



Chikitsak Samuha's  
Sir Sitaram & Lady Shantabai Patkar College of Arts & Science  
AND V.P.Varde College of Commerce & Economics  
S. V. ROAD, GOREGAON (WEST), MUMBAI-400 104  
(AN AUTONOMOUS COLLEGE AFFILIATED TO  
UNIVERSITY OF MUMBAI)  
"REACCREDITED WITH 'A+' GRADE BY NAAC (3RD  
CYCLE) ISO 9001: 2015, BEST COLLEGE OF 2016-17 , DBT  
STAR SCHEME AWARDEE"



# WEEKEND CHRONICLE

WINDOW TO YOUR  
KNOWLEDGE



AN INITIATIVE BY  
B.M.S DEPARTMENT

MAIL ID:- [bmseperiodical@gmail.com](mailto:bmseperiodical@gmail.com)





## A MESSAGE FROM CHIEF EDUCATION OFFICER'S DESK

Dear Readers,

**“Develop a passion for learning. If you do, you will never cease to grow.” We live today in a world that is so very different from the one we grew up in, the one we were educated in.**

**The world today is moving at such an enhanced rate and we as educationalists need to cause and reflect on the entire system of education. On-line learning provides new age technology to widen the educational scope. It prepares students to succeed in an increasing technology driven global economy. Technology makes life much easier, most of all it saves time and energy. It is one of the fastest growing field right now and there is no sign of stopping anytime soon.**

**It is indeed a great moment for all of us to bring forth this weekly E-Periodical “Weekend Chronicle”. We are sure this E-Periodical will help to acquire knowledge and skills, build character and enhance employability of our young talented students to become globally competent. There is something for everyone here, right from the fields of Business, Academics, Travel and Tourism, Science and technology, Media and lot more. The variety and creativity of the articles in E-Periodical will surely add on to the knowledge of the readers. I am sure that the positive attitude, hard work, continued efforts and innovative ideas exhibited by our students will surely stir the mind of the readers and take them to the fantastic world of joy and pleasure.**

**Dr. Mala Kharkar  
Chief Education Officer  
(Patkar-Varde College)**





## A MESSAGE FROM THE PRINCIPAL'S DESK

**Dear Readers,**

**As we know, “An Investment in knowledge pays the best interest.”**

**Hence in this regard the E-Periodical Weekend Chronicle is playing a vital role in providing a platform to enhance the creative minds of our students of BMS Department.**

**The E-Periodical i.e., online magazine drives us through varied genres containing- News related to Global affairs under departments like Business, Advertisement, IT and Science & Nature to intellectual news articles under Academics, Media and Library Departments. It also covers articles related to Food & Health care, Culture & Cuisine and Travel & Tourism which usually tops our “bucket lists” including article which address societal problems under Department of Social Issues. Lastly covering words and vision of our talented students as budding poets, writers and thinkers under Student’s section Department.**

**Over all this vision of constructing E-Periodical by students will engage today’s youth and the crafters of the youth (teachers) in their communities which is the necessity to overcome hurdles of present reality. We will strive to make a better world through our acts and thoughts. Rather it is a challenge to be met!!!**

**Dr. Shrikant B Sawant  
Principal  
(Patkar-Varde College)**



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BUSINESS

Rs 2 RS 250 TO RS 1,765: THIS STOCK GAVE 600%  
RETURN IN 1 1 YEAR



The share stood at Rs 250.55 on July 20, 2020. It has zoomed to Rs 1,764.95 today, translating into gains of 604 per cent during the period. Share of Rajratan Global Wire Limited has delivered 604 per cent return to its shareholders in the last 12 months. The share stood at Rs 250.55 on July 20, 2020. It has zoomed to Rs 1,764.95 today, translating into gains of 604 per cent during the period. In comparison, Sensex rose 39.5 per cent in one year. Rs 1 lakh invested in the share a year ago would have turned into Rs 7.04 lakh today. The stock rose 5 per cent to hit an intraday high of Rs 1764.95 on BSE today after the company posted healthy June quarter results. The stock has gained 110 per cent in the last three months and risen 304 per cent since the beginning of this year.

With a market capitalisation of Rs 1,792 crore, the share stands higher than 5 day, 10 day, 20 day, 50 day, 100 day, and 200-day moving averages. According to MarketsMojo, the company has declared positive results for the last four consecutive quarters and has a high Return on Capital Employed (ROCE) of 17.58%. The technical trend has improved from Mildly Bullish on May 31, 2021, and the stock is technically in a Bullish range now and has generated a 74.39 per cent return since then. Multiple factors for the stock are Bullish like MACD, Bollinger Band, KST, DOW and OBV

Along with generating 604 per cent return in the last 1 year, the stock has outperformed BSE 500 in the last 3 years, 1 year and 3 months. However, it noted that the valuation is expensive right now. The company posted a net profit of Rs 21.92 crore for the quarter ended June 2021 as against a net profit of Rs 1.65 crore in June 2020. Net Sales stood at Rs 182.29 crore in March 2021 compared to Rs 64.65 crore in March 2020. The earning per share (EPS) has increased to Rs 21.58 in June 2021 from Rs 1.62 in June 2020.

Rajratan Global Wire has signed a memorandum of understanding (MoU) with the Tamil Nadu state government for setting up of new manufacturing facility in Southern India. The company also intends to broaden its customer base across the USA and Europe and noted that the Indian tyre companies are returning to peak capacity utilisations. "Despite FY 2021-22 starting off on a challenging note led by an impact from the second wave of Covid-19, the company has delivered strong performance and growth. This was primarily driven by strong demand from domestic tyre manufacturers as well as exports," said Mr. Sunil Chordia, CMD, Rajratan Global Wire Ltd. "Our timely expansion in India in FY20 (to 72,000 TPA) has started bearing fruits for us as we are aiming to increase the capacity utilisation levels over the current year and next year for the expanded capacity at Pithampur, Madhya Pradesh," he noted.

"Similarly, we have now taken up the expansion of our capacity in Thailand from 40,000 TPA to 60,000 TPA owing to our increased traction in the region as well as increasing market share. Post this expansion (expected by end FY22), Rajratan will become the second-largest bead wire manufacturer in Asia outside China with a combined capacity of 120,000 TPA (for bead wire)," he added. Rajratan Global Wire Limited is an India headquartered tyre ancillary, manufacturing bead wire, a critical component used in the manufacture of tyres. Based out of Indore, Madhya Pradesh, the company has a production capacity of 72,000 TPA of wire (largest bead wire manufacturer) at a single location in India and 40,000 TPA at a single location in Thailand.

Newscaster: - Shruti Bangal  
Freelancer:-Rohit Pawar

Reference Link : [https://www.businesstoday.in/markets/stocks/story/rs-250-to-rs-1765-this-stock-gave-600-return-in-1-year-302048-2021-07-22?utm\\_source=btweb\\_story\\_share](https://www.businesstoday.in/markets/stocks/story/rs-250-to-rs-1765-this-stock-gave-600-return-in-1-year-302048-2021-07-22?utm_source=btweb_story_share)

3 TIPS FOR BUILDING AN  
EFFECTIVE BUSINESS  
WEBSITE



1. Make your site mobile responsive :-

Mobile responsiveness is critical for a website to be effective. American adults spend more than five hours on their mobile phones every day, while more than one-third do all of their shopping online via mobile device. Needless to say, your business's mobile website must offer a positive user experience.

If potential customers land on your site but find it difficult to read or navigate on a mobile device, they may simply abandon you in favor of a competitor. Furthermore, a negative mobile user experience affects your website in search engine rankings, making it harder for users to find through a Google search – which brings us to our next point.

2. Make it easy to find:-

You need a domain name that either matches your company name or describes your business in some way. You can even have multiple domains that point to the website. This means incorporating technical SEO best practices, keyword research, content marketing and paid advertisement campaigns to drive traffic to your website.

3. Place your contact information above the fold :-

If your business depends on people being able to contact you or call your sales team, put that information where they can find it easily.

"Your contact information should be visible, preferably at the top of the homepage, so that visitors don't have to search for a phone number or address if they want to contact the business," said David Brown, CEO of Web.com.

If you use social media to connect with customers, put your social links in the website header or footer, where they are easily found.

Newscaster:- Aakash Bavdankar  
Freelance Reporter:- Rohit Pawar  
Reference link:-

<https://www.businessnewsdaily.com/9811-effective-business-website-tips.html>



ADVERSTIMENT

ACT II POPCORN

Act II is an American brand of microwave popcorn that is ostensibly based on the look and taste of movie theatre popcorn. It is currently made and distributed by conagara brands. Act II was preceded in the popcorn market by Act I, an early microwave popcorn that had to be stored in the refrigerator due to its real butter content. Act I was introduced in 1981. In 1984, Act II, a shelf stable microwave popcorn was released, becoming the first mass-marketed microwave popcorn.



Act II was manufactured by the Golden Valley Microwave Foods (frequently abbreviated as GVMF on the packaging) company of Edina minnesota. GVMF was later bought by ConAgra Foods in 1991. The Edina facility was closed and manufacturing moved to other manufacturing plants in the US and Mexico. The popcorn bag used in Act II was invented by James Watkins, a former engineer for the Pillsbury company in Minneapolis, MN and then Founder/President of Golden Valley Microwave Foods. The new popcorn line is an extension of offerings under ACT II brand. ACT II popcorn is already available in instant and microwave range. AgroTech Foods Ltd. has launched new line of Ready-to-Eat (RTE) Act II popcorn making it easy to enjoy popcorn at home, work, school or on-the-go. Act II popcorn is available in four delicious and tempting flavours: Spicy Pudina, Fundoo Masala, Tomato Chilly and Cheese Masala, priced at Rs.5 for 10 grams pack.

The new popcorn line is an extension of offerings under ACT II brand. ACT II popcorn is already available in instant and microwave range.

Ready-to-Eat Act II popcorn is air popped to ensure quality, crispness, freshness. The product also provides health benefits as it is high in dietary fiber. Special care has been taken in manufacturing and packaging of the product, to maintain its crispiness and crunchiness. Ready-to-Eat Act II popcorn is the outcome of intensive consumer research on various parameters like flavour, quality, ingredients etc.

Newly launched Act II Ready to eat popcorn available in 4 flavours, priced at Rs 5 for 10 grams pack

Speaking about the launch, Asheesh Sharma, Head of Marketing, AgroTech Foods Ltd. said, “We want to offer consumers healthier & convenient choices within our portfolio and Act II Ready to Eat Popcorn is a step in that direction. We are excited to launch our Ready-to-Eat Act II popcorn. Consumers are looking for convenient snacks without compromising on quality or taste. ACT II fills a void for popcorn lovers looking for delicious, premium and wholesome popcorn at an affordable price point.”

Popcorn: For Your Health

These days, Americans are snacking more than ever. In fact, roughly 25% of the total calories we eat every day come from snacks, which is why it's important to choose foods that fit into our healthy lifestyles.

One way we can snack smarter is by adding more whole grains and fiber to our diets. Only 20% of Americans reach the recommended whole-grain intake, and only 5% reach the recommended fiber amount.

Luckily for us, popcorn provides both of these nutrients, especially compared to other common snacks like chips and candy. Studies have even shown that popcorn eaters have twice the amount of whole grains in their diet and about 20% more fiber.

Another reason popcorn should be your snack of choice is because you can eat more for fewer calories. Other snacks can have triple the amount of calories in a 1-cup serving. So next time you're craving a snack, choose the one that allows you to have all of the flavor, with none of the guilt.

How Popcorn Pops

Popcorn is a whole-grain maize product, grown extensively in the corn belt states of the U.S. It's like corn-on-the-cob in appearance and cultivation, but only popcorn kernels are capable of popping.

Popcorn's ability to pop lies in the fact that the kernels contain a small amount of water stored in a circle of soft starch inside the hard outer casing. When heated, the water expands, creating pressure within, until eventually the casing gives way and the kernels explode and pop. This allows the water to escape as steam, turning the kernels inside out.

The key to having more kernels pop is a constantly improved product. Throughout the years, popcorn processors have implemented significant hybrid popcorn seed research to continually enhance their product.

Name- Mahima Desai  
Freelancer reporter- Seema Samantha  
Link:- [www.marketingdive.com/popcornactii/brandless](http://www.marketingdive.com/popcornactii/brandless)

STARBUCKS



Not only does Starbucks go through mounds of coffee beans to satiate its raving fans, but they also have mounds of data that they leverage in many ways to improve the customer experience and their business. With 90 million transactions a week in 25,000 stores worldwide the coffee giant is in many ways on the cutting edge of using big data and artificial intelligence to help direct marketing, sales and business decisions. When Starbucks launched its rewards program and mobile app, they dramatically increased the data they collected and could use to get to know their customers and extract info about purchasing habits. The mobile app has more than 17 million and the reward program has 13 million active users. These users alone create an overwhelming amount of data about what, where and when they buy coffee and complementary products that can be overlaid on other data including weather, holidays and special promotions. Here are just some of the ways that Starbucks uses the data it collects.

Members of the rewards program and mobile app authorize Starbucks to gather a lot of info about their coffee-buying habits from their preferred drinks to what time of day they're usually ordering. So, even when people visit a “new” Starbucks location, that store's point-of-sale system is able to identify the customer through their smartphone and give the barista their preferred order. In addition, based on ordering preferences, the app will suggest new products (and treats) customers might be interested in trying. This Intel is driven by the company's digital flywheel program, a cloud-based artificial intelligence engine that's able to recommend food and drink items to customers who didn't even know, yet, they wanted to try something new. It's so sophisticated that the recommendations will change based on what makes the most sense according to the day's weather, if it's a holiday or a weekday, and what location you're at.

Name- Vaishnavi Chavan  
Freelancer Reporter Name:- Seema Samantha  
Link:<https://www.forbes.com/sites/bernardmarr/2018/05/28/starbucks-using-big-data-analytics-and->



## INFORMATION & TECHNOLOGY

### 5 BEST INTERNET OF THINGS DEVELOPMENT PLATFORMS IN 2021



#### Here are Internet of Things platforms that are booming

According to the latest study, the number of Internet of Things and connected devices is likely to increase to 75million by 2025.we are here with the 5 best Internet of Things development platforms in 2021.

#### **1.Google Cloud IoT**

Google has launched its platform for the IoT development tools based on its end-to-end Google Cloud Platform. This is one of the world's leading Internet of Things platforms.

#### **2.Cisco IoT Cloud Connect**

Cisco IoT Cloud Connect is created with mobile operators in mind. Cisco gives reliable IoT hardware, routers, gateways, and other devices.

#### **3.IRI Voracity**

The IRI Voracity platform uses two engines Hadoop and IRI CoSort to process big data. It allows users to manage, discover, analyze, transform, and migrate data.

#### **4.Particle**

Particle provides edge-to-cloud IoT development tools for global devices and hardware solutions.

#### **Salesforce IoT Cloud**

Salesforce IoT Cloud focuses on customer relationships management. The main features of Salesforce IoT Cloud core functions are complete customer, product, and CRM integration, websites, services, and other support third-party products, and proactively resolve customer's problems and needs.

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Ref:-: [www.analyticsinsight.net](http://www.analyticsinsight.net)  
Freelance reporter:-Shivani muthyala  
Newscaster:- Rohit gupta

### IT DEVELOPMENT IN BANGALORE

Computers, satellites and other modern means of communication have helped in the development of information technology.



It has given the ability to store, process and distribute information at a great speed.

All computers and machines are referred to as hardware and the programmes used in them are called software.

Today this industry has become global. Two centers in which this IT revolution has taken place and silicon valley in the USA and Bengaluru in India. India is the largest IT solutions industry in the world. India is not just a favoured outsourcing destination, it is also coming forward with new research. The industry employs about 10 million people as its workforce. The IT industry has also created significant demand in the Indian education sector, especially for engineering and computer science.

Bengaluru, the capital of Karnataka is often referred to as the silicon valley of India as it is a major industrial center of information technology with the highest number of software companies.

Refrence link: <https://www.toppr.com>  
Newscaster : Swaraj Indap  
Freelance reporter: Arsh Shrivastav



SCIENCE & SPACE

RICHARD BRANSON TAKES OFF FIRST  
IN SPACE TOURISM RACE



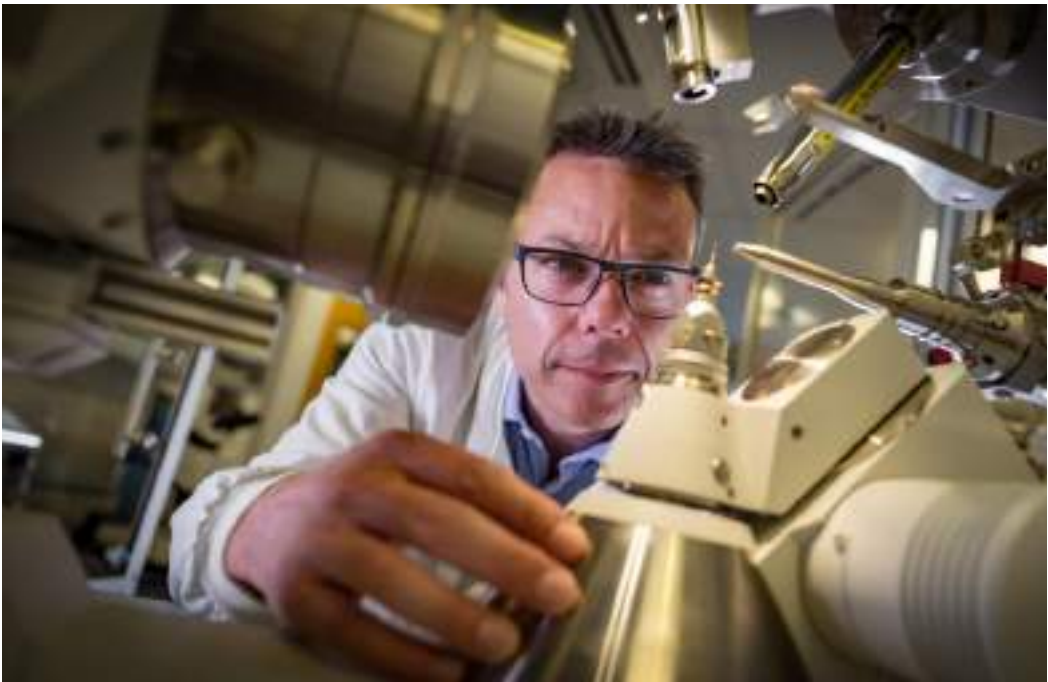
Billionaire Richard Branson floats in zero gravity on board Virgin Galactic's passenger rocket plane VSS Unity after reaching the edge of space above Spaceport America near Truth or Consequences, New Mexico, U.S. July 11, 2021 in a still image from video. The nearly 71-year-old Mr. Branson and five crewmates, including aeronautical engineer Sirisha Bandla, from his Virgin Galactic space tourism company reached an altitude of about 88 kilometres over the New Mexico desert — enough to experience three to four minutes of weightlessness and see the curvature of the Earth — and then safely glided back home to a runway landing. Mr. Branson became the first person to blast off in his own spaceship, beating Mr. Bezos by nine days. He also became only the second septuagenarian to depart for space. (John Glenn flew on the shuttle at age 77 in 1998.) With about 500 people watching, including Mr. Branson’s wife, children and grandchildren, a twin-fuselage aircraft with his space plane attached underneath took off in the first stage of the flight.

The space plane then detached from the mother ship at an altitude of about 13 kilometres) and fired its engine, reaching the edge of space. The entire flight up and back aboard the sleek white ship, named Unity, took just under 15 minutes. The flamboyant, London-born founder of Virgin Atlantic Airways wasn’t supposed to fly until later this summer. But he assigned himself to an earlier flight after Mr. Bezos announced plans to ride his own rocket into space from Texas on July 20, the 52nd anniversary of the Apollo 11 moon landing. Mr. Branson, who has kite-surfed the English Channel and attempted to circle the world in a hot-air balloon, denied he was trying to beat Mr. Bezos.

Freelance Reporter: Naima bhatta  
Newscaster: Ashutosh Keni

SCIENTISTS ACCIDENTALLY CREATE  
MUTANT ENZYME THAT EATS PLASTIC  
BOTTLES

Scientists have created a mutant enzyme that breaks down plastic drinks bottles – by accident. The breakthrough could help solve the global plastic pollution crisis by enabling for the first time the full recycling of bottles. The new research was spurred by the discovery in 2016 of the first bacterium that had naturally evolved to eat plastic, at a waste dump in Japan. Scientists have now revealed the detailed structure of the crucial enzyme produced by the bug. The international team then tweaked the enzyme to see how it had evolved, but tests showed they had inadvertently made the molecule even better at breaking down the PET (polyethylene terephthalate) plastic used for soft drink bottles. “What actually turned out was we improved the enzyme, which was a bit of a shock,” said Prof John McGeehan, at the University of Portsmouth, UK, who led the research. “It’s great and a real finding.” The mutant enzyme takes a few days to start breaking down the plastic – far faster than the centuries it takes in the oceans. But the researchers are optimistic this can be speeded up even further and become a viable large-scale process. “What we are hoping to do is use this enzyme to turn this plastic back into its original components, so we can literally recycle it back to plastic,” said McGeehan. “It means we won’t need to dig up any more oil and, fundamentally, it should reduce the amount of plastic in the environment.” About 1m plastic bottles are sold each minute around the globe and, with just 14% recycled, many end up in the oceans where they have polluted even the remotest parts, harming marine life and potentially people who eat seafood. “It is incredibly resistant to degradation. Some of those images are horrific,” said McGeehan. “It is one of these wonder materials that has been made a little bit too well.” However, currently even those bottles that are recycled can only be turned into opaque fibres for clothing or carpets. The new enzyme indicates a way to recycle clear plastic bottles back into clear plastic bottles, which could slash the need to produce new plastic.



News caster – Gunesh Khadtale  
Freelancer – Naima Bhatt



NATURE

NATURE IS A BOON

Nature is an important and integral part of mankind. It is one of the greatest blessings for human life however, nowadays humans fail to recognize it as one. Nature has been an inspiration for numerous poets, writers, artists and more of yesteryears. This remarkable creation inspired them to write poems and stories in the glory of it. They truly valued nature which reflects in their works even today. Essentially, nature is everything we are surrounded by like the water we drink, the air we breathe, the sun we soak in, the birds we hear chirping, the moon we gaze at and more. Above all, it is rich and vibrant and consists of both living and non-living things. Therefore, people of the modern age should also learn something from people of yesteryear and start valuing nature before it gets too late



Nature has been in existence long before humans and ever since it has taken care of mankind and nourished it forever. In other words, it offers us a protective layer which guards us against all kinds of damages and harms. Survival of mankind without nature is impossible and humans need to understand that.

If nature has the ability to protect us, it is also powerful enough to destroy the entire mankind. Every form of nature, for instance, the plants, animals, rivers, mountains, moon, and more holds equal significance for us. Absence of one element is enough to cause a catastrophe in the functioning of human life .We fulfill our healthy lifestyle by eating and drinking healthy, which nature gives us. Similarly, it provides us with water and food that enables us to do so. Rainfall and sunshine, the two most important elements to survive, are derived from nature itself .

News-caster- Gaurav Patil  
Freelancer reporter -Aditya Nikam  
Reference: <https://www.toppr.com/guides/essays/nature-essay/>

THE BEAUTY OF SUNSET

Why is it that when our eyes fix onto the warm colours of the setting sun we are transported to an enchanted world? Most people can agree that a good sunset holds the power to stop just about anyone in their track’s studies have even shown that instances of awe in watching sunsets cause psychological effects that enhance long-lasting satisfaction in life. sunset possesses the promise of a new day. With the sun’s last rays peeking out from the horizon comes the realization that tomorrow holds endless possibilities. You know it won’t last, but you savour every last bit of that fleeting beauty.



The beautiful sunset is marked by colourful sky, clouds reflections and soothing tunes of the birds. The rays of a setting sun have a combination of colours that make an evening look beautiful and admirable. The rays, which range from blue and violet to red and orange form long colourful rays far into the atmosphere. The air at this time smells fresh and clean making even the old feel like new-born babies. Additionally, the harmonious whistling of the wind makes the sunset even more attractive. These attributes of the sunset have made the sunset inspiring to the soul, body and mind.

An extended sunset gives the viewer an opportunity to follow the proceedings of a sunset. Most sunsets are short lived and do not offer ample time to have an exclusive view. It also different how it feels when One is outside watching the sunset and relaxing from the hard daily chores. While the beautiful sun is setting and a couple is out watching the sunset and sharing stories, it becomes one of their best experiences.

News-caster: - Aakanksha Patankar  
Freelance reporter’s: -Aditya Nikam  
Reference <https://customessayclub.com/essay-beautiful-sunset/>



RESEARCH

THERE MAY NOT BE A CONFLICT AFTER ALL' IN EXPANDING UNIVERSE DEBATE

Our universe is expanding, but our two main ways to measure how fast this expansion is happening have resulted in different answers. For the past decade, astrophysicists have been gradually dividing into two camps: one that believes that the difference is significant, and another that thinks it could be due to errors in measurement.



If it turns out that errors are causing the mismatch, that would confirm our basic model of how the universe works. The other possibility presents a thread that, when pulled, would suggest some fundamental missing new physics is needed to stitch it back together. For several years, each new piece of evidence from telescopes has seesawed the argument back and forth, giving rise to what has been called the 'Hubble tension.'

Wendy Freedman, a renowned astronomer and the John and Marion Sullivan University Professor in Astronomy and Astrophysics at the University of Chicago, made some of the original measurements of the expansion rate of the universe that resulted in a higher value of the Hubble constant. But in a new review paper accepted to the Astrophysical Journal, Freedman gives an overview of the most recent observations. Her conclusion: the latest observations are beginning to close the gap. That is, there may not be a conflict after all, and our standard model of the universe does not need to be significantly modified. The rate at which the universe is expanding is called the Hubble constant, named for UChicago alum Edwin Hubble, SB 1910, PhD 1917, who is credited with discovering the expansion of the universe in 1929. Scientists want to pin down this rate precisely, because the Hubble constant is tied to the age of the universe and how it evolved over time.

News caster- Aditya Nikam  
Freelance reporter- Aakash Bavdankar  
Reference link-

<https://www.sciencedaily.com/releases/2021/06/210630091358.htm>

NEXT GENERATION GASOLINE ENGINE

SKYACTIV-X next-generation gasoline engine Featuring Spark-Controlled Compression Ignition, a never-before-seen combustion method, Mazda’s SKYACTIV-X engine represents the second step in Mazda’s quest to develop a gasoline engine with the ideal, internal combustion mechanism. Developing compression ignition for gasoline engines has long been a goal of engineers.



In the SKYACTIV-X, spark plug ignition is used to control compression ignition, resulting in dramatic improvements across a range of important performance indicators. The SKYACTIV-X is a groundbreaking new engine exclusive to Mazda in which the benefits of a spark-ignition gasoline engine expansiveness at high rpms and cleaner exhaust emissions have been combined with those of a compression-ignition diesel engine superior initial response and fuel economy to produce a crossover engine that delivers the best of both worlds. Coming after Mazda’s SKYACTIV-G gasoline engine and SKYACTIV-D diesel engine, this third SKYACTIV engine has been given the new name of “X” in recognition of this dual role.

Mazda believes that there is still ample room for further evolution of the internal combustion engine and that this technology has the potential to contribute in a major way to conservation of our global environment. Based on Mazda’s corporate vision of protecting our beautiful planet while enriching people’s lives through the “joy of driving,” we plan to continue on our ceaseless quest to develop the ideal combustion engine.

News caster – Aneesh Nikam  
Freelance reporter – Aakash Bavdankar  
Reference link - <https://en.m.wikipedia.org/wiki/Skyactiv>



ACADEMICS

BENEFITS OF ONLINE LEARNING



For those who do have access to the right technology, there is evidence that learning online can be more effective in a number of ways. Some research shows that on average, students retain 25-60% more material when learning online compared to only 8-10% in a classroom. This is mostly due to the students being able to learn faster online; e-learning requires 40-60% less time to learn than in a traditional classroom setting because students can learn at their own pace, going back and re-reading, skipping, or accelerating through concepts as they choose.

Nevertheless, the effectiveness of online learning varies amongst age groups. The general consensus on children, especially younger ones, is that a structured environment is required, because kids are more easily distracted. To get the full benefit of online learning, there needs to be a concerted effort to provide this structure and go beyond replicating a physical class through video capabilities, instead, using a range of collaboration tools and engagement methods that promote “inclusion, personalization and intelligence. It is clear that this pandemic has utterly disrupted an education system that many assert was already losing its relevance. In his book, 21 Lessons for the 21st Century, scholar Yuval Noah Harari outlines how schools continue to focus on traditional academic skills and rote learning, rather than on skills such as critical thinking and adaptability, which will be more important for success in the future. Could the move to online learning be the catalyst to create a new, more effective method of educating students? While some worry that the hasty nature of the transition online may have hindered this goal, others plan to make e-learning part of their ‘new normal’ after experiencing the benefits first-hand.

Newcaster: Pallavi Pawar  
Freelancer: Om Satelkar  
Reference link: [WWW.Weforum.org](http://WWW.Weforum.org)

TECHNOLOGY IN  
EDUCATION

A typical classroom was once characterized by students sitting through hour-long teacher lectures. Now it is changing gradually. Recently more than 12,000 schools across 560 districts in India have adopted smart classes. This means that classrooms are adopting technology by having digital learning tools, such as computers, printers, projectors etc. ‘Eye work more than ears’ is the mantra behind the widespread usage of these tools.



The digital learning is user-friendly, self-explanatory and makes the process more interesting. Use of graphics simplifies the concept of difficult subjects like Maths, Biology, Chemistry, and Physics. It increases the student’s engagement and motivation and accelerates learning. Even for toddlers, digital learning/technology involves the use of all their senses while learning in a very playful manner. With technology, educator, students and parents have a variety of learning tools at their fingertips. Here are some ways in which technology has improved education over a span of time. Technology supports learning 24\*7 and builds a 21st century skills. It expands course offering and learning materials. Teachers can now communicate with other across the world, meet the shortcomings of their work, thus providing their students immediate access to abundance of quality information which leads to learning at a much quicker rate than before. Education is about learning skills and knowledge. It also means helping people to learn how to do things and support them to think about what they learn. It's also important for educators to teach ways to find and use information. Through education, the knowledge of society, country, and of the world is passed on from generation to generation. Education may help and guide individuals from one class to other. Educated individuals and groups can do things like, help less educated people and encourage them to get educated.

Newscaster – Anushka Rajpurkar  
Freelance Reporter – Om Satelkar  
Reference: - [Aplustopper.com](http://Aplustopper.com)







ARTS

ABOUT ART - WHAT IS IT?



This question pops up often, and with many answers. Many argue that art cannot be defined. We could go about this in several ways. Art is often considered the process or product of deliberately arranging elements in a way that appeals to the senses or emotions. It encompasses a diverse range of human activities, creations and ways of expression, including music, literature, film, sculpture and paintings. The meaning of art is explored in a branch of philosophy known as aesthetics.

Art is generally understood as any activity or product done by people with a communicative or aesthetic purpose—something that expresses an idea, an emotion or, more generally, world view.

It is a component of culture, reflecting economic and social substrates in its design. It transmits ideas and values inherent in every culture across space and time. Its role changes through time, acquiring more of an aesthetic component here and a socio-educational function there. Everything we’ve said so far has elements of truth but is mainly opinion. According to Wikipedia, “Art historians and philosophers of art have long had classificatory disputes about art regarding whether a particular cultural form or piece of work should be classified as art.”



The definition of art is open, subjective, debatable. There is no agreement among historians and artists, which is why we’re left with so many definitions of art. The concept itself has changed over centuries. The very notion of art continues today to stir controversy, being so open to multiple interpretations. It can be taken simply to mean any human activity, or any set of rules needed to develop an activity. This would generalize the concept beyond what is normally understood as the fine arts, now broadened to encompass academic areas. The word has many other colloquial uses, too.

In this article, we mean art as a form of human expression of a creative nature

**Newscaster :Arya Nilesh Vartak**  
**Freelancer : Gauri Pawar**  
**Reference Link :<https://www.smashingmagazine.com/2010/07/what-do-we-really-mean-by-art/>**

BHIL ART



Article tells about the nature of Bhil Art, how to do, what is unique about it and story in brief of Bhuru Bai a renowned artist who was awarded the Padma Shri in 2021.

It is often said that to know the art form of a particular place is to know the place itself. If that is true then to look at Bhil Art is to enter the house of the artists themselves to experience first-hand this intimate art form from Central India.

The Bhils are the second largest adivasi community in India residing in Madhya Pradesh, Gujarat, Maharashtra and Rajasthan. Some Bhils trace their ancestry to Eklavya, the archer from Mahabharata.

Traditionally, the art of the Bhil folk would adorn the clay walls of their village homes. Beautiful images would be painted with neem sticks and other twigs and natural dyes would be used. Turmeric, flour, vegetables, leaves and oil were used to derive brilliant colours to make fascinating frescoes on floors and walls.

Moving through Dots and Colours -



One look at a Bhil painting and you will immediately begin to recognize it anywhere you see the art form. Bhil paintings usually consist of large, un-lifelike shapes of everyday characters filled with earthy, yet bright colours.

The dots on a Bhil painting are not random. They are patterns that could be made to represent anything that the artists wish to, from ancestors to deities.

An Honest Depiction of Real Life -

Bhil Art is an instinctive and primordial born out of an ancient connection with nature. The Bhils are largely an agricultural community whose lives are centred around the land they work on. What makes the art extra special is that it has travelled down generations with most artists learning it from their mothers.

**Newscaster - Piyush Vishwakarma**  
**Freelancer Reporter - Gauri Pawar**  
**Reference Link - [www.esamskriti.com](http://www.esamskriti.com)**



HISTORY

SUVARNADURG FORT



Suvarnadvurg is a fort that is located between Mumbai and Goa on a small island in the Arabian Sea, near Harnai in Konkani, along the West Coast of India, in the Indian state of Maharashtra. The fort also includes another small land fort called the Kanakadvurga at the base of headland of Harnai port on the coast. Building of the fort is credited to Chhatrapati Shivaji Maharaj, founder of the Maratha Empire, in 1660. Subsequently, Chatrapati Shivaji Maharaj, other ttraPeshwas and the Angres further fortified the forts for defence purposes. The literal meaning of Suvanadvurga in Marathi language is "Golden Fort" as it was considered as the pride or the "feather in the golden cap of Marathas". Built by Adilshah Navy for defence purposes, the fort also had a shipbuilding facility. The basic objective of establishing the fort was to counter enemy attacks, mainly by the colonialists of Europe and also by the local chieftains. In the past, the land fort and the sea fort were connected by a tunnel, but this is now defunct. The present approach to the sea fort is only by boats from the Harnai port on the headland. It is a protected monument. The fort was captured by Chatrapati Shivaji Maharaj in 1660 by defeating Ali Adil Shah II (1656–1672). Kanhoji Angre (1667–1729), popularly known as "Samudratla Shivaji" (Shivaji of the sea) was the Koli Admiral of the Maratha Navy; in 1696, Kanhoji's naval fleet was stationed here. However, the fort was formally handed over to Kanhoji in 1713 by Shahu Raja. Kanhoji Angre who was also known as Angria was appointed in 1698 as Admiral of the Maratha Naval Fleet by the Peshwas. He had complete control over the west coast, from Bombay to Vengurla, except for the fort of Janjira, which remained with the Siddis (for 200 years).

Newscaster- Gaurav Bhamare  
Freelance Reporter- Ashutosh Keni  
Reference:<https://en.m.wikipedia.org>

JOHN GEORGE (JACK) PHILLIPS



Jack Phillips was a 25-year-old senior wireless operator aboard RMS Titanic, which tragically sank in the North Atlantic following a collision with an iceberg on April 14, 1912. He and Harold Bride, a junior wireless operator, were responsible for all communications for both passenger and liner messages. Jack and Harold would therefore relay iceberg warning messages from nearby ships to Captain Edward J. Smith. It had a range of 250-400 miles in daytime and at night, when conditions for transmitting and receiving were more favorable, it occasionally spanned 2,000 miles. It is recorded that Jack had confided in a friend that while he was proud to be chosen to serve on the Titanic he would have preferred a smaller vessel. Jack expressed a dread of icebergs. In the 24 hours preceding the fateful collision with an iceberg on the 14th April 1912, the two wireless operators had been busy repairing a fault in the transmitter. Thus, on impact, the iceberg inflicted considerable damage to many of the watertight compartments, causing it to sink at the bow. As soon as Captain Smith and the ship's designer, Thomas Andrews, realized the ship would sink in a matter of hours, both Phillips and Bride worked tirelessly, sending SOS Morse code messages to any and all nearby liners. As the ship started to make its descent into the North Atlantic Ocean, Captain Smith declared every man for himself. While Bride worked with other passengers and crew to throw chairs into the water, Phillips remained at his post to communicate with other ships until the very last minute, which resulted in him tragically losing his life aboard the ill-fated liner. Without his tireless work and heroic actions, RMS Carpathian would never have saved the 705 passengers and crew in the lifeboats and water.

Newscaster- Madhura Balgude  
Freelance Reporter- Ashutosh Keni  
Reference: [ndex.php?page=jack-phillips-  
www.godalmuseum.org.uk/iand-the-titanic](http://ndex.php?page=jack-phillips-www.godalmuseum.org.uk/iand-the-titanic)



LIBRARY

PUBLIC LIBRARIES EMBRACE CITIZEN SCIENCE: STRENGTHS AND CHALLENGES

Can citizen science be implemented at each library? The other activity consisted of co-creating a citizen social science project and involved 40 library users, seven librarians from three different cities, and professional scientists.



Public libraries face a paradigm shift in their community role sparked by societal changes and the impact of more open, transparent and democratic ways of understanding knowledge production and access fostered by the digital revolution. Public libraries have thus modified the services they provide, from delivering public Internet access, to offering digital media content, and developing and supporting activities aimed at promoting access to knowledge through experimentation and innovative and creative methodologies, as in the case of Bibliolab (Barcelona, Spain). A recent survey reports that in 2018, 39.9% of the population in the Spanish region of Catalonia had visited a public library in the previous year, and that figure has increased compared to 2013 when 33.9% declared visiting a public library prior to the survey.

Libraries are thus seen as transcultural and transgenerational meeting spaces where knowledge is shared and communicated beyond disciplinary boundaries, and which may facilitate social changes through fostering curiosity, knowledge, culture and science. They could thus be conceived of as spaces where people, groups and communities practice CS to build community and citizenship, which may be considered the main strength behind further embracing CS practices in public libraries.

Newscaster: - Asmita Dhumane  
Freelancer: - Jatin Bisht

Reference:<https://www.sciencedirect.com/science/article/abs/pii/S0740818821000207>

THE HOUSE OF WISDOM LIBRARY

The House of Wisdom also known as the Grand Library of Baghdad, refers to either a major Abbasid public academy and intellectual center in Baghdad or to a large private library belonging to the Abbasid Caliphs during the Islamic Golden Age. The Iraqi city of Baghdad was once one of the world’s centers of learning and culture, and perhaps no institution was more integral to its development than the House of Wisdom. First established in the early ninth century A.D. During the reign of the Abbasids, the site was centered around an enormous library stocked with Persian, Indian and Greek manuscripts on mathematics, astronomy, science, medicine and philosophy.

The books served as a natural draw for the Middle East’s top scholars, who flocked to the House of Wisdom to study its texts and translate them into Arabic. Their ranks included the mathematician al-Khwarizmi, one of the fathers of algebra, as well as the polymath thinker al-Kindi, often called “the Philosopher of the Arabs. The House of Wisdom is the subject of an active dispute over its functions and existence as a formal academy, an issue complicated by a lack of physical evidence following the collapse of the Abbasid Caliphate and a reliance on corroboration of literary sources to construct a narrative.



The House of Wisdom was founded either as a library for the collections of the Caliph Harun al-Rashid in the late 8th century (or was a private collection created by Al-Mansur (reign 754–775) to house rare books and collections of poetry in both Arabic and Persian. On February 13, 1258, the Mongols entered the city of the caliphs, starting a full week of pillage and destruction.

Newscaster: - Bhakti Dighe  
Freelancer: - Jatin Bisht



FOOD & HEALTHCARE

HEALTHY LIFESTYLE FOR  
STUDENTS AND CHILDREN



It is said that it is easy to learn and maintain bad habits but it is very difficult to switch them back. The issue of a healthy lifestyle is very serious but the people take it very lightly. Often, it is seen that the people take steps to improve their lifestyle but due to lack of determination quits in the midway. Moreover, for a healthy lifestyle is it important that you take small and one-step at a time. Also, do not go overboard with it. Besides, this healthy lifestyle will help you in life in a lot of ways.

Habits That keeps You Healthy

For keeping your body and mind healthy you have to follow certain rules that will help you achieve your goal. Besides, there are certain measures that will help you to stay healthy. First of all, for being healthy you have to plan and follow a strict diet. This diet should contain all the essential minerals and vitamins required by the body. Also, eat only healthy food and avoid junk and heavily carbohydrate and fatty food. In addition, wake up early in the morning because first of all, it's a healthy habit. Secondly, waking up early means you can get ready for your work early, spend some quality time with your family. Besides, this decides time for your sleep and sleep early because it de-stresses body. Doing exercise regularly makes your body more active and it also releases the pent-up stress from the muscles.

Avoid the mobile- the biggest drawback of this generation is that they are obsessed with their mobile phones. Moreover, these phones cause many physical and mental problem for them. So, to avoid the negative effects of mobile the usage volume of them should be reduced.

Connecting with positive minds because the more you indulge with these people then less you will go to the negative side. The things that should be avoided for a healthy lifestyle:- We knew that there are several bad habits that affect our healthy lifestyle. These habits can cause much harm to not only to the body but to the society too. In addition, these habits are also the cause of many evils of society. The major healthy lifestyle destroying habits are smoking, drinking, junk food, addiction, meal skipping, and overuse of pills. All these activities severely damage body parts and organs which cannot be replaced easily. Besides, they not only cause physical damage but mental damage too.

Newscaster- Siddharth Gite  
Freelance- Shreyas Bane

Reference- <https://www.aplustopper.com/healthy-lifestyle-essay/>

MONSOON DIET TIPS: FEELING TIRED?  
TRY THESE 7 IRON-RICH FOODS TO  
BOOST ENERGY



Monsoon Diet Tips: Iron helps cure anaemia, boosts immunity and elevates energy levels. So this rainy season, load up on some iron-rich foods and enjoy your days the healthier way!

With the pitter-patter on your window panes, you feel like slumping more often these days, right? You could say you feel sluggish today because of the droning rains outside and the soothing cold weather. But, are you sure? Fatigue can sometimes suggest a tad bit of shortage of iron in your body.

7 Iron-Rich Foods To Load Up On This Monsoon:

Green Vegetables:

Spinach is in season and it's time to bring it on your plate. Dark green vegetables are one of the richest sources of iron.

Nuts And Dry Fruits:

You should hoard cashew nuts, apricots, almonds, walnuts, raisins and dates if you want to snack on some iron-rich food. They are never out of season.

Legumes:

When mom serves you lentils, don't say no. Lentils are a good way to intake iron. You can also try soybean. Tofu, made of soybeans, is a good way to get the nutrients.

Chicken:

Lean poultry meat, especially the chicken liver, is rich in heme iron, which is more readily absorbed by our body than iron.

Dark Chocolate:

The darker it gets, the better for your health. Dark chocolate, with at least 55% cocoa, can provide you with a good dose of iron and antioxidants.

Facts:

Iron can cure you of anemia and elevate your energy levels. Iron can boost your immune system, help the gastrointestinal processes.

Newscaster: Yashhashree Godbolle  
Freelancer- Shreyas Bane

Reference: <https://food.ndtv.com/food-drinks/monsoon-diet-tips-feeling-tired-try-these-7-iron-rich-foods-to-boost-energy->



CULTURE & CUISINE

WHAT IS FOOD CULTURE AND  
HOW DOES IT IMPACT HEALTH?



Food is the great unifier that connects us across cultures and generations. We have all had those moments when we smelled something that reminded us of our childhood, or recreated a dish that we had abroad that immediately brought us back to that foreign place. Food is such an important way that we as people are able to relate to one another.

Different food cultures around the world:

There are many different food cultures of the world, some more distinctive and globally famous than others, and some which very rarely leave their regional environment but are still just as significant to the local community they influence.

Different food cultures around the world are influenced by many factors, but the most noticeable is arguably the way in which different food cultures utilize specific ingredients and spices to evoke unique flavor profiles that define their food culture.

How food culture impacts health?

But what does food culture have to do with ones health? Well — everything.

Without a food culture food becomes something that we manipulate for personal gain. It stops being something that we respect, and instead becomes something that we aim to control, and the more we aim to control our food the less we truly value and experience it.

Because food cultures are deeply routed parts of our natural history that have evolved and developed overtime, they are essential parts of how we support our overall health and nourish our bodies. However, over the past half century within the United States especially, commercially processed foods and the insurgence of supermarkets and marketed diet culture have disconnected many Americans with their traditional food culture to the point where they may not even recognize it anymore.

Newscaster : Renuka Karande  
Freelancer : Adesh Shinde

Reference link :- <https://www.thewellnessentials.com/blog/what-is-food-culture-and-what-does-it-have-to-do-with-our-health>

TRADITIONAL MALDIVIAN !!

Today, traditional Maldivian cuisine is based on three main ingredients and their derivatives, namely coconut, fish, and starches containing grains and vegetables. The delicious food boasts a distinct tang made up of mild spiciness, delicate sweetness, and an overall exotic taste, and is prepared using ancient cooking traditions that have been passed down through the generations.



Coconut:



Coconuts, called ‘Kurumba’ in Dhivehi, are grown on every island in the Maldives and are such a vital part of the culture and cuisine that the coconut palm has been declared the country’s national tree. One of the main ingredients in Maldivian cuisine, the coconut is used in a variety of forms from grated and shaved to a liquid form such as coconut milk, and as oil in dishes that are deep-fried.

Curries:



Curries are one of the most popular dishes in Maldivian cuisine and vary from fish and chicken curries to vegetables curries, rich with spices and exotic flavours. Top of the curry dishes is Mas Riha, which is made with diced fresh tuna, coconut, peppers and plenty of fresh chillies, while a chicken curry known as Kukulhu Riha is also a favourite filled with a different mixture of spices.

Starches:

Starches are a staple in Maldivian cuisine and are used in a variety of forms, including tubers such as cassava [dandialuvi], sweet potatoes [ Kattala ], and taro [ ala], fruits like breadfruit [bambukeyo] or screwpine and rice, which is ground into flour or eaten boiled. While the screwpine fruit is mostly eaten raw after having been cut into thin slices.

Newscaster : Siddhi Karekar  
Freelancer : Adesh Shinde

Reference: <https://www.themaldivesexpert.com/1659/traditional-maldivian-cuisine/>



TRAVEL & TOURISM

ECO-COTTAGE FACILITIES IN ODISHA SOON



Odisha state government has started the process of setting round-the-year eco-cottages at selected destinations, following successful arrangement of world-class eco-retreat hubs in various places in the state. As per a press release, the decision was taken after a high-level virtual meeting was held on eco-tourism under the Chairmanship of Chief Secretary Suresh Chandra Mahapatra. The Chief Secretary stated that since the state has the calibre to run year-round eco-retreat activities, he had directed to develop, design, and maintain the cottages on PPP mode with credible private partners that have experience in the trade. The meeting discussed the feasibility of setting up such facilities at Paradeep, Hirakud, Baliput (Satkosia), Dringibadi, Koraput, and Pati Sonapur. As per the reports, a pilot project will be carried out in two destinations, i.e. Baliput (Satkosia) of Cuttack district and Hirakud of Sambalpur district. Principal Secretary Vishal Dev informed that around 6 ac of land has been identified at each of these two spots, whereas investment of around INR 6.25 crore has been estimated for these destinations for works like landscaping, land development, and setting up of sustainable and ecologically suitable cottages. The Chief Secretary added that the government would provide all necessary support for setting up the cottages, whereas the private partner would be provided handholding support for availing different statutory permissions. He also directed the departments of Water Resource, and Forest and Environment to identify other such destinations, and protect the Government land there for future development.

Newscaster -Bhumika Mhatre  
Freelance Reporter- Payal Solanki  
Reference: <https://timesofindia.indiatimes.com/topic/sambalpur>

RAIGAD FORT



Raigad is a hill fort situated in Mahad, Raigad district of Maharashtra, India. It is one of the strongest fortresses on the Deccan Plateau.  
**History:** - Chhatrapati Shivaji Maharaj seized the fort in 1656, then known as the fort of Rairi from Chandrarao More, the king of Jawali. Shivaji renovated and expanded the fort of Rairi and renamed it as Raigad (King's Fort). It became the capital of Chhatrapati Shivaji Maharaj's Maratha kingdom. In 1689, Zulfikhar Khan captured Raigad and Aurangzeb renamed it as Islamgarh. In 1707, Siddi Fathekan captured the fort and held it until 1733. After 1733 Maratha chiefs captured Raigad again and held it until 1818.  
In 1765, The fort of Raigad along with Malwan in present Sindhudurg District, the southernmost district of Maharashtra, was the target of an armed expedition by the British East India Company, which considered it a piratical stronghold.  
In 1818, the fort was bombarded and destroyed by cannons from the hill of Kalkai. And on 9 May 1818, as per the treaty, it was handed over to the British  
**Features:** -The main palace was constructed using wood, of which only the base pillars remain. The main fort ruins consist of the queen's quarters, six chambers, with each chamber having its own private restroom. In addition, ruins of three watch towers can be seen directly in front of the palace grounds out of which only two remain as the third one was destroyed during a bombardment. The only main pathway to the fort passes through the "Maha Darwaja" (Huge Door) which was previously closed at sunset. The Maha Darwaja has two huge bastions on both sides of the door which are approximately 65–70 feet in height. The top of the fort is 600 ft above this door.  
A statue of Shivaji Maharaj is erected in front of the ruins of the main market avenue that leads to the Jagdishwar Mandir and his own Samadhi and that of his dog named Waghya. The Samadhi of Rajmata Jijabai, Chhatrapati Shivaji Maharaj's mother, can be seen at the base village of Pachad.

Newscaster-Kajol Mirgule  
Freelancer reporter-Payal Solanki  
Reference: - [https://en.m.wikipedia.org/wiki/Raigad\\_Fort](https://en.m.wikipedia.org/wiki/Raigad_Fort)



SPORTS

EURO 2020 SEMI-FINALS PREVIEW: THE FAB FOUR

ROAD TO SEMIS				
ITALY				
Beat	Belgium	2-1	QF	
Beat	Austria	2-1	L16	
Beat	Wales	1-0	GS	
Beat	Switzerland	3-0	GS	
Beat	Turkey	3-0	GS	
SPAIN				
Drawn	Switzerland	1-1*	QF	
Beat	Croatia	5-3	L16	
Beat	Slovakia	5-0	GS	
Drawn	Poland	1-1	GS	
Drawn	Sweden	0-0	GS	
*won 3-1 on penalties				
ENGLAND				
Beat	Ukraine	4-0	QF	
Beat	Germany	2-0	L16	
Beat	Czech Republic	1-0	GS	
Drawn	Scotland	0-0	GS	
Beat	Croatia	1-0	GS	
DENMARK				
Beat	Czech Republic	2-1	QF	
Beat	Wales	4-0	L16	
Beat	Russia	4-1	GS	
Lost	Belgium	1-2	GS	
Lost	Finland	0-1	GS	
GS: Group Stage; L16: Last 16				

Football!!! Bloody hell!!!’ Alex Ferguson’s famous opening remarks in the post-match interview on the touchlines in 1999 after Manchester United sneaked in two last-gasp goals to take away the Champions League from a devastated Bayern Munich. These three words remain prophetic even today as football lovers hold their collective breath going into the last stages of Euro 2020. Under the shadow of the pandemic, with talks of player fatigue after the long and grueling domestic league seasons, the best of Europe have put on a grand show for the last three-odd weeks. Four teams remain to fight it out in the semis — four teams who have charted different but no less exhilarating routes to the penultimate round

**SPAIN:**  
The team that won everything under the sun a decade ago with two back-to-back Euros and a World Cup thrown in between. The team which gave us tiki-taka and the masterful sorcery of midfield generals and talismanic strikers are today a very different proposition.

**ENGLAND:**  
With the intense non-stop scrutiny right from the day the squad was announced, this English team has displayed a very polished, solid and united performance right through the event so far.

**DENMARK**  
If goodwill and emotions could give you an extra goal or two, this Danish team would by now have scored the most in this tournament. After the Christian Eriksen midgame collapse, this talented and hardworking bunch have picked themselves up and turned in solid and steadily improving performances in every match.

**ITALY**  
The in-form team who have played such a high energy and classy brand of football from the first match that some people are already anointing them as possible finalists, unless they unthinkably lose their mojo. Lorenzo Insigne, Ciro Immobile and Federico Chiesa have been unstoppable, backed up by the strong defensive unit spearheaded by the ever-dependable Giorgio Chiellini-Leonardo Bonucci combine.

Newscaster reporter :- Riddhi Pathare  
Freelance reporter:- Maithili Parate  
Reference link:  
[https://m.economictimes.com/news/sports/amp\\_articlelist/26407562.cms](https://m.economictimes.com/news/sports/amp_articlelist/26407562.cms)

THE HISTORY OF INDIAN SPORTS



The history of Indian sports is believed to be 8000 years old, from the time of Indus Valley civilization. Indians were one of the most modern and developed civilization in the ancient period.

In fact, many historians are still astonished by the civilizations’ neat architecture, hygiene and overall sense of town planning. However, they didn’t stop there. Many pieces of evidence suggest that the people played an early form of chess and invented dice. The existence of seals recovered from the sites of Indus valley and other artefacts also prove the fact that hunting and boxing were practised then.

In and around 975 B.C. the love for chariot-racing and wrestling was common in both in India and Greece, where Olympic was first introduced.

During the Vedic India, dehvada or the body-way is defined as “one of the ways to full realization”. In times of Rig-Veda, Ramayana and Mahabharata, the men of stature and circumstance got competent with each other in chariot-racing, archery, horsemanship, military tactics, wrestling, weight-lifting, swimming and hunting.

From the time Indian Vedic history is recorded, the relationship between the Guru (teacher) and his student (hisyo) has been considered as an integral part in the history of Indian sports.

Sports in India reached new heights when Buddhism came into practice. Tiruvedacharya in Villas Mani describes many fascinating games. They are archery, equitation, hammer-throwing and chariot-racing.

During Manas Olhas (1135 A.D.), Someshwar writes about Bhrashram (modern-day weight-lifting), Bhrashram (walking in today’s time) and also about Mall-Stambha ( sport of wrestling).

One can easily notice that today’s Olympic disciplines are sophisticated versions of ancient games played in India. Chess, wrestling, polo, archery and hockey (possibly an alter version of polo) are some of the games believed to have originated in India, and a part of the great history of indian sports.

Newscaster Name - Hetal Parmar  
Freelance reporter- Maithili Parate



SOCIAL ISSUES

WHY INDIAN’S HEALTHCARE SYSTEM IS STRUGGLING?



There’s a need to make people and processes in the healthcare sector more accountable; for that greater operational transparency needs to be brought in urgently. Indian healthcare system has been battling various issues, including the low number of institutions and less-than-adequate human resources for quite a while now . Essentially, a three-tier structure defined the Indian healthcare system — primary, secondary and tertiary care services. The Indian Public Health Standards (IPHS) states that the delivery of primary health care is provided to the rural population through sub-center, primary health Centre (PHC), and community health centre (CHC), while secondary care is delivered through district and sub-district hospitals. On the other hand, tertiary care is extended at regional/central level institutions or super specialty hospitals. The COVID-19 pandemic completely exposed India’s underfunded healthcare system. Critical patients all over the country were struggling to get ICU beds. Some lost their lives as the ambulance reached late while some died outside the hospitals waiting to get admitted. The pandemic exposed fundamental problems plaguing the Indian healthcare system, be it physical infrastructure, manpower, health management etc. As per reports, India’s expenditure on healthcare has increased substantially in the past few years, however, it is still very low in comparison to other nations. Even Niti Aayog Member (Health) V.K. Paul has said that India’s overall spending on the health sector is “low” and the situation must be “corrected”. In 2018-19, India’s spending on the health sector was 1.5% of GDP, whereas in developed countries like the US was 16.9 per cent, China was 5 per cent, Germany was 11.2 per cent, France was 11.2 percent and Japan was 10.9 percent

Newscaster:- Priyal Salvi  
Freelancer :- Aayush Sinha

Ref:- <https://www.freepressjournal.in/India/From-Economy-To-Employment-5-Issues-That-Need-More-Coverage-And-Addressal-In-2021>

WHY TO INVEST IN GIRL CHILD EDUCATION ?



Consider these eye opening statistics: nearly 6 crore children are out of school in India. That is the highest number of out of school children of any country in the world. Out of these nearly 40% of the girls in the age group 15-18 are not attending any educational institutions. Almost 30% of girls from the poorest families have never set foot inside a class -room as per the data provided by different government and international agencies(UNESCO 2013). Gender based discrimination against girl child are common phenomenon worldwide and India is no better. It is visible in all the sections of the society in various forms. The gender equality and women empowerment in spite of being important components of Millennium Development Goals (MDG) are still a mirage. The education of the girl child in India is an important social indicator to measure the status of gender equality. According to UDISE data the 8.95-lakh girls did not continue education in Class IX or dropped out. According to NFHS 4 data only 35% women completed 10 or more years of schooling in India out of which only 27% of rural women completed 10 or more years of schooling. It is a matter for concern when 9 out of every 10 girls ever enrolled in school do not complete schooling and only 1 out of every 100 girls enrolled in Class I completes Class XII in rural areas.

Newscaster- Seema Samanta  
Freelance Reporter - Aayush Sinha

Ref: <http://www.Azadindia.Org/Social-Issues/Why-Invest-In-Girls-Education.Html>



STUDENT’S SECTION

FACTS ABOUT EARTH

MILLIONS OF CREATURES ARE UNDISCOVERED

According to the World Register of Marine Species (WoRMS). Humans have only discovered about 242,500 underwater creatures. Every year 2000 new species are included in the register, and it is expected that 700,000 to 1 million species are residing in the ocean.

20 MILLION TONS OF GOLD

At the bottom of the oceans, there can be 20 million tons of gold. The reason that nobody's attempted to get the gold is because you will get only a gram of gold in a hundred million tons of seawater.

MOST OF THE SPECIES HAVE BECOME EXTINCT

According to new estimates there were 8.7 million species of life ever lived on earth, in which 99 percent of the species have now become extinct.

DEEP OCEANS REMAIN IN THE DARK

The sunlight does not reach more than 665 feet or 0.2 km inside the sea and oceans. So the rest of the deep oceans and sea are permanently.

MAGNETIC FLIP FLOP

Researches have shown that 780,000 years ago, the Earth's magnetic field was flipped and it remains constant ever since. Since the 19th century, the northern magnetic pole has shifted about 685 miles, indicating it will reverse again.

Newscaster- Sakshi Tatkare  
Freelance reporter -Anushka Patil

Army Word Search

A	R	E	C	I	F	F	O	L	V	Y	R	A	T	I	L	I	M	T	S	E	F	U	Y
T	E	N	P	E	W	E	N	O	I	T	I	N	U	M	M	A	T	R	I	T	M	B	M
H	R	N	E	T	Z	M	Z	A	A	J	B	A	G	C	A	D	E	T	E	N	E	H	R
G	A	O	N	U	U	W	R	F	N	I	A	T	P	A	C	K	Q	X	E	S	U	F	A
I	T	I	I	H	O	K	C	O	L	T	S	T	Y	B	K	R	H	K	T	A	C	D	F
F	R	S	R	C	P	N	S	H	F	V	F	R	G	R	E	N	A	D	E	O	G	U	M
D	O	A	A	A	I	Q	N	T	A	I	V	L	E	R	R	A	B	A	R	D	O	L	E
E	M	V	M	R	D	R	R	O	C	R	N	K	Q	M	P	L	A	T	O	O	N	H	E
P	F	N	B	A	Y	O	E	E	R	O	L	U	E	T	A	V	I	R	P	W	P	Q	S
L	Z	I	U	P	O	V	K	B	I	D	X	I	T	A	C	T	I	C	A	L	Y	G	F
O	R	Y	S	P	T	R	P	I	I	D	A	B	E	M	K	G	H	N	O	N	N	A	C
Y	E	K	S	R	M	E	D	A	L	L	L	U	X	N	F	L	G	N	T	T	L	Y	H
M	C	Z	P	H	W	E	A	P	O	N	A	O	Q	W	Y	T	A	B	M	O	C	Z	B
E	R	B	R	E	T	R	E	A	T	R	R	C	S	S	C	R	U	U	J	J	P	E	U
N	U	A	K	C	N	N	Z	B	Y	A	A	K	O	Y	E	R	T	C	Q	A	O	L	S
T	I	T	I	G	W	O	J	U	D	G	O	C	W	T	V	N	A	Q	L	Y	N	F	Q
F	T	T	E	I	V	E	I	A	E	E	M	M	E	I	N	F	A	N	T	R	Y	I	K
O	Y	L	S	V	X	N	R	T	R	S	E	V	M	U	N	K	H	Z	K	R	Q	R	B
X	A	E	N	A	W	H	U	A	A	Y	N	K	E	A	A	N	W	H	O	E	I	N	U
T	S	F	E	P	J	R	F	T	U	M	L	E	L	I	E	U	T	E	N	A	N	T	L
R	A	I	F	J	Z	R	N	F	K	S	R	A	F	U	L	X	E	L	D	K	G	T	L
O	K	E	E	Q	A	U	O	N	X	L	H	O	I	F	D	W	S	E	R	V	I	C	E
T	L	L	D	W	C	O	M	M	A	N	D	E	F	R	O	G	B	K	R	B	N	U	T
B	H	D	D	T	F	A	R	C	R	I	A	S	B	M	I	S	S	I	L	E	M	G	A

WEAPON	WARFARE	VETERAN	UNIT
UNIFORM	TACTICAL	TROOPS	SUBMARINE
SQUADRON	SHOOT	SERVICE	RADAR
RECRUIT	RANK	RETREAT	RESCUE
PRIVATE	PLATOON	PARACHUTE	OFFENSE
DEFENSE	MISSILE	MORTAR	MEDAL
MILITARY	LIEUTENANT	INVASION	INFANTRY
GRENADE	FIGHT	FORMATION	CAPTAIN
CANNON	CADET	BATTLEFIELD	AMMO
AIRCRAFT	AMMUNITION	DEPLOYMENT	OFFICER
COMMAND	EAGLE	FOXTROT	CHARLIE
COMBAT	CALIBER	BARREL	BULLET
RIFLE	SOLDIER	ARMY	

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