



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)  
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# WEEKEND CHRONICLE

WINDOW TO YOUR  
KNOWLEDGE



AN INITIATIVE BY  
B.M.S DEPARTMENT

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**Dr. Mala Kharkar**  
**Chief Education Officer**

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Greetings!

*“The highest education is that which does not merely give us information but makes our life in harmony with all existence.” – Rabindranath Tagore*

The advancement of Technology and Science by Man is impressive. We have enormous industrial facilities and produce ships, planes, trains, and even missiles, which is evidence of how far we have advanced as a civilized country. But not only scientific information is productive. To become a fully realized human being, spiritual understanding and self-knowledge are equally crucial.

The world is moving at such an accelerated pace these days and we as Educators need to create and reflect the entire education system. Online education offers new age technology to expand fields of study. It prepares students for success in the growing technology-driven global economy. Technology makes life much easier, above all it saves time and energy. It is currently one of the fastest growing field and shows no signs of stopping anytime soon.

We are all very excited to release this weekly online publication called "Weekend Chronicle." This E-Periodical, we are confident, will aid in the knowledge and skill acquisition, character development, and improved employability of young, talented students to become globally competent.

Everyone can find something here, including in the Business, Academic, Travel and Tourism, Science and Technology, and Media Fields, among many others. The E-Periodical's articles' diversity and creativity will undoubtedly broaden readers' knowledge.

The readers' minds will undoubtedly be stimulated and transported to a fantastic world of joy and pleasure by the optimistic attitude, perseverance, hard work, and creative ideas displayed by our Students and Teachers.





**Dr. Pratibha Gaikwad**  
**Principal**

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Dear Readers,

Welcome!

*“Knowledge is nothing but finding unity in the midst of diversity.” – Swami Vivekananda*

The E-Periodical “Weekend Chronicle” is crucial in giving our BMS Department students a platform to showcase their artistic talents.

Our E-Periodical, or online journal, takes us through a variety of genres, including news about international affairs under departments including Business, Advertising, IT, Science & Nature, and Academics, Media, and Libraries.

It also includes articles on topics like food, health, and travel, which are typically at the top of our "Bucket Lists." The Department of Social Issues also includes articles on social issues. Last but not least, we will cover the ideas and words of our gifted students as aspiring poets, authors, and philosophers under the Student's Section.

In conclusion, students' creation of a digital journal will include young people of today and those who shape them (such as instructors) in their communities, which is required to adopt a contemporary viewpoint and meet the difficulties we face today.

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***BUSINESS***

***INDIA VS AUSTRALIA 2ND T20I: JIOCINEMA WITNESSES MASSIVE VIEWERSHIP***



JioCinema, a free Indian video streaming platform owned by Reliance Jio Platforms, recorded a viewership of 12 cr for the T20 match between India and Australia played on November 26. This is the highest viewership for a cricket match on any streaming platform in India and it broke the record of its own viewership of 2.7 crore. This comes after the JioCinema app experienced a technical glitch on November 23, during the T20 cricket match between India and Australia. This glitch caused the app to crash for many users, preventing them from watching the match. The issue was reportedly related to the high volume of concurrent viewers trying to access the platform to watch the live match.

The outage caused significant frustration among fans, who took to social media to express their disappointment. Some users reported being unable to connect to the app at all, while others were met with error messages. The issue persisted for several hours, affecting the viewing experience of many fans.

After Australian skipper Matthew Wade won the toss and decided to bowl first in the 2nd T20I, India's openers Yashasvi Jaiswal and Rituraj Gaikwad, notched up a quickfire 50-run lead in just 23 balls. Jaiswal, hit his second half-century in T20Is off merely 24 deliveries but was shown the exit route by Zampa, caught at short third by Ellis after bagging 53 runs, in the 6th over. Running at full throttle, India's 100 was on the board within 59 balls.

Ensuing a slow start, the team surpassed the 150-run mark in 86 balls, while Ishan Kishan added another 50 to his tally off 29 balls. Reinvigorated by their 8-wicket victory on Friday at Vizag, Team India has found dependable assets in their skipper Yadav, delivering a captain's knock, and Rinku Singh.

Department Editor: Archi Singh

Reference. link: <https://www.businesstoday.in/sports/story/india-vs-australia-t20-jiocinema-sees-massive-viewership-of-12-cr-407168-2023-11-26>



## ADVERTISEMENT

### ***MCDONALD'S INDIA'S NEW CAMPAIGN CELEBRATES FEEL-GOOD MOMENTS WITH ITS VALUE FOR MONEY MEALS***

The campaign puts the focus on McSaver Meals that offer #more for less for its customers



As per the brand, these meals offer great value for money, giving customers even more reasons and occasions to visit their favourite brand.

The brand has launched TVCs created by DDB Mudra. The first film captures a moment shared between a young couple and their sleeping baby. So that they do not disturb their baby, the couple sing a creative lullaby to communicate their meal preferences before the mother steps out of the car to order.

With a touch of humour and warmth, the video demonstrates how McDonald's fits into the lives of its customers, creating feel-good moments even in the most ordinary situations.

The second film showcases how McDonald's environment can foster unexpected connections. The scene opens inside a McDonald's store, wherein a 20-year-old boy is at the counter, ordering from the person he has developed a fondness for. As the boy orders the McSaver meal, it's evident that their mutual attraction is palpable.

The video shows the boy returning for another McSaver meal, ready for another sweet interaction.

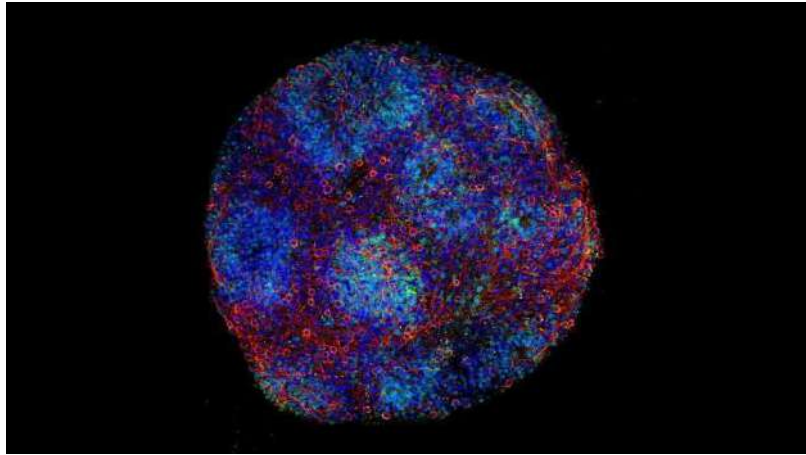
These videos aim to serve as a reminder that McDonald's meals can create special moments in everyday life.

Department Editor: Gracy Choudhary

Reference Link: <https://bestmediainfo.com/2023/06/mcdonald-s-indias-new-campaign-celebrates-feelgood-moments-with-its-value-for-money-meals>

## IT & TECHNOLOGY

### *SCIENTISTS USE BRAIN-LIKE TISSUE IN ADVANCE FOR 'BIOCOMPUTING'RESEARCH*



Scientists have combined brain-like tissue with electronic hardware to create a speech-recognition and calculation system, advancing research into the creation of high-powered biological computers. The work boosts efforts to build so-called neuromorphic computing devices powered by human brain cells that have the potential to learn faster and be more energy-efficient than traditional silicon-based machines. A breakthrough in this emerging field could improve artificial intelligence applications, enabling advances in fields such as medical science and treatment, researchers say.

The team connected computer hardware to send electrical stimulation to the organoid and read the neural activity it produced in response. The system recognised Japanese vowel sounds and predicted a mathematical map. In a language test, the scientists gave Brainaware the task of distinguishing between eight different male Japanese speakers recorded on a total of 240 audio clips. The system got significantly better after training of its underlying algorithm, improving from about 51 per cent accuracy to approximately 78 per cent.

While researchers admit that general-use biological computers may be decades away from realisation, the Brainaware experiments highlight the field's potential. Biological computing research is likely to generate "foundational insights into the mechanisms of learning, neural development and the cognitive implications of neurodegenerative diseases", wrote a trio of Johns Hopkins scientists in a commentary also published on Monday in Nature Electronics.

Department Editor: Mahek Shaikh

Reference link: <https://www.ft.com/content/5a9beab9-e757-43de-93ce-a222d54c8773>

**SCIENCE & SPACE*****FASTEST-RISING NATIONS LOOK TO SOLIDIFY RESEARCH GAINS***

China's meteoric rise to become the most prolific nation for natural-science publications in the Nature Index is illustrated by its dominance in this supplement's tables. Of the top 100 fastest-rising institutions between 2017 and 2022, just one — the Technical University of Munich — is outside China.

China's performance sometimes obscures the progress of other countries, however. India, for example, has made impressive gains as the second fastest-rising country in the Nature Index, surpassing Australia to enter the top ten overall in the natural sciences for the first time. As the nation's Moon landing in August attests, it has strong ambitions to raise its global station in science. This presents a timely opportunity for the United States, whose research collaborations with China have suffered amid political tensions. Increasing US–India scientific partnerships might be beneficial to both nations, but there are significant obstacles to overcome.

Elsewhere, we feature individual researchers whose prolific work is helping to propel the success of many rising-star institutions and countries, some of which are building on historic strengths. Denmark, for example, the second-fastest rising nation in the biological sciences, after China, is navigating the unusual challenge of having almost too much research funding, thanks to the success of its pharmaceutical industry. China, too, will be keen to solidify its lead in the natural sciences, and might be best served by strategies that aim to foster local capacity while rebuilding ties with the West. Whichever direction it takes, China's position as a leader in global science will cause knock-on effects around the world.

Department Editor: Mahek Shaikh

Reference link: <https://www.nature.com/articles/d41586-023-03442-3>



## NATURE

### *WARDS HEED CALL TO CLEAN AIR, START PLACING DEVICES.*



MUMBAI: As the MPCB and the BMC explore various technology options to mitigate air pollution in the city, some of the civic wards too are experimenting with technologies to fight air pollution.

: The G-South ward has installed an air purifier, which works on the electrostatic principle, in Worli on an experimental basis. The device has been installed by a firm with CSR funds. Bodies engaged by the MPCB for installing various air pollution mitigation units too are in talks with corporates for seeking CSR fund.

"Our unit, which covers a radius of about seven metres, has been installed atop a pole on trial basis as per the directions of Mumbai City guardian minister Deepak Kesarkar," said a G-South ward official. "The unit attracts ultra fine dust that is particulate matter (PM) including PM1 (of one micron thickness). The pilot unit today, made in a joint venture with a Netherlands-based company (which holds the patent), has been installed near Poonam Chambers in Worli. The unit has been installed as a technology demonstrator," said an official of the installing firm.

"While the MPCB has proposed these technologies, funds are not being provided by MPCB and they are being provided through CSR. Some of the companies, which have been approached, may not be convinced about the urgency of the process. We are not in a position to put all the money from our end in the beginning," said a firm, offering pollution mitigation equipment.

Reference link: <https://timesofindia.indiatimes.com/city/mumbai/wards-heed-call-to-clean-air-start-placing-devices/articleshow/105887281.cms>

Department editor: Rushda Mansuri

Reference Link: <https://timesofindia.onelink.me/mjFd/toisupershare>

## ACADEMICS

### ***CHANNAPATNA TOYS NOW A PART OF ACADEMIC ACTIVITIES IN AFGHANISTAN***



BENGALURU: Toys made in Channapatna near here have now become part of children’s academic activities in Afghanistan. The Ministry of External Affairs sent some toys to Afghanistan some time ago as a friendly gesture. This traditional craft of Karnataka has received the Geographical Indication (GI) tag.

The famed wooden toys are made by artisans in and around Channapatna town of Ramanagara district, which is around 60 km from Bengaluru. There are over 250 cottage units and around 50 factories that make toys in Channapatna. According to a post shared by the United Nations Office on Drugs and Crime (UNODC), Afghanistan, hundreds of children in that country have been affected by drug abuse. “We are striving to get them support, and through the Ministry of External Affairs, Government of India, toys donated by the Karnataka State Rural Livelihood Mission have reached many children in Afghanistan,” it stated. Mission director Sreevidya PI told The New Indian Express that over 500 toys made of ivory and wood were sent to children in Afghanistan some time ago. The educational and entertainment toys for children aged up to 12 were specially made by local women’s self-help groups.

“These toys are from people of India to children of Afghanistan,” she said. The MEA had placed orders for the toys. Sreevidya said the Channapatna toys are ideal for children as the chemical dye is not used in them and they come without sharp edges. They are totally safe. Considering these factors, the toys were chosen and sent to Afghanistan, she added.

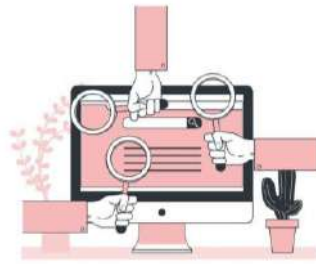
Sreevidya said Rs 4.98 crore has been released for the toys cluster at Channapatna. It is a joint venture by the State and Union governments. “We are helping local artisans through online, offline and other platforms of marketing. The toys made here are of good quality and can be shipped to other countries,” Sreevidya said.

Department Editor-Bushra Bheri

Reference link: <https://www.newindianexpress.com/states/karnataka/2023/dec/15/channapatna-toys-now-a-part-of-academic-activities-in-afghanistan-2641668.html>

## ***MEDIA***

### ***MASTERING SOCIAL MEDIA FOR BUSINESS GROWTH:– A SIMPLIFIED BLUEPRINT***



In today's digital age, the impact of social media on business growth is undeniable. Crafting a successful social media marketing strategy involves more than just being present online. It requires a deep understanding of each platform, active engagement with your audience, and adaptability to the ever-changing landscape. Let's break down a comprehensive blueprint to master social media marketing for substantial business growth:

**Building the Foundation:–**

**1. Define Your Brand Persona:–**

Clearly outline your brand's values and personality traits before diving into social media. This sets the groundwork for creating a consistent and relatable online presence.

**2. Platform Selection:–**

Choose social media platforms strategically based on your target demographic and business goals. Whether it's Instagram for visuals or LinkedIn for professional networking, platform selection is crucial.

**3. Content Strategy:–**

Develop a diverse content strategy that aligns with your brand voice. From informative blog posts to visually appealing graphics, diversify your content to maintain audience interest.

**Implementing Effective Strategies:–**

**1. Clear Objectives:–**

Establish precise, measurable goals for your social media efforts. Whether it's boosting brand awareness, driving website traffic, or generating leads, well-defined goals guide your strategy.

**2. Audience Research:–**

Conduct thorough research to understand your audience's preferences and behavior. Tailor your content to address their needs, pain points, and interests, creating a more engaging presence.

**3. Consistent Posting Schedule:–**

Maintain a regular posting schedule for brand reliability. A well-thought-out schedule ensures your content reaches your audience at optimal times.

**4. Visual Appeal:–**

Leverage the power of visuals with high-quality images and videos to capture your audience's attention. Visual appeal significantly contributes to engagement and shareability.

**5. Engagement Strategies:–**

Actively engage with your audience through comments, direct messages, and interactive content. Encourage discussions, respond promptly, and make your social media channels a space for meaningful interactions.

Department Editor: Riya Kadam

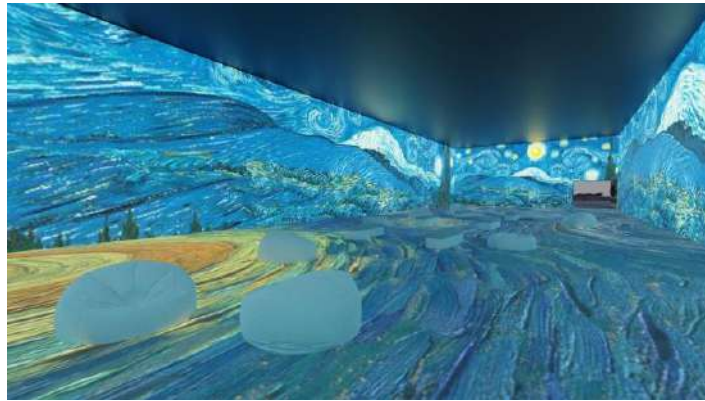
Reference Link: [https://www.linkedin.com/pulse/mastering-social-media-marketing-blueprint-business-growth-vlj0f?trk=public\\_post](https://www.linkedin.com/pulse/mastering-social-media-marketing-blueprint-business-growth-vlj0f?trk=public_post)



DATE: 17/12/2023

## ARTS

### *CHENNAI HOSTS THE IMMERSIVE VAN GOGH EXPERIENCE WITH AN ART CAFÉ AND INFINITY ROOM.*



The Real Van Gogh immersive experience finally comes to Chennai, with a Van Gogh-themed art cafe and an Infinity Room as bonus experiences.

The ivory almond blossoms fall softly, almost callously, as curiosity mounts — can we leap up and maybe catch a few? The Vincent Van Gogh masterpiece that embodies the artist's yearning for hope and awakening is just an outstretched arm away, consuming the space that you sit on.

A few seconds in, you breathe and live within the painting. As many vibrant sunflowers flit across, lending an ode to Van Gogh's much-loved recurrent motif, one feels enveloped in a warm embrace. Familiar canvases from the most popular *Starry Nights* to the more melancholic *The Potato Eaters* flash all around, piecing together the life and times of the great post-Impressionist artist, in a spatially interactive display.

After Mumbai, Delhi and Bengaluru, Chennai is next in line to host the The Real Van Gogh immersive exhibit at the city's own Express Avenue mall in January 2024.

But what is going to be presented in Chennai is different from what has been seen and done in other Indian cities. "The use of 20,000 lumens projectors has never been attempted before, and this is going to bring enormous clarity and depth to the art showcased. Most importantly, the significantly brighter projectors will highlight Van Gogh's art's most recognisable technique — his use of bright colours and bold brush strokes," says Sharan John, founder, The Silly Fellows who brought the show to India.

The idea to develop and bring The Real Van Gogh immersive experience stemmed from its overwhelming global success. "That said, the exhibition aims to take audiences beyond art, into an immersive realm that re-imagines Van Gogh's art, allowing it to resonate with audiences of all ages and across demographics," adds Sharan. Apart from being a haven for art enthusiasts, Sharan anticipates that the exhibit would be an "enormous success" among the younger generation, especially content creators.

Department Editor: Sneha Suthar

Reference Link: <https://www.thehindu.com/life-and-style/chennai-hosts-the-immersive-van-gogh-experience-with-an-art-cafe%3%A9-and-infinity-room/article67569546.ece>

## HISTORY

### *HISTORY OF NATIONAL POLLUTION CONTROL DAY IN INDIA*



The National Pollution Control Day or National Pollution Prevention Day is observed on December 2 every year in India. The objective of the day is to raise awareness about the different measures to control pollution and the prevention of industrial disasters. National Pollution Control Day is especially observed in the memory of people who died in the Bhopal gas tragedy of 1984.

History of National Pollution Control Day Regarded as one of the worst industrial environmental catastrophes in the history of India, the Bhopal Gas Tragedy took place on the intervening night of December 2 and 3, 1984, when a deadly gas, methyl isocyanate, leaked from Union Carbide India Limited's pesticide facility in Madhya Pradesh. It resulted in more than 3,700 deaths with over 5 lakh people being exposed to the toxic gas. Ever since, December 2 has been designated as National Pollution Control Day to raise awareness about how industrial disasters can be prevented and pollution controlled.

On this day, the spotlight is on different ways to lower pollution levels in the air, water, and soil, promote the use of renewable resources, and recycled goods, reduce the emission of harmful pollutants, and waste of natural resources.

Department Editor: Ruhi Sutriwala

Reference link: <https://www.moneycontrol.com/news/trends/national-pollution-control-day-2023-history-significance-and-all-you-need-to-know-11842061.html>

## LIBRARY

### ***NMC SETTING UP LIBRARY OF LITERATURE ON ANCIENT INDIAN MEDICINE, SURGERY***



NEW DELHI: The National Medical Commission (NMC) is planning to create a library in which all books and manuscripts related to medicine and surgery in ancient India will be available. It has called for experts from the medical field and other disciplines to help identify and collect the books and manuscripts for this purpose. The NMC's decision comes amid a controversy over its decision to modify its logo to include a coloured photo of Dhanvantari - an avatar of Lord Vishnu, who is referred to as the god of Ayurveda in Puranas

Senior NMC officials said the Dhanvantari logo has been in use for almost a year

Earlier, it was in black and white and, therefore, not visible in printouts. We have simply used a coloured photo in the centre of the logo," said an official.

Another official, who did not want to be named, said even the WHO's emblem consists of the United Nations symbol surmounted by a staff with a snake coiling around it.

Department Editor: Mitali Yadav



## FOOD & HEALTHCARE

### *NUTRITION FOR OLDER ADULTS*



Proper nutrition becomes even more important after men and women reach age 50. It helps keep energy levels up and protects against many age-related illnesses and diseases like heart disease, cancer, and diabetes. But is there a best diet for men and women over 50?

There is no single way to eat for good health. While everyone needs carbohydrates, fat, and protein, there is no “magic” ratio that you should strive for as long as you avoid extremes. In fact, recent studies have found that the quality of the food is more important than whether it’s low-fat, low-carb, or somewhere in between. While details may vary from diet to diet, all healthy eating plans have four basic principles in common: Lots of plants. Plant foods—vegetables, fruits, legumes, whole grains, nuts, and seeds—offer a wealth of vitamins and minerals. They also contain fiber and healthful compounds called phytochemicals, natural substances in plants that provide a range of health benefits, including antioxidant, anti-inflammatory, and even anti-cancer activity.

**Adequate protein.** Abundant research shows it’s essential to eat enough protein. There are many protein sources, but plant protein (beans, lentils, soy foods, nuts, seeds) and fish offer the most health benefits.

**Minimally processed foods.** A diet high in ultra-processed foods causes weight gain and unhealthy shifts in blood sugar and cholesterol. Food processing often strips away nutrients while adding extra fats, sugars, sodium, additives, and preservatives.

**Limited saturated fats, added sugars, and sodium.** The U.S. government’s Dietary Guidelines for Americans recommend limiting saturated fat intake to less than 10% of daily calories. The same goes for added sugars (sugars added during processing). As for sodium, keep it below 2,300 milligrams (mg) per day—the average American consumes far too much, more than 3,400 mg per day

Reference Link: <https://www.health.harvard.edu/>

## CULTURE & CUISINE

### MAHARASHTRA'S FAMOUS FOOD



#### List of Famous food of Maharashtra

##### 1. Pav Bhaji

Pav Bhaji is not the special food of Maharashtra only. Today it is one of the most liked recipes among all Indians and you can find it in every part of the country. Pav Bhaji originated during the growth of textile industry in Mumbai. This was the most nutrient-rich food item for mill workers.

Today you can find different versions Pav Bhaji in every corner of Mumbai. It has gone under tremendous modifications. You will find Paneer Pav Bhaji, Mushroom Pav Bhaji (My favorite), butter Pav Bhaji, Cheese Paav Bhaji, etc.

Bhaji is made up of mixed vegetables like carrot, cauliflower, tomato, onion, etc. and it is served with Pav. It is definitely one of the nutrients rich and tasty foods of Maharashtra.

##### 2.Vada Pav

Vada Pav is one of the most famous fast food of Maharashtra people. If you will visit Mumbai you will find Vada Pav at every corner.

Many times when I am in a hurry and can't have breakfast I buy Vada Pav at the local railway station. It would cost me around Rs 8-10. Vada is made up of boiled potato along with some spices. They serve it with boiled green chili. You will find a lot of people having Vada Pav and Tea during an office break. It is one of the most affordable evening snacks for Maharashtrian people. Nowadays you will find a lot of variations of Vada Pav. One of them is Bhajia Pav. Apart from that, you can also have masala Vada Pav.

##### 3.Misal Pav

Misal Pav is one of **the popular food of Maharashtra**. If you like eating spicy food then you are definitely going to like it.

Misal is made up of sprouted lentils, species, onions, tomatoes, etc. On top of that, they squeeze some lemon juice. It is mainly served with butter Pav and yogurt.

You can have Misal Pav at breakfast or lunch. It is definitely one of the tastiest food item of Maharashtra.

##### 4.Pohe

Pohe is a typical Maharashtrian dish that is served in breakfast along with tea. It is prepared by pounded rice.

Pounded rice is first soaked in water and then some green vegetables are roasted in oil. And then soaked pounded rice is mixed in that. You can check the full recipe online.

This famous dish of Maharashtra is popular in the whole of India and there are hundreds of varieties of it.

##### 5.Modak

Modak is the sweet dish of Maharashtra which is cooked on Ganesh Chaturthi. When I saw it the first time I mistook it as Momos. It just looks like them from outside and its outer layer is also made up of maida(wheat is also mixed) similar to Momos. Its inner part is made up of coconut and jaggery.

## TRAVEL & TOURISM

### ***WHY TRAVEL SHOULD BE CONSIDERED AN ESSENTIAL HUMAN ACTIVITY***

Travel is not rational, but it's in our genes. Here's why you should start planning a trip now.

BY ERIC WEINER



I've been putting my passport to good use lately. I use it as a coaster and to level wobbly table legs. It makes an excellent cat toy.

Welcome to the pandemic of disappointments. Canceled trips, or ones never planned lest they be canceled. Family reunions, study-abroad years, lazy beach vacations. Poof. Gone. Obliterated by a tiny virus, and the long list of countries where United States passports are not welcome.

Only a third of Americans say they have traveled overnight for leisure since March, and only slightly more, 38 percent, say they are likely to do so by the end of the year, according to one report. Only a quarter of us plan on leaving home for Thanksgiving, typically the busiest travel time. The numbers paint a grim picture of our stilled lives.

It is not natural for us to be this sedentary. Travel is in our genes. For most of the time our species has existed, "we've lived as nomadic hunter-gatherers moving about in small bands of 150 or fewer people," writes Christopher Ryan in *Civilized to Death*. This nomadic life was no accident. It was useful. "Moving to a neighboring band is always an option to avoid brewing conflict or just for a change in social scenery," says Ryan. Robert Louis Stevenson put it more succinctly: "The great affair is to move."

What if we can't move, though? What if we're unable to hunt or gather? What's a traveler to do? There are many ways to answer that question. "Despair," though, is not one of them.

We are an adaptive species. We can tolerate brief periods of forced sedentariness. A dash of self-delusion helps. We're not grounded, we tell ourselves. We're merely between trips, like the unemployed salesman in between opportunities. We pass the days thumbing through old travel journals and Instagram feeds. We gaze at souvenirs. All this helps. For a while.

Department Editor: Tanvi Rane

Reference Link: <https://www.nationalgeographic.com/travel/article/why-travel-should-be-considered-an-essential-human-activity>



## SPORTS

### ***POOJA VASTRAKAR'S EXCELLENT DIRECT-HIT CATCHES TAMMY BEAUMONT SHORT OF HER CREASE IN IND VS ENG TEST***



India are dominating the only Test match against England that is being played at the DY Patil Sports Academy. The visitors have been bundled out for just 136 runs in their first innings even as India fielded superbly which included Pooja Vastrakar's excellent fielding effort too.

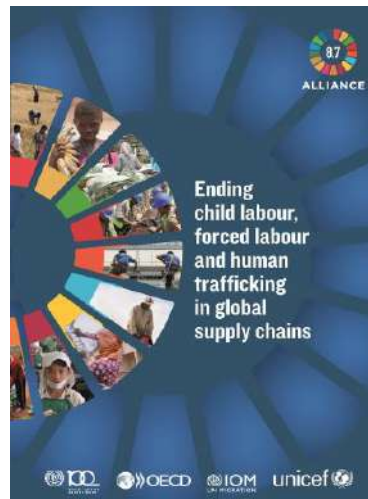
India and England Women have locked horns in the only Test match at the DY Patil Sports Academy in Mumbai with the hosts currently in the dominating position. After posting a mammoth total of 428 runs batting first, India skittled England for just 136 runs eking out a massive lead of 292 runs in the first innings.

England's all of top six batters entered double-digit scores but apart from Nat Sciver-Brunt, none could score big. Tammy Beaumont was expected to make an impact for the visitors but Pooja Vastrakar's excellent fielding skills and accurate throw cut short her stay in the middle. The incident happened in the 19th over of the innings when Sciver-Brunt just tapped the delivery from Rajeshwari Gayakwad on to the leg-side and set off for a single. Beaumont also responded to her quickly but Vastrakar was even quicker to pick up the ball and fire a throw. The ball directly smashed into the stumps and despite putting in a dive, Beaumont fell short of her crease much to the delight of the Indian players. It was a sensational effort in the field as India got a lucky break and England, from here on, were in tatters.

Meanwhile, Deepti Sharma starred for India with the ball picking up a stunning five-wicket haul in just 5.3 overs conceding just 7 runs. She created a record of registering a fiver in fewest overs bowled in a Women's Test in history bettering a 38-year-old effort from India's Gargi Banerjee.

As for the match, India surprisingly didn't enforce a follow-on, on England and have decided to bat again in the second innings. With a 292-run lead in the first innings, it remains to be seen if the hosts bat the visitors out of the game.

Reference Link: <https://www.indiatvnews.com/amp/sports/cricket/watch-pooja-vastrakar-s-excellent-direct-hit-catches-tammy-beaumont-short-of-her-crease-in-ind-vs-eng-test-2023-12-15-907441>

**SOCIAL ISSUE*****A GLOBAL SHAME: THE HUMANITARIAN AND ECONOMIC TOLL OF CHILD LABOUR IN THE 21ST CENTURY – CONTRIBUTION***

Globalisation has had a wide range of effects, both good and bad. One of the negative repercussions of globalisation is the rise of child labour. Child labour is the use of juveniles in a job or industry, typically in hazardous or exploitative situations. This essay will look at the financial and health consequences of child labour in the context of globalisation. The medical aspect of child labour is among the most troubling problems. When compelled to work, children frequently endure hazardous situations that can cause accidents or even death. Injurious substances like pesticides, chemicals, and other poisonous materials are also exposed to these kids, which can have a negative impact on their long-term health. Children working in agriculture, for instance, are frequently exposed to pesticides, which can cause neurological and developmental issues. Youngsters who work in factories are frequently exposed to hazardous chemicals, which can cause cancer and respiratory issues. Children who work while still young may also experience psychological repercussions. Children who frequently miss out on social and educational opportunities due to working parents may develop sadness and low self-esteem. Additionally, child workers run the risk of being abused physically and mentally by their employers.

Businesses frequently perceive child labour as a low-cost source of labour from an economic perspective. This is especially true in developing countries, where many families are eager to send their children to work to boost their income since they live in poverty. Child labour enables businesses to create items more cheaply, increasing their profits. However, this practise is unethical and violates the rights of children.

Additionally, child labour can affect a nation's economy in the long run. Being forced to work prevents children from receiving an education, which reduces their earning potential and future opportunities. This may result in a vicious cycle of poverty and the inability to escape it. Additionally, nations that continue to tolerate child labour may be subject to financial penalties or a boycott of their goods, both of which could harm those nations' economies.

Department Editor: Kshitija Salunke

Reference Link: <http://azadindia.org/social-issues/a-global-shame.html>

## ***ARTIFICIAL INTELLIGENCE***

### ***GOOGLE RELEASES LATEST GEMINI AI MODEL - GEMINI PRO***



Google released a version of its latest Gemini artificial intelligence (AI) model - Gemini Pro - to developers and enterprises on December 13, along with a range of new AI tools, models, and infrastructure. This comes a week after the tech giant unveiled Gemini, its flagship multimodal AI model. This launch comes as Google looks to attract more developers to boost the growth of its cloud offerings amid intense rivalry with Microsoft.

Gemini Pro will be made available to developers through Gemini API in the company's free web-based developer tool Google AI studio and to enterprises through Google Cloud's fully managed AI platform Vertex AI. Developers will also have an option to transition their AI Studio code to Vertex AI for additional customization and other Google Cloud features in the future.

Google said the AI model supports 38 languages across more than 180 countries and territories worldwide. It currently accepts text as input and generates text as output. The company said it has also made a dedicated Gemini Pro Vision endpoint that accepts text and image input, and text as output for multimodal use cases.

During the Gemini launch, Google said that Gemini Pro outperformed GPT-3.5 in six of eight benchmarks including in MMLU (massive multitask language understanding) benchmark, which uses a combination of 57 subjects such as math, physics, history, law, medicine and ethics for testing both world knowledge and problem-solving abilities and GSM8K (Grade School Math 8K), which measures grade school math reasoning.

Developers will have free access to Gemini Pro and Gemini Pro Vision through Google AI Studio, with up to 60 requests per minute. Vertex AI customers will also have access to the models with the same rate limits, at no cost until general availability early next year, after which there will be a charge per 1,000 characters or per image across Google AI Studio and Vertex AI.

Department Editor: Manya Churi & Zainab Patel

Reference Link: <https://www.moneycontrol.com/news/technology/google-releases-gemini-pro-new-ai-tools-for-developers-and-enterprises-11900531.html>



## STUDENT'S SECTION

### 7 WAYS TO TRAIN YOUR MIND



Are you able to control your brain? To do great and extraordinary things, you need to make your mind work in a specific manner. Here are the seven ways to train your mind.

- **EXERCISE**

Starting a day with exercise makes you feel fresher. It passionates your entire belief system that opens up your mind. Chemicals such as endorphins are released in the body while doing exercise. They generate a positive feeling in your brain. You get filled with more energy which helps to make a positive impact on your environment. Remember that a lazy mind is hard to train.

- **MEDITATION**

If your brain is not relaxed, you could never be able to train it. An average human brain has about 6000 thoughts in a single day. But only a few of them are worthwhile. How to recognize them? Meditation is the answer. Meditation helps to dump thousands of unwanted thoughts. It opens up the mind's creative power.

- **CREATE A CREATIVE ENVIRONMENT**

The environment plays an essential role in defining your behaviour. It is just like making good friends. To create a creative environment, you need to dissect your everyday habits. You need to know in which circumstance you could perform better. And at last, you need to create that particular circumstance in your life.

- **MUSIC THERAPY**

Good music always gives a positive result. It stimulates your brain and improves your memory capacity. A study shows that people could perform complex tasks very fast and efficiently while listening to music. A sick and depressed mind is impossible to control and train. Hence, it becomes necessary to make your mind unrestrained and healthy.

- **DIGITAL DETOX**

Digital world enormously influences your mind. You might be living two lives concurrently. One is where your physical body is. And the other is where your mind exists. Different activities going on around the world impact your mind. You must use social media wisely as per your need. Too much of it can make your brain sluggish.

- **ANALYZE YOUR DAY**

You need to know the behaviour of your mind to train it. The activities you do throughout the day tell a lot about your mind and thinking capability. You need to dissect your entire day and then make a plan to train your brain. Remember that examining is more important than planning.

- **PRACTICE GRATITUDE**

How many of you are thankful for the things you got? The bitter truth is that most people focus on the things they don't have. If you want to do something great, you need to show thankfulness. It positively influences your mind.

Department Editor: Sneha Okate

Reference link: <https://makelives.com/learning/7-ways-to-train-your-mind>



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- B.Sc. Computer Science
- B.Sc. Microbiology
- B.Sc. Biotechnology
- B.Sc. Aviation
- B.Sc. Actuarial Science & Quantitative Finance
- B.Sc. Data Science & Business Analytics
- B.Sc. Hospitality & Catering
- B.Sc.

## UG COMMERCE

- B.Com. (Banking & Finance)
- B.Com. (Banking & Insurance)
- B. Com

## UG MANAGEMENT

- Bachelors Of Management Studies (Sports)
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