often happens in the mainstream press where a study is cited to support an argument, yet the original study lacks evidence, lacks definitions, or has a flawed methodology.

In modern politics the Woozle effect has become even more extreme. A person in an authority position now only needs to suggest something to be true without even providing actual evidence. These people in positions of power now act as the citations for a new Woozle to start. Of course, the first person that probably comes to your mind would be Donald Trump. He has used the Woozle effect masterfully. Whether intentionally or unintentionally, he has been able to persuade a large portion of the population that much of what he says is backed by hard evidence. However, it’s not just Trump who has used the Woozle effect, his predecessor used it just as effectively. When talking about issues like gun control or tax increases Barack Obama would use phrases like “common sense” gun reform, or “fair share” tax increases. Those phrases suggested that people who do not agree with them were either stupid or selfish, effectively muting their point of view, and at the same time allowing Obama to set the definitions for those phrases.

It is fake news where the Woozle effect is felt the most today. It only takes one news article with questionable credibility to create a snowball effect of following articles each citing the last as evidence. You can spot the Woozle effect if the language has changed from things like “the evidence suggests” to “the evidence shows”. The changing of words from qualified (“it may”, “it might”, “it could”) to absolute form (“Everyone knows ...”, “It is clear that ...”, “It is

obvious that ...”, “It is generally agreed that ...”) subconsciously suggests to the reader a firm link between evidence and conclusions.

So why does all of this matter? When we are making decisions, we need to use reliable information. The only way to determine if the information is reliable is to read the original studies, not to rely upon just the presses or an influential individual's interpretation of these studies. We need be asking questions like — does the study use a flawed sample? Use a very small sample? Interpret correlation as causation? Cite original research? If the evidence is weak, the decision could be too. So, the next time you watch Fox News or read the Huffington Post ask yourself are the points being presented to you backed by hard evidence or are you following the tracks of a Woozle?

By **Nagasarwesh**



## Update for the day #1132 | Tokyo 2020 Olympics: Inside the Olympic Games Athletes' Village.

As the 2020 Summer Olympics have started. The most awaited event for the athletes and their country surely it is the event united by emotions as the Tokyo 2020 Olympic motto suggests. As Japan being the host nation, I would like to share some interesting facts on the athletes' village which is accommodating Olympic athletes from July 23 to August 8 and Paralympic from August 24 to September 5. The village is hosting over 11,326 athletes.

The athletes' village spans 44-hectares and includes a 24-hours dining hall, fitness center, multi-function complex for athletes to relax, and more

The Tokyo 2020 Olympics has officially kicked off as of July 23 and one of the things the world has been most interested in is the newly built Tokyo Olympic and Paralympic Village in Harumi, Chuo.

It's surrounded by the sea on three sides, allowing views of Tokyo Bay. The village isn't open to the public but started hosting athletes on July 13, just 10 days before the Opening Ceremony.

The sprawling village is divided into different areas. The Residential Zone is where athletes will reside during the Games and includes the main dining hall. The Operational Zone is where the main functions required for the operations of the village is. The Village Plaza is a facility that supports the daily needs of the athletes including a cafe, store, media center and more.

In the residential buildings, there are around 3,800 units and 18,000 beds for the Olympic athletes as well as 8,000 beds for the Paralympic athletes.



All bedrooms are equipped with windows or doors to enable bidirectional ventilation. The bed frames are made of cardboard and are 100 per cent recyclable. In fact, when athletes began arriving in the village, the cardboard beds were the subject of much talk because of how interesting they were.

The cardboard beds can hold up to 441 pounds and come with bedding from a Japanese bedding company called Airweave which provided all 18,000 beds and mattresses made of polyethene for the Olympic Games.

There are also blackout curtains in the room, allowing athletes to sleep and rest at any time. The closet design and height design takes into consideration the needs of wheelchair users, while the outer corridors have a width that allows two wheelchair users to pass by each other.



Every single room is around 9 meters or more while a twin room is 12 meters or more. There will be 21 buildings in total, each with 14 to 18 floors.

The main dining hall is where athletes will be served nutritious meals to get ready for the Olympic Games. Opened for 24 hours, there will be about 45,000 meals offered per day. The dining hall has about 2,100 seats for the Olympic athletes and 1,700 seats for the Paralympic athletes.

They can pick up dishes that have been portioned in advance by the staff. Health protocols will also be in place with hand sanitizers installed at the entrance and in meal service lines. Droplet prevention shields and footprint signs for social distancing have also been implemented





There will be 700 food options available, offering a wide selection of meals corresponding with various eating habits, cultures and religions of athletes from all over the world. A display of nutritional components per serving amount is available to allow an easy understanding of dietary intake. There will also be a nutritional help desk staffed by certified dieticians to provide more details of each meal.

Over at the multi-function complex which serves as a space for athletes to relax, there will be medical care, casual dining, recreation and fitness services available.

The fitness centre on the third floor has about 600 pieces of equipment installed including aerobic machines and weight machines. Saunas in changing rooms can also be used by judokas and boxers in weight class competitions to lose weight.



The casual dining area is a place for eating, drinking and relaxation, which gives athletes an opportunity to try Japanese dishes made with ingredients from across the country.

The menu offers not only traditional Japanese cuisine but also modern dishes popular in daily life such as rice balls, noodles and teppanyaki, skewers (yakitori) and Japanese Savoury pancake (okonomiyaki). There will be about 3,000 meals offered a day.

Meanwhile, the recreation center provides a space for athletes to relax. It has activity and recreation booths and services such as boccia projection mapping game, table tennis, massage chairs, air massagers, AR filming booth, bicycle simulators, game consoles and more.

For the first time in Olympic history, a dedicated treatment programme that provides comprehensive medical care for female athletes is available at the clinic complex (polyclinic)

The physical therapy department will also provide services in conjunction with the conditioning area in the fitness center.



In addition, nine ice baths equipped with water quality and temperature management systems have been installed. Two MRIs and X-ray machines are also provided. Other services including emergency care, internal medicine, dentistry, orthopedics, ophthalmology and clinical examinations.

Because of the pandemic, a fever clinic is also available for diagnosis and testing of athletes showing symptoms such as fever.

Other facilities include a services center where athletes can get more information about the competition as well as service desks for each department.

For transportation, there will be a dedicated bus between the Olympic and Paralympic Village

and competition venues. Near the village is the Harumi Port Park, a relaxing space overlooking the Rainbow Bridge and Tokyo Day and Harumi Greenway, a promenade flourishing with greenery.

And finally, the Village Plaza is another area for athletes to stroll around and unwind. It's constructed from timber donated from local municipalities throughout Japan in an expression of diversity and harmony.

There will be numerous services available to support the daily needs of athletes including a hair salon, dry cleaner, courier counter, bank, photo studio and more.

Once the Olympic Games finish, the village will be converted into a residential neighborhood. The Olympic Games takes place from July 23 till August 8 while the Paralympics takes place from August 24 to September 5.

By **Mithun H S**



## Update for the day #1133 | Marlboro's plan for a Smoke-Free UK!



In 2016, Philip Morris International (PMI) announced that it was committing to a major business transformation — a move away from cigarettes and other combustible tobacco products and toward healthier, smoke-free alternatives to nicotine delivery. The goal by 2025, the company declared, was to get at least 40 million of its adult customers to stop smoking and switch to one of the alternatives, with the goal, ultimately, of achieving a “smoke-free future.”

On June 25th, the chief executive of tobacco business Philip Morris International has called on the UK government to ban cigarettes within a decade, in a move that would outlaw its own Marlboro brand. Jacek Olczak said the company could “see the world without cigarettes ... and actually, the sooner it happens, the better it is for everyone.

Philip Morris International is not abandoning products geared toward smokers entirely despite its pledge. It's focusing more on developing tobacco heating systems, such as electronic cigarettes that still "create a nicotine-containing tobacco vapor," the company said.

Philip Morris recently announced it will acquire Vectura Group, a British pharmaceuticals company that produces inhalers, and Denmark-based Febtin Pharma, a nicotine gum maker. The purchase of Vectura drew criticism from people who found issues with a tobacco company, that while still making money from cigarettes is positioning itself as one is anti-smoking

The World Health Organization says that "the tobacco epidemic is one of the biggest public health threats the world has ever faced." It kills more than 8 million people a year — 7 million of those deaths are directly linked to tobacco use, according to the WHO. More than 1 million other deaths are from non-smokers being exposed to second-hand smoke.

Citing the nation's chief medical officer, a recent U.K. government report said smoking will kill more people in the U.K. than COVID-19, both this year and in 2020.

"Recent analysis shows it kills up to two-thirds of long-term users," the report said.

About 14% of the U.K. adult population smoke. Based on current trends, the most disadvantaged communities will not be smoke-free until 2045, according to the report. Scotland's ambition is to achieve this smoke-free goal by 2034, with no dates set yet for Wales or Northern Ireland.

By **Brinda Rameswaran**



## Update for the day #1134 | Sitting is the new Smoking

What are you doing as you read this? Having a cup of coffee? Taking a break from work? Getting ready for bed? Whatever you're up to, chances are you're sitting down. We get it, your feet are tired! That chair is comfortable.

Most of us have heard the phrase "sitting is the new smoking" referring to the growing epidemic of sedentary lifestyles in developing or developed countries. But is this true? Is sitting in a chair that bad for you? We decided to find out.

### THE FACTS

Over 25% of Indian adults sit for more than 8 hours every day. 44% of those people get little to no exercise.

The average Indian watches approximately 3 hours of television every day.

The average Indian is active less than 20 minutes every day.

60-75 minutes of moderate activity (steady walking) can counter the effects of too much sitting.

A 2011 study documented 800,000 people and their sitting habits. The study found that people who sit the most, compared to people who sit the least, have a greater risk of disease and death: 112% increased risk of diabetes.

147% increased risk of cardiovascular events like heart attack and stroke.

90% increased risk of death from cardiovascular events.

49% increased risk of death from any cause.

### THE SCIENCE

Sitting can be so relaxing. Why is it so bad? Here's what happens when you spend too much time sitting:

Blood flow slows down. This can allow fatty acids to build up in the blood vessels, leading to heart disease.

Sitting for extended periods of time, regularly may lead to insulin resistance which can cause type 2 diabetes and obesity—2 major risk factors for heart disease.

A 2018 study found that 82% of people who suffer from blood clots, sat for a significantly greater amount of time than the remaining 18%.

Your body's ability to process fats is slowed. When you sit, your body's production of lipoprotein lipase (an enzyme essential for breaking down fat) drops by about 90%. When your body cannot break down fat, it is stored instead.

### THE SOLUTION

Sitting is inevitable! Here's how you can ward off any negative side effects:

Set a timer. Get up every hour and move. Stand, walk around, stretch. You can even download apps onto your phone to remind you!

Watch your posture. Poor posture can lead to bone damage, decreased blood circulation, fatigue, and loss of muscle strength. If you must sit, keep your shoulders back, your chin tucked, and your stomach pulled toward your spine in order to keep muscles engaged, bones aligned, and

circulation flowing.

Take a stand. If you're able, why not opt for a standing desk? Not only will your heart thank you but standing desks have been proven to increase brain function, creativity, and productivity.

Work it out. Commit to exercising every single day. Go on a walk during lunch. Plan to attend a fitness class. Choose the far parking spot. Every minute of physical activity counts!

In recent years, it has been said that "sitting is as bad as smoking". While, yes sitting and smoking both have their negative effects on health, it is impossible to compare them. The difference between sitting and smoking is that society has outcast one of them, and completely expanded upon the other.

It's wonderful to take a rest. In fact, it's necessary. But at what point does "taking a rest" turn into a living a sedentary life? Take a look at the hours in your day. How many of them are spent in a chair? Honestly. While sitting at your desk might not be the equivalent of hanging out in the smokers' lounge, it very well could yield the same results.

By **Rithik Jain**



## Update for the day #1135 | The Right Hand Man - Manoj Modi

He has no flashy titles and few outside India know his name. But in the halls of Reliance Industries Ltd., Manoj Modi has quietly become one of the most powerful forces behind the corporate empire of Asia's richest man.



Reserved and mostly invisible to the public, Modi is viewed by many insiders and others in India's business world as the right hand of billionaire Mukesh Ambani. He played a key role during negotiations for a \$5.7 billion deal with Facebook Inc. in April, backing Ambani and his children as they hashed out an agreement with the social networking giant.

As Ambani, 63, shifts his sprawling conglomerate's focus from petrochemicals to internet technologies, Modi is seen as a particularly influential voice. Facebook's investment in the group's Jio Platforms was followed by similar deals from a slew of private-equity funds, injecting \$13 billion into the business and placing it firmly on Silicon Valley's radar.

"It's not a company that advertises its organizational structure but the industry knows that Ambani and Modi are a strongly-bonded team — and together drive deal negotiation and relentless execution to the last level of detail".

### **Making Money**

Modi is a director at Reliance Retail Ltd. and the group's telecom carrier Reliance Jio Infocomm Ltd. At Kola's conference, he downplayed his skills. "I don't really negotiate," Modi said. "I don't understand strategy," he went on. "In fact, people internally know that I don't even have a vision." He described his role, saying, "I deal with our internal people, coaching them, mentoring them, and guiding them on how something can be done."

But then came a hint of his thinking: "Our principle at Reliance is very simple: Unless everyone makes money while working with us, you cannot have a sustainable business."

In interviews, more than half a dozen executives in the technology industry, who have had dealings with Reliance, said Modi has a reputation for driving hard bargains. When dealing with startups, he often controls negotiations from behind the scenes by instructing executives how far to push, making an appearance nearing deal fruition, they said.

While Reliance's recent mega investments have drawn the spotlight, the conglomerate also began an acquisition spree to buy smaller firms some years ago to build expertise in newer technologies from artificial intelligence to the blockchain. The idea is to create a digital business that wields power in everything from online retail to streamed entertainment and internet payments.

Modi has a big say in every deal and often a meeting with him signals the final stamp of approval, four different startup founders said in interviews.

"He derives his power in the organization not just because of his loyalty, but because of his very astute, smart, and able negotiator skills for Reliance Industries,".

Gopinath said Modi is "ruthlessly efficient" and manages to get the best possible deal for Reliance in mergers and acquisitions.

Modi is one of the few who have been with the company since the 1980s when Ambani's late father was building the oil-and-petrochemicals giant.

Over the years Modi became known as the execution man, overseeing large projects. He broke new ground by managing Reliance's retail reach to smaller cities and expanded it to India's largest retailer. But it was with the pathbreaking telecom service that Ambani built up that Modi came into his own.

### **Telecom Talks**

His negotiating skills were very visible when Reliance Jio raced to launch its wireless services in 2016 and built its fiber optic cable network.

These days, after crushing its rivals, Jio is the largest telecom operator in India with nearly 400 million users. It's also increasingly important to global businesses like Facebook and WhatsApp as it serves as an entryway into an exploding digital economy and an e-commerce ecosystem that includes payments, education, and health care.

To conclude," The right man will never take you for granted. He knows that only a fool would gamble with something so precious and rare."

By **Akshit Jain**



## Update for the day #1136 | The Unregulated Drug That All of us Consume

I recently watched a documentary called 'Fat chance'. Which in, essence talks about how and why, as time goes on and technology is getting more advanced, we as humans, are continuing to get unhealthier. The rate of obesity is at an all time high. This is also in turn impacting the younger generation as the average weight of a newborn baby is also higher than the previous generation, which is not a good sign. In the documentary they deep dive into the topic of what actually causes humans to become obese. Though we are the smartest species and top of the food chain we still fall prey to this.

The food industry has been a culprit in the obesity epidemic. In the United States, false ideas about nutrition were perpetuated by both scientific researchers and federal agencies for decades. During that time, the sugar industry infiltrated almost every type of processed food. Sugar is a highly addictive substance. This craving for something sweet is engrained in us as humans. As hunter gatherers we to crave sweet and ripe fruits which helped us distinguish it from their raw counterparts .

The sugar industry exploits the primal instincts for their profits. Sugar affects the brain's reward centers in the same way that other substances do. The more sugar you eat, the harder it becomes to enjoy healthy food. It is a viscous cycle which can be hard to get out of and I have fallen prey to this myself.

After consuming sugary food excessive amounts of insulin trigger havoc on your body, which leads to problems with hormones like leptin (Which signals your brain that you are full) and ghrelin (The hunger hormone) which control appetite and satiety respectively. These issues are exacerbated by high levels of cortisol (the stress hormone) caused by chronic stress from modern lifestyles. High-sugar diets have been associated with an increased risk of many diseases, including heart disease, the number one cause of death worldwide.

Evidence suggests that high-sugar diets can lead to obesity, inflammation a, blood sugar and blood pressure levels — all risk factors for heart disease. Foods's high in added sugar quickly spike blood sugar and insulin levels, leading to increased energy. However, this rise in energy levels is fleeting cause us to become hungrier than we were before we consumed the food, which leads us to eat more.

Products that are loaded with sugar but lacking in protein, fiber or fat lead to a brief energy boost that's quickly followed by a sharp drop in blood sugar, often referred to as a crash. This is also a reason why we feel sleepy after a heavy meal.

This documentary definitely took me aback. When I started looking at the labels of food items, almost every packaged food, whether sweet or savory contained sugar in it. This definitely made me more cautious and analytical towards what I am actually putting in my mouth. For the past 2 weeks or so, I have eliminated sugar all together. Where even if I am craving something sweet , I eat a lot of fruits.

Though it was hard for the first week where I felt a sense of deprivation, things have gotten much better during the course of this week. Though I know it's not practically possible to eliminate sugar all together as it is such a social part of our lives ( Festivals, poojas, birthday parties etc.) .I want to at least try and become more conscious about how I consume it. I intend to keep at it for the long run.

By **Vivek Kamath**



## Update for the day #1137 | Why is Netflix foraying into video games?

Netflix has evolved over years DVDs and streaming services, to producing originals. And now it plans to venture into video games.

Recently, Netflix told its investors that it is in the early stages of expanding into games, as an extension of experiments that they have done with the handful of interactive programs, like 2018s Black Mirror Bandersnatch.

So if everything works out, we could possibly expect to see interactive video games based on our favorite TV shows. But what's with this new fascination anyway?

Netflix is trying to maintain its lead in the highly competitive streaming business. The streaming business is highly saturated with limited scope for expansion.

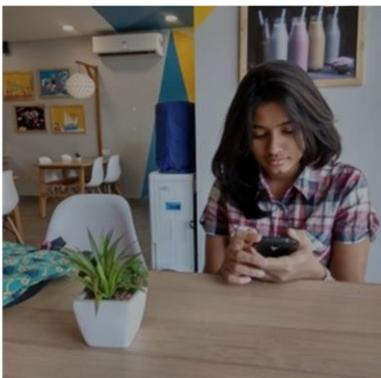
And with Netflix , while the company made big games in 2020 in the total number of new subscribers, there was a visible slow down in the following year with only 1.54M new subscribers, as against 10M last year.However , adding video games to its entertainment catalogue could actually help them get new subscribers.

But producing video games isn't exactly child's play. They are competing with the likes of Pubg and Fortnite. And these companies did not achieve success overnight.

For every popular game we see out there, we can find a 100 other games that did not take off. And standalone AAA titles like GTA, Call of Duty are expensive to create and could go burst if people don't take to it kindly.

So while Netflix does have room to experiment with gaming, its not exactly going to be a cheap affair.But Netflix would not be Netflix if it did not gamble.

By **Harshitha.B.C**



## Update for the day #1138 | Who said Indians are not good at comebacks?

The chairman of Mahindra Group, Anand Mahindra is very active on social media. He always comes up with interesting, inspiring and entertaining posts. At the same time, Anand Mahindra also knows how to shut down haters by giving epic replies.

Time and again he has stood up like a true Indian and has slammed those who tried to insult Indians. The same happened when Steve Wozniak, the CEO of Apple, tried to insult Indians by taking a dig at the education system. He also claimed that Indians lack the 'creativity' factor in them.

Steve stressed the bitter fact that we Indians are only looking for high-salaried jobs and nothing else. He also said that we Indians are lacking the creativity factor in us. Not just this he also said that he doesn't believe that there can ever be any big tech company in India similar to tech giants like Apple, Google, or Facebook.

The statements didn't go down well with Anand Mahindra, who decided to school Steve Wozniak for his controversial statements on us Indians.

Anand Mahindra took to his Twitter and gave a befitting reply to the co-founder of Apple. And looking at his reply, one can say that Mahindra really didn't like the way Steve took a dig at Indians.

Replying to an article featuring this piece of news, like a true Indian, Mahindra wrote:

"I love it when such comments are made. Nothing like a sweeping stereotype to get our juices flowing & prove it wrong. Thanks, @stevewoz Come back soon. We'll make you sing a different tune."

When the government banned 59 Chinese apps including TikTok, WeChat, and UC Browser, and Xiaomi's Mi Community over national security concerns amid strained India-China bilateral relations after the death of 20 Indian soldiers in the Galwan Valley clash with Chinese PLA troops in eastern Ladakh.

The Global Times editor while reacting to India banning 59 Chinese apps had taken a dig at India by tweeting, "Well, even if Chinese people want to boycott Indian products, they can't really find many Indian goods. Indian friends, you need to have some things that are more important than nationalism."

The M&M chief in a reply has called it a "motivating rallying cry for India Inc." to respond.

"I suspect this comment might well be the most effective & motivating rallying cry that India Inc. has ever received. Thank you for the provocation. We will rise to the occasion," Mahindra tweeted.

Today, the face of Mahindra Group is Anand Mahindra has been leading and maneuvering through the curves of the global economy. With existence in over 100+ countries and a total of more than 200,000 employees globally, the Mahindra Group's empire isn't the only part of the Indian Automobile industry.

By **Rithick Kumar**



## Update for the day #1139 | e-RUPI

Prime Minister Narendra Modi launched e-RUPI, a cashless and contactless instrument for digital payments on 2nd August 2021. It is a QR code or SMS string-based e-voucher, which is delivered to the mobile of the beneficiaries. The users of this seamless one-time payment mechanism will be able to redeem the voucher without a card, digital payments app or internet banking access, at the service provider

It has been developed by the National Payments Corporation of India in collaboration with the department of financial services, health ministry and the National Health Authority.

These vouchers are like e-gift cards, which are prepaid in nature. The code of the cards can be shared either via SMS or the QR code can be shared. These e-vouchers will be person and purpose-specific. Even if one does not have a digital payment app or a smartphone, one can benefit from these vouchers.

### **How does it work:**

Cashless and contactless digital payment mode which will be delivered to the mobile of a beneficiary in the form of QR code or string based e-voucher.

It connects “beneficiary and sponsors of a service” and “service providers” in a digital manner without any physical interface.

Ensures payment is made to service providers after completion of service.

Its developed by NPCI and all the banks will be institutions to issue e-RUPI.

The payer will approach the partner bank with details of specific persons and purpose of payment to be made.

Beneficiaries will be identified through their mobile numbers.

A voucher will be issued to the service provider from the bank which will be allotted to that person.

### **Uses:**

Good governance and leak-proof delivery of welfare schemes.

Mainly developed to deliver government schemes directly to the beneficiaries.

This acts as a barometer in assessing the capacity of digital payments and will help the RBI in roll out of digital currency.

To encourage digital payments to users who do not possess smart phones.

Quick redemption process as there are fewer process involved and lesser declines due to pre-booked amount.

Safe and secure, as beneficiary doesn't need to share personal details while redemption, hence privacy is maintained.

The banks which have been notified as issuers of e-vouchers are:

- Axis Bank
- Bank of Baroda
- Canara Bank
- HDFC Bank
- ICICI Bank
- IndusInd Bank
- Indian Bank
- Kotak Bank
- Punjab National Bank
- State Bank of India
- Union Bank of India

By **Suhas. N**



## Update for the day #1140 | Wildlife And Its Conservation

Ecological balance is maintained when the environmental factors remain in a state of balance. If one or more of these factors are disturbed to any extent, then they may be recovered soon. But gross natural calamities like flood, earthquake, volcanic eruption, etc. destroy the ecological balance considerably and environmental organisms are liable to destruction. The animals and birds are the ornaments of nature, the beauty of the jungle. With the advancement of civilization, industrialization moves in rapid space. This has resulted in the feeling of the large trees, cleaning the forests.

### **Aims of conservation**

A continuous yield of useful plants, animals, and materials are to be ensured. To preserve the economically important plants, animals, as a source of recreation, creation of aesthetic sense and to meet the various need of life.

- To maintain the ecosystem balance.
- Importance of conservation
- To maintain the ecological balance
- To add to the source or recreation of mankind
- To meet the future demands
- To create an aesthetic sense
- To yield beneficial plants and animals
- To maintain the economic condition of the country
- To help in the benefit of mankind

### **Purpose of Wildlife Conservation**

Plants and animals offer huge value to human being and it must be saved and protected for future generations to gather experience their presence and value. For the following purposes, we should conserve wild animals.

**Medicinal purposes:** Wild species (plants and animals) provides useful medications. Today, most of our life-threatening medicines are made from the natural compounds using diverse wild species. These wild species save our lives and contribute to a prospering medicine industry.

**Ecological purposes:** Foundation of a healthy ecosystem depends on biodiversity. Destruction of wild species makes the ecosystem imbalance. In this case, we should preserve the wildlife to make a balanced ecosystem.

**Commercial purposes:** Various wild species play a major role and contribute to national and international economics. Today, valuable these wild species are declined due to various human activities such as destruction of habitat, pollution, etc. This degradation of wildlife may impact on the economy; hence, our economy faces a critical problem. So, for the betterment of commercial importance; we should save wild animals and plants.

**Aesthetic/recreational purposes:** Wildlife species are an invaluable and irreplaceable resource and they provide spiritual, recreational, quality of life values. They also boost up the national economy and enhance the different country's job-intensive tourism industry. To enhance our quality of life and future generations healthy, measures should be taken for the preservation of plants and animals.

### **Impact of Wildlife on Nature and Human Civilization**

Impact of wildlife may be discussed on the following three headings:

**Ecological:** Every organism has got its own importance in nature, however harmful it might be. In maintaining the balance in the ecosystem occurs through the extinction of any such component, the balance in the ecosystem is disturbed. This imbalance threatens the life or livelihood of other organisms. Since through the break of food-chain on one level, the other levels grow by leaps and bounds and finally, they will be destined to attack human population directly or indirectly through the damage of his crops and organisms of interest. Through the biological control, the natural balance is maintained by prey and predator chain. Hence, ruthless annihilation of wildlife surely disturbs the balance and invites disaster to human life.

**Aesthetics:** Human life is full of bustle and hurry, but when we stand and leisurely look to the vast nature, we feel rejuvenated. The beauty and varied richness of the jungle inhabited by colorful and varied types of wild animals gives us pleasure and satisfaction.

**Economical:** Properly maintained wildlife is a source of the country's income. We can have economically valued materials like meat, skin, feathers, horn, etc. from wild animals, there is a demand of such materials in foreign countries where we can export these materials and earn foreign exchange. In fact, we have been doing so.

By **Punith B D**





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