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BITS & BYTES

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Department of Information Technology

#SATYAVACHAN

YOUR POSITIVE ACTION COMBINED WITH POSITIVE THINKING RESULTS IN SUCCESS.

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Staff Co-ordinators:
- Mrs. Sanketi Raut
- Mr. Akshay Agrawal

Designed by Ms. Anushri Jadhav, Ms. Lavanya Deivakarunathan & Ms. Maliha Momin

Interesting Facts About Linux

1. There are 20,323,379 lines of code in the Linux kernel as of 2018. That might sound like a lot but it's actually the smallest the kernel has been for some time! Even so, despite the recent reductions, the huge line count means Linux remains the single largest open source project on the planet.

2. Linux very nearly wasn't called Linux! Linus wanted to call his "hobby" project "FreaX" (a combination of "free", "freak" and "Unix"). Thankfully, he was persuaded otherwise by the owner of the server hosting his early code, who happened to prefer the name "Linux" (a combination of "Linus" and "Unix").

3. Though he wrote 100% of the first Linux release less than 1% of the latest kernel release includes code written by Linus Torvalds.

4. Talking of the wider universe, there are actual asteroids in actual space named after Linux and Linus Torvalds — whether space geek or tech geek, it seems we geeks like to stick together!

5. Tux, the Linux mascot, is a penguin, but have you ever wondered why it's a penguin? The answer depends on who you ask: Linus recounts a story in which he was bitten by an angry penguin, infecting him with a (made-up) disease called "penguinitis". Others say its selection was due to Linus' fondness for the animal and/or its unsuitability as a corporate logo.

6. Linux totally dominates supercomputers. As of 2018 100% of the world's 500 fastest supercomputers run Linux. Impressive!

7. The Linux development community is incredibly active. Changes to the kernel were merged at an average rate of 7.8 patches per hour over the past 15 months!!!

8. Steve Jobs offered Linus Torvalds a job in 2000, on the condition that he stopped development on Linux. Linus (thankfully) declined.

9. Need proof of how successful Linux is? Take a look at its long-time arch-rival, Microsoft. The company who famously tried to 'extinguish' the project in the late 90s and early 00s now leverages Linux in its server business. It even contributes to kernel development!

Source : https://www.omgubuntu.co.uk/2018/08/interesting-facts-about-linux/amp

- MR. SATISH AOUDICHYA
TE-IT

5 Top free online courses to learn Python in 2021

Python is widely used programming language loved by developers across the globe. It is an object-oriented language that offers great levels of flexibility to perform complex tasks with ease. It has clean syntax and it has a shallow learning curve. Here we have listed down the top five free Python courses that you can enroll in 2021.

Python is one of the most loved programming languages of today. It is used by developers, data scientists and software engineers worldwide for a wide range of projects including machine learning apps. It offers developers the flexibility to perform complex tasks with ease. Even though it is an object-oriented high-level language it is easy to learn and has a shallow learning curve. Here we have listed down the top five free Python courses that you can enroll in 2021.

1. Crash Course on Python by Google:

Duration: Approx. 32 hours to complete

This course is designed to teach you the foundations in order to write simple programs in Python using the most common structures. No previous exposure to programming is needed. By the end of this course, you'll understand the benefits of programming in IT roles; be able to write simple programs using Python; figure out how the building blocks of programming fit together; and combine all of this knowledge to solve a complex programming problem.

Link: https://www.coursera.org/learn/python-crash-course

2. Getting Started with Python by Google:

Duration: Approx. 32 hours to complete

This course aims to teach everyone the basics of programming computers using Python. We cover the basics of how one constructs a program from a series of simple instructions in Python. The course has no pre-requisites and avoids all but the simplest mathematics. Anyone with moderate computer experience should be able to master the materials in this course.

This course will cover Chapters 1-5 of the textbook "Python for Everybody". Once a student completes this course, they will be ready to take more advanced programming courses. This course covers Python 3.

Link: https://www.coursera.org/learn/python

3. Python 3 Programming Specialization by University of Michigan:

Duration: Approximately 5 months to complete

This specialization teaches the fundamentals of programming in Python 3. We will begin at the beginning, with variables, conditionals, and loops, and get to some intermediate material like keyword parameters, list comprehensions, lambda expressions, and class inheritance. You will have lots of opportunities to practice. You will also learn ways to reason about program execution, so that it is no longer mysterious and you are able to debug programs when they don't work. By the end of the specialization, you'll be writing programs that query Internet APIs for data and extract useful information from them. And you'll be able to learn to use new modules and APIs on your own by reading the documentation. That will give you a great launch toward being an independent Python programmer.

Link: https://www.coursera.org/specializations/python-3-programming%23about

4. IT Automation with Python Professional Certificate by Google:

Duration: Approximately 8 months to complete

This program is designed to teach you how to program with Python and how to use Python to automate common system administration tasks. You'll also learn to use Git and GitHub, troubleshoot and debug complex problems, and apply automation at scale by using configuration management and the Cloud. This certificate can be completed in about 6 months and is designed to prepare you for a variety of roles in IT, like more advanced IT Support Specialist or Junior Systems Administrator positions.

Link:https://www.coursera.org/professional-certificates/google-it-automation

5. Python for Everybody Specialization by University of Michigan:

Duration: Approximately 8 months to complete

This Specialization builds on the success of the Python for Everybody course and will introduce fundamental programming concepts including data structures, networked application program interfaces, and databases, using the Python programming language. In the Capstone Project, you'll use the technologies learned throughout the Specialization to design and create your own applications for data retrieval, processing, and visualization.

Link: https://www.coursera.org/specializations/python

Source: https://content.techgig.com/5-top-free-online-courses-to-learn-python-in-2021/articleshow/82087152.cms

- MR. AKSHAY AGARWAL
ASSISTANT PROFESSOR

Dogecoin

Meme-based cryptocurrency Dogecoin, which has been making headlines for the past week, is on a downslide. The digital currency has crashed over the past two days, reducing by more than 30 per cent in value. The decline started a day after crypto fans celebrated April 20 as the Doge Day, using hashtags on social media platforms to fuel the price of this cryptocurrency. On Monday, Dogecoin's price in rupees had crossed Rs 32 but came down to Rs 23 on Wednesday Dogecoin fans used the hashtags #DogeDay and #DogeDay420 to post memes, messages and videos on social media platforms including Twitter, Reddit and TikTok. "GIMME THAT DOGECOIN LAMBO!!! #DogeDay" one tweeted, referring to the Lamborghini sports car popular in crypto culture. The crypto had hit a record peak earlier this week when its market capitalization soared to more than $50 billion. After the slump, its market cap dropped roughly $45 billion, according to coinmarketcap.com. Bitcoin remains to be the most popular cryptocurrency with a market cap of more than $1 trillion. Dogecoin was created by two software engineers Billy Markus and Jackson Palmer as fun and instant cryptocurrency in December 2013. It is a digital currency just like Bitcoin, used for e-transactions. It became popular when Tesla's chief executive officer (CEO) Elon Musk, rapper Snoop Dogg and rock band Kiss' bassist Gene Simmons mentioned it on Twitter. The Dallas Mavericks, owned by business rogue Mark Cuban announced the team would be accepting Dogecoin as payment. Social media platforms like TikTok and Twitter have also helped in rise of Dogecoin. Dogecoin's logo features a Shiba Inu dog at the center of the meme. In fact, it was started as a joke and was largely an internet meme before it really took off at the start of this year. Dogecoin's rise came during a surge in online trading of stocks and crypto by retail investors, stuck at home with extra cash because of the COVID-19 pandemic. One of the reasons behind this jump has been platforms like Reddit and Twitter where people started using the term 'To the Moon' with reference to Dogecoin. The term is popularly used for cryptocurrencies when they hit really high prices. Dogecoin was created by two software engineers Billy Markus and Jackson Palmer.

Source: https://www.indiatoday.in/technology/news/story/dogecoin-crashes-after-crypto-lovers-rallied-it-to-record-high-on-doge-day-1793792-2021-04-22

- MR. JIGAR CHAUHAN
ASSISTANT PROFESSOR

10 Amazing facts about the Human body

Yes, the human body is truly an incredible specimen. Don't believe it? Take a look at these ten facts, you'll be surprised at what you learn.

1. Infants are born with approximately 300 bones, but as they grow some of these bones fuse together. By the time they reach adulthood, they only have 206 bones.

2. More than half of your bones are located in the hands, wrists, feet, and ankles.

3. Every second, your body produces 25 million new cells. That means in 15 seconds, you will have produced more cells than there are people in the United States.

4. The largest bone in the human body is the femur, also known as the thigh bone. The smallest bone is the stirrup bone, which is located inside your ear drum.

5. There is anywhere between 60,000-100,000 miles of blood vessels in the human body. If they were taken out and laid end-to-end, they would be long enough to travel around the world more than three times.

6. Teeth are considered part of the skeletal system, but are not counted as bones.

7. Despite accounting for 2% of our body mass, the brain uses 20% of our oxygen and blood supply.

8. While humans are not the biggest, fastest, or strongest animals around, we are the best at something: long distance running. Our long legs, upright posture, and ability to shed heat via sweat are all factors that make us good runners. In fact, early humans used to hunt their prey by chasing it for long periods of time until the animals literally died from exhaustion, a technique known as persistence hunting.

9. About 60% of your body is made up of water.

10. Pound for pound, your bones are stronger than steel. A block of bone the size of a matchbox can support up to 18,000 pounds of weight

Source: https://www.osgpc.com/amazing-facts-about-the-human-body/

- MRS. SANKETI RAUT
ASSISTANT PROFESSOR

Career in Entrepreneurship

Are you thinking of starting a business on your own?

To start a business, you have to prepare yourself financially and emotionally. Your passion for your product or service and tolerance for risk are the major points which will help you to run a successful business.

Firstly let's talk about… What is Entrepreneurship?

Entrepreneurship is a procedure of designing, beginning & running a new business.

For example – like a startup company offering a product or service.

Most people think like being an entrepreneur is about coming up with a new idea for the business, but it doesn't stop here it also includes that how you will reach to the clients and customers in an affordable & effective way.

In a simple way, we can say that Entrepreneurship means creating new things rather than sticking to conventional jobs & businesses.

A person who sets up business on taking the financial risks in the hope of profit is termed as "Entrepreneur".

The entrepreneur is a loanword from the French language firstly used in 1973.

Entrepreneur is an innovative or independent-minded business person. An entrepreneur creates products & services.

They are job creators rather than job seekers.

In the late 17th and early 18th century, Richard Cantillon and Adam Smith study entrepreneurship in the discipline of management.

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Scope of Entrepreneurship

There are lots of scope in the field of entrepreneurship. After completing your degree, you may open your own business. The scope of Entrepreneurship in India or in abroad is tremendous. Nowadays, the youth of the nation is much more focused towards starting their own business, this has given rise to a lot of new startups in the country. In the study of Entrepreneurship, you can learn the techniques to run the business in an effective way.

Courses & Duration

There are many courses available to pursue in the field of Entrepreneurship. You can pursue the diploma, certificate, undergraduate and postgraduate programmes in this field. Many of the universities provide the free online course in entrepreneurship. Some most sought courses are listed below:

- Diploma in Entrepreneurship
- Certificate course in Women Entrepreneurs
- Certificate in Entrepreneurship Management
- Post Graduate Diploma in Entrepreneurial Management,
- Post Graduate Diploma in Entrepreneurship
- BBA in Entrepreneurship
- MA in Social Entrepreneurship

Source: https://www.sarvgyan.com/courses/entrepreneurship

- MRS. ROVINA D'BRITTO
ASSISTANT PROFESSOR

How Supermassive Counterparts Of Black Holes Originate

Scientists have reported the discovery of a rare, medium-sized black hole that may help answer one of the more tantalising questions in astronomy: how do their supermassive counterparts come into being?

There are two well-known sizes of black hole, at one end, so-called stellar-class ones which are typically three to ten times the mass of our Sun and at the other, supermassive ones, found at the centre of most galaxies, including the Milky Way, which are millions to billions times heavier. The newly detected 'goldilocks' black hole, about 55,000 solar masses, could be a missing link between these two extremes, scientists suggested Monday in the journal Nature Astronomy. Up to now, only a handful of intermediate-mass black holes, between 100 and 100,000 solar masses, have been detected, and none have been squarely in the middle of that range.
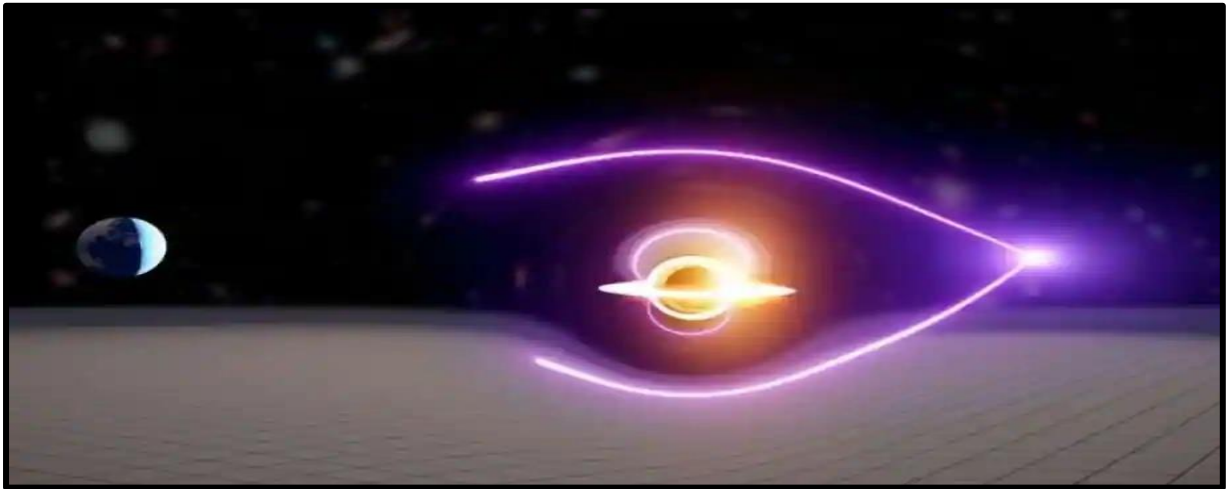
A black hole is a celestial object that compresses a huge mass into an extremely small space. Their gravitational pull is so strong nothing can escape them, not even light. Stellar-class black holes form when a dying star collapses, but astronomers have yet to figure out the origin story of the larger, matter-eating monsters.

"How do we get so many supermassive black holes in the Universe?" asked co-author Rachel Webster, a professor at the University of Melbourne. Senior author Eric Thrane, a professor at Monash University, said the newly discovered black hole "could be an ancient relic, a primordial black hole created before the first stars and galaxies formed."
"These early black holes may be the seeds of the supermassive black holes that live in the hearts of galaxies today."

Born that way?

The new specimen was observed indirectly thanks to a slight deviation in light from a stellar explosion in the early Universe, some eight billion light-years distant. Using a technique pioneered by Webster, astronomers analysed thousands of these gamma-ray bursts -- caused either by the violent collapse of a star or the merger of two stars -- looking for signs of gravitational lensing.

This occurs when an object -— in this case, the intermediate black hole -- acts as a lens and fleetingly bends the path of the light as it travels toward Earth, such that astronomers see the same flash twice. While Thrane, Webster and lead author James Paynter, a PhD candidate, were able to measure the mass of their intermediate black hole with precision, they could only speculate on how it was formed.

"Broadly, there are three possibilities," Webster said.

It could have been forged from the merger between two lesser black holes, as was true for another, much smaller intermediate black hole discovered in May 2019.

Alternatively, it might have been born as a stellar-class black hole and slowly accumulated mass as it sucked matter into its maw. "But this is a slow process," said Webster. "It is hard to grow supermassive black holes from a solar mass seed over the age of the Universe."

A more likely scenario is that their discovery "was born that way," she said. "This could provide the answer."

The authors think that there are about 40,000 intermediate black holes in our own galaxy alone. The gravitational waves that can bend light -- allowing for the detection of black holes -- were first measured in September 2015, earning the lead scientists a physics Nobel two years later.

Albert Einstein anticipated gravitational waves in his general theory of relativity, which theorised that they spread through the Universe at the speed of light.

Source: https://www.wionews.com/science/scientists-discover-how-supermassive-counterparts-of-black-holes-originate-374272

- MS. MALIHA MOMIN
SE-IT

National Technology Day

India observes its National Technology Day on 11th May every year. 11th of May is the Symbol of National Glory for India.

Key Points

❑ The day which was first observed on 11 May, 1999, aims to commemorate the scientific and technological achievements of Indian scientists, engineers. The day was named by the former Prime Minister Atal Bihari Vajpayee.

❑ Every year, the Technology Development Board of India (a statutory body under the Ministry of Science and Technology) celebrates the day by awarding individuals with National Award for their contribution to science and technology in India.

❑ The focus this year is 'Rebooting the economy through Science and Technology.'

Significance

➢ It is the day India successfully tested nuclear bombs in Pokhran on May 11, 1998.

➢ India successfully test-fired its Shakti-1 nuclear missile in operation called Pokhran-II, also codenamed as Operation Shakti.

➢ The nuclear missile was tested at the Indian Army's Pokhran Test Range in Rajasthan. This was the second test which was conducted after Pokhran-I codenamed Operation Smiling Buddha, in May 1974.

➢ On the same day, India performed a successful test firing of the Trishul Missile (surface to air short range missile) and had test flown the first indigenous aircraft – 'Hansa – 3'.

➢ As it says by itself, May 11 each year reminds India of its glorious technological strength. The eleventh day of May does have a glorious reason for its celebration as the National Technology Day. On May 11, 1998, India successfully tests fired the Shakti-I nuclear missile at the Indian Army's Pokhran Test Range in Rajasthan in an operation led by aerospace engineer and late President Dr. APJ Abdul Kalam.

➢ Two days later, the country successfully tested two more nuclear weapons as a part of the same Pokhran-II/Operation Shakti initiative (Pokhran-I was the 1974 test firing of the 'Smiling Buddha' missile). Following this, the then Prime Minister Atal Bihari Vajpayee declared India a nuclear state, making it the sixth country to join the 'nuclear club' of nations and the first one that was not party to the Treaty on the Non-Proliferation of Nuclear Weapons (NPT) – an international treaty signed by the US, Russia, the UK, France, and China which aims to prevent the spread of nuclear weapons and hopes to achieve nuclear disarmament.

- ➤ Becoming the world's sixth nuclear state wasn't the only feat India achieved on that day. The country's first indigenous aircraft, the Hansa-3, was flown in Bengaluru while the nuclear tests were being conducted in Rajasthan. Developed by the National Aerospace Laboratories (NAL), a Council for Scientific and Industrial Research (CSIR) lab, the Hansa-3 was a light two-seater general aviation plane used in flying institutes for pilot training, sports, surveillance, aerial photography, and environment-related projects.

- Ø That isn't all. May 11, 1998, was also the day on which the Defence Research and Development Organization (DRDO) completed the final test-fire of the Trishul missile after which it was inducted into service by the Indian Army and Indian Airforce. A short-range, quick-reaction, surface-to-air (SAM) missile, Trishul was a part of India's Integrated Guided Missile Development Programme – a Ministry of Defence initiative that has resulted in the creation of the Agni, Prithvi, and Akash missile systems.

- Ø Based on these tremendous breakthrough achievements by the country's scientists, engineers, and technicians, Atal Bihari Vajpayee declared May 11 as the National Technology Day. Every year since 1999, the Technology Development Board (TDB) commemorates the day by honoring technological innovations that have positively impacted the nation. The TDB also selects a theme for each year's event, and the 2018 National Technology Day theme is 'Technology for inclusive and sustainable growth'.

- Ø Celebrated as a symbol of the quest for scientific inquiry and technological creativity, and their translation into the integration of science, society, and industry, the National Technology Day sees the TDB confer National Awards to the most noteworthy individuals, institutions, and businesses of the year.

- Ø The event, conducted in New Delhi, also sees India's President give out the National Awards and launch a range of innovative products as the Chief Guest. Furthermore, several state governments organize local events that see academic institutions, research organizations, and NGOs come together to generate awareness about the latest technological advancements in the country. and again it brings joy and pride into every Indian denizens' mind that the journey of Indian technology is marching on more successfully.

Source: https://www.drishtiias.com/daily-updates/daily-news-analysis/national-technology-day#:~:text=Significance,Pokhran%20Test%20Range%20in%20Rajasthan.http://www.governancetoday.co.in/day-pride-indian-national-technology-day/

- MR. ALLAN LOPES
ASSISTANT PROFESSOR

Apple Air Tags

Cupertino based tech giant Apple Inc recently held its spring event, which saw the company go on stage to unveil the new iMacs, a refreshed iPad Pro lineup and the hotly anticipated Air Tags.

You might have seen them surface on social media or during the event and wondered as to what the purpose of an Air Tag is.

If you were wondering about this, worry not, as we will go in-depth on who needs an Air Tag, what exactly an Air Tag is and how one can use it.

What Are Apple Air Tags?

The Apple Air Tags resemble tiles that one puts on an item that they are likely to lose, for example, your keys or purse. These tiles can help the user track the items that are not visible to the user or lost.

Apple's official website states that Air Tags are a super-easy way to keep track of your stuff; this basically sums up the use case of the Air Tags. The key competitors to Apple's Air Tags are Tile and Samsung's Galaxy SmartTag.

Thankfully, Apple has not locked the Air Tags to their coveted ecosystem, with the product functioning both with iOS and Android-based devices. Apple mentions that the best use case can be achieved with an iOS device, which was evident from the start.

The application with which Air Tags are synced is the Find My app on Apple devices. This application has gone through improvements so as to easily accommodate the new tracking method. Apple has mentioned that this update will be released next week as part of the iOS 14.5 update.

How Do Air Tags Function?

You might think that the Air Tags will have a very sophisticated method of functioning, but, in reality, it is quite simple. First, you need to attach an Air Tag to an item or place it inside a bag that you feel you could misplace.

When you are unable to find this specific object, you need to go to the Find My app on either your Mac, iPhone, iPad or Apple Watch so as to locate it.

Now, you can ask Siri to locate this specific item with the keyword "Hey Siri, where is my …." with the name of the object that you have lost.

The Air Tags will make a sound that will allow you to locate the desired item with ease.

Inside, the Air Tags send out Bluetooth based signals so that your iPhone or device can sport them easily via the nearby devices option. As the user has location enabled in his/her iCloud account, the Find My app tells the user where the Air Tag and the product that the user needs.

As per Apple, the entire process is anonymous and safely encrypted, meaning that the user's location is not shared with anybody else. Battery life or mobile data consumption is another issue that will not be plaguing users since the Air Tags make use of low-energy Bluetooth.

Do note that to use the Air Tags, they are required to be paired with the user's account. This can be done post purchasing an Air Tag and turning it on. Once it is activated, the iPhone or other device can immediately search for it and find the Air Tag.

Can Air Tags Do Anything Else?

The Air Tags have another functionality, which is of Lost Mode. When this mode is activated, the Air Tag will always keep searching for a device to send a signal to. When it eventually detects a device, the user receives a notification on their phone.

If some other person finds it, the person can make use of their NFC based device to get your details and contact you, which is quite useful if you left it someplace far.

When an item is detected, the user sees exact directions with arrow based navigation on the screen to get the precise location of the Air Tag.

This precision finding as of now will only be available on iPhone 12 Pro Max, iPhone 12 Pro, iPhone 12, iPhone 12 mini, iPhone 11 Pro Max, iPhone 11 Pro, and **iPhone 11**. The reason for this is the use of ultra-wideband tech that Apple uses on the company's latest devices.

How Expensive are the Apple Air Tags?

With the functionality offered by Apple and the image held by the company, one would expect Air Tags to be ridiculously expensive. In reality, they are not very expensive, with a price of Rs 3,190 for a single Air Tag and Rs 10,900 for a pack of four Tags.

Pre-order begins starting at 5:30 PM on 23rd April via the Apple Store. Users can customize the Air Tags with either emojis or their initials for free via the site for some exciting changes on a simple looking product.

Source: https://telecomtalk.info/everything-about-apple-airtags/355657/
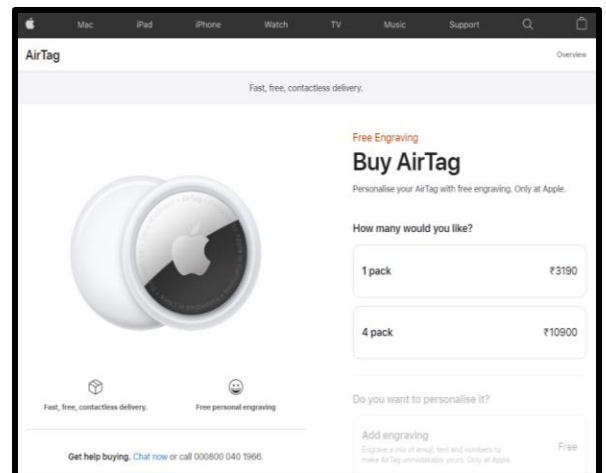
- MR. JIGAR CHAUHAN

ASSISTANT PROFESSOR

Top-5 Travel Trends for 2021

The post-pandemic effects are prone to bring a revolution in the Travel culture. As the restrictions are lifted, Travel enthusiasts are buckling up to resume their travel routine. The entire pandemic situation has introduced few astonishing changes in the taste of the travelers. As per several surveys and travel news, it is evident that people are more likely to opt for private holiday getaways, last-minute trips and rejoicing city break experiences.

Covid-19 pandemic is encouraging travelholics to adapt to responsible travelling habits, with safety as their utmost priority. This is the time where new travel trends are born and blooming well in the travel and tourism sector. Let's have a look at the 5-travel trends of 2021;

1. Travelling into the search of peace

Imagine a day waking up to a sight where the morning sun is spreading a rosy hue across the sky. Nestled in the arms of nature, you are somewhere far away from the constant honking, and stressful city life. It's just the sound of birds chirping, and you can feel the inner peace as you escape into the blissful surroundings of quiet destinations. Several booking analysis and travel searches prove that people are aiming to plan a trip to deserted places for a complete digital detox. They wish to break all ties with the world for few days as they surrender themselves to these peaceful holiday destinations. Breezy hill stations, perpetual jungle trails and less explored tourists spots are being picked up by travelers to spend their post-pandemic holidays.

2. Rural is the new hotspot

Rural travel destinations are adding to the people's favorite list. Village side places are catching the attention of the travelers who are enthralled to spend their holidays in a simplistic manner and the most superlative environment. How amazing it will be, to be on a rural staycation wherein, you get an opportunity to live in a zone free from city crowds? Tourists are planning to stay at several magnificent rural homestay options and indulge in some adventurous excursions around the village. Activities like bird watching, fishing, and a fun game of cricket or football with family or friends can delight your holiday mood. Sitting idly alongside a beautiful farm, with a cup of warm tea in hand with a mesmerizing view to cherish is an awe-inspiring moment. Meanwhile, enjoying local authentic and finger-licking cuisines and interacting with the locals can be the best pass time for wandering minds.

3. No more lone travelers

Solo travelling receives a break as most of the travelers are diverting towards a community or mass travelling approach. This pandemic and the lockdown period had forced people to be caged at their homes. Everyone missed hanging out with their friends and family. To get a breakthrough, people were found making mass travel plans to collectively come together and spend a happening vacation. Especially several youngsters were found making plans for youth's top-notch tourist destinations- GOA! Pandemic made the people realize that travelling solo can make them happy but deeper we all know- asli maza sabke sath aatha hai!

4. Last-minute and unplanned trips

"Unplanned trips are the most successful ones", relatable isn't it?! Yes definitely, last-minute plans give the most fruitful results. Especially post-pandemic, a discovery states that people are making frequent last-minute bookings and reservations. This represents the willingness of people to travel for giving themselves a break from their routines. Spontaneous travel plans are adding a little crispness to the overall travelling experience. It also motivates a larger proportion of the travelers to promote and preserve the travel culture. Sometimes, a car, some good fun-tastic music, a group of enthusiastic people and a splendid road-trip is just what you need to get mentally re-charged.

5. To travel where it is safe

As we all are aware that "Prevention is better than Cure", Covid has made personal hygiene and safety integral parts of our lives. People tend to follow all the travel guidelines and are also choosing the places which they feel are safe to travel to. Avoiding massive crowds, maintaining social distance, using sanitizers throughout the trip, is what travelers are paying emphasis on. Not just travelers, even tourism authorities and the hotel industries are prioritizing on a complete- "safe travel experience".

Are you too sick of counting days at home and wish to spend few days peacefully? The World is following these trends, what are you waiting for?! Select your destination; prepare your itinerary and just travel. Travel makes memories and memories last forever.

Source: **https://www.forbes.com/sites/lealane/2020/11/19/six-major-2021-travel-trends-show-transforming-effects-of-covid-19/?sh=3214d6b1d3b1**

- MR. KAUSTUBH LATAKE
TE-IT

ACHIEVEMENTS

Prof. Allan Lopes
Attended
A **Webinar**
On
Food, Planet & Health
Conducted By
Vegan Outreach

Manashvini Yadav
Participated In
AI For India Event
To
*Build A Face
Recognition Application
Using Python*
Conducted By
GUVI

TOPPER'S

HEARTIEST CONGRATULATIONS..!!!

THIRD YEAR

Mohini Kathrotiya
Pointer : 9.74 SGPI

Kaushal Singh
Pointer : 9.69 SGPI

Rudra Anirban
Pointer : 9.60 SGPI

SECOND YEAR

Saiprasad Shetty
Pointer : 9.52 SGPI

Ashwin Waghela
Pointer : 9.52 SGPI

Ujala Gupta
Pointer : 9.48 SGPI

**Yash Devani**
Pointer : 9.48 SGPI

Amey Desai
Pointer : 9.48 SGPI

Webinar on Data Analytics

An One Day Webinar on Data Analytics was organized on 10th April 2021 by the Department of Information Technology. The webinar was conducted through Google Meet, there were total 123 number of registered participants.

The main motive of this webinar was to explore key areas as the analytical process, how data is created, stored, accessed, & how the organization works with data and creates the environment in which analytics can flourish. Mr. Bhavya Goradia was the speaker throughout the webinar. He is a Data Scientist & Data Consultant by Profession. He completed M. Tech (Data Science) in NMIMS & B.E Computer Engineering in Universal College of Engineering. The speaker shared his thoughts about Data Science & Analytics, he explained about Automation and recommendation engines, Technical skills and also the current situation of Data Analytics. So it was an instructive webinar for the students.
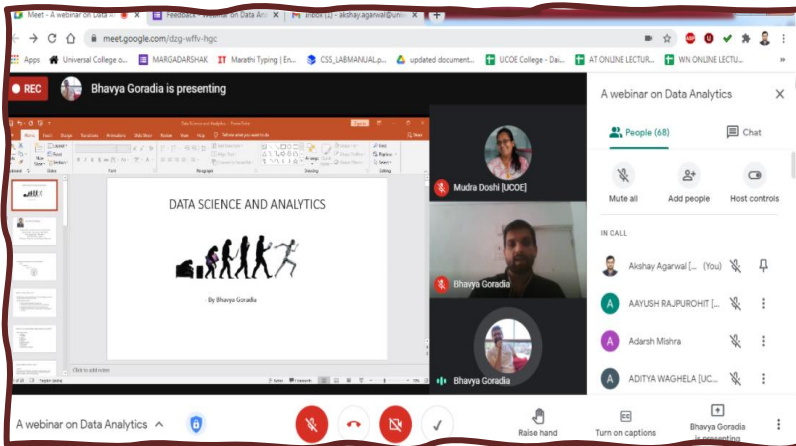
Mr. Bhavya Goradia Explaining What Data Science & Analytics Is

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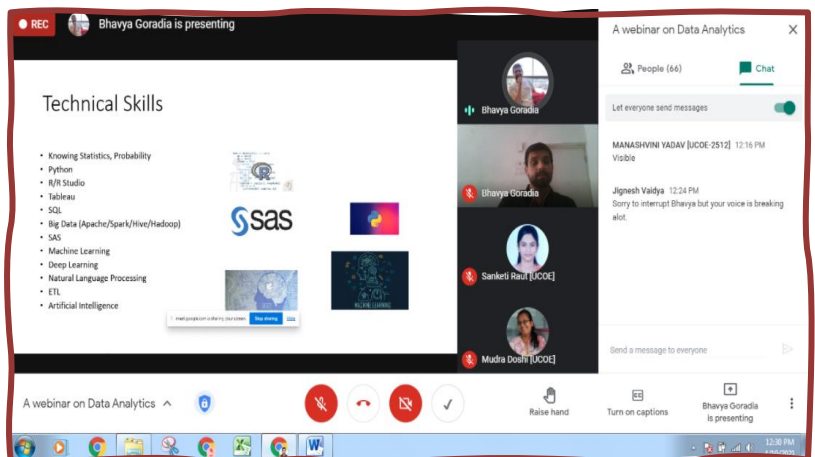
WORLD EARTH DAY - 2021

April 22 is commended as the World Earth Day to exhibit support for the wellbeing of the Earth and raise open mindfulness about the issue. Since 1970, over 190 nations, praise it consistently. This year, consenting to of Paris arrangement adds more criticalness to the significance of World Earth Day. Around 120 nations, including the US and China, will sign this arrangement and vow to deliver laws that will diminish the emanation of ozone harming substances into the climate.

World Earth Day is praised worldwide to make mindfulness about the consistently expanding global warning, to advise openly about the cataclysmic influences it has on our day by day lives, and to teach everybody about techniques to forestall and fix the harm that has been done work date. Different consuming issues identified with environmental change, continually expanding ocean level, exhaustion of the ozone layer, and merciless deforestation are discussed in the open.

Each individual can contribute in their specific manner to make this day a triumph. On this day, a few volunteers go to a close-by land to plant trees for a greener planet while a few volunteers choose to clean neighboring paths or waterways. Various specialists hold hands and attempt to make open mindfulness by making banners, through origami ventures or their works of art.

Long-distance races are sorted out, individuals take an interest in flame light walk, and the nearby bodies organize many Earth day programs. We should hold hands to praise the World Earth Day on April 22 in the manner we can. Indeed, even a little motion like turning off the lights of our home for one hour has a major effect. It is our home, our Earth, and we must fix the harm that we have caused.

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Kaman - Bhiwandi Road, Survey No. 146 (Part), Village: Kaman, Taluka: Vasai, District: Palghar – 401208.