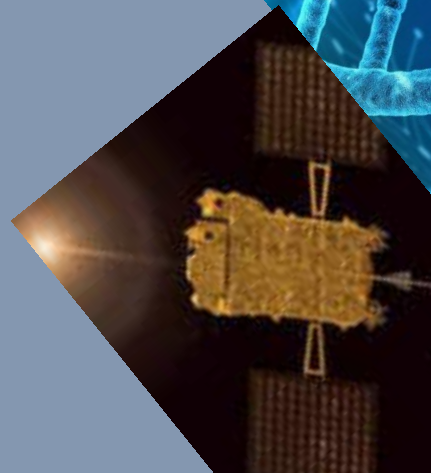


BERCHLY

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CONTENTS



ARTS



SPORTS



SCIENCE



TECHNOLOGY

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Photo by 3D paradise on unsplash
Photo by Ales Nesetril on unsplash



ARTS

Gen Z loves Manga and so do we: 5 of our favourites to start your journey **October 17,2023**

Doraemon, Shinchon, Ninja Hattori were the mainstay cartoons loved by late 90s and early 2000s kids. Other than being Japanese, they also have another thing in common — they're all based on Manga comics. While the generations before them grew up on Tinkle, Reader's Digest and the adventures of Chacha Chaudhary, Gen Z has been captivated by Japanese Manga comics. For the unversed, Manga are simply Japanese comics.

<https://indianexpress.com/article/lifestyle/art-and-culture/beginner-guide-japanese-manga-8982806/lite/>

Lyricist Javed Akhtar opens up about latest book 'Talking Life', AI's impact on art, and more



October 20,2023

Javed Akhtar, the renowned poet and lyricist, has left an indelible mark on Indian cinema with his unforgettable contributions. Beyond his illustrious career, Akhtar's own life story is nothing short of a Bollywood movie — filled with ups and downs.

Read more at:

<https://indianexpress.com/article/lifestyle/art-and-culture/javed-akhtar-latest-book-talking-life-ai-impac-art-career-films-bollywood-songs-8981406/lite/>

The art you like says a lot about you: Here's a starter guide to collecting

October 20,2023

From reflecting your personality to being a good investment, not to mention the cultural capital you will accrue from it, collecting art has many benefits. Here are some expert tips to start an art collection if you're new to this world.



Read more at :

<https://indianexpress.com/article/lifestyle/art-and-culture/collecting-art-tips-for-newbies-8981154/lite/>



SPORTS

After Asiad silver in 1500m, runner Ajay Saroj hopes he gets INR 1.5 cr cash prize from UP govt, helping him repay debts

October 17,2023

The first time India's long distance foreign coach Scott Simmons met middle distance athlete Ajay Kumar Saroj during a training camp at Bengaluru, the foreign coach was impressed by the calm demeanour of the Uttar Pradesh athlete. With Saroj training for months under him, the impression stayed the same and Simmons would give a new name to Saroj in his diary. It would read 'The Silent Monk' and as the 26-year-old Indian athlete won the silver medal in men's 1500m final in Hangzhou Asian Games earlier this month, Simmons would once again make an entry in his training diary.



Read more at :

<https://indianexpress.com/article/sports/sport-others/after-asiad-silver-in-1500m-runner-ajay-saroj-hopes-he-gets-inr-1-5-cr-cash-prize-from-up-govt-helping-him-repay-debts-8986328/>

Denmark Open 2023: PV Sindhu overpowers Supanida Katethong in straight-games to reach first Super 750 semifinal of the year

October 20,2023



In an all-round display of power and persistence, PV Sindhu defeated Thailand's Supanida Katethong in straight-games on Friday to reach the semifinals at the Denmark Open in Odense. She was a finalist at Odense in 2015, and will hope to go one better over the weekend.

Read more at :

<https://indianexpress.com/article/sports/badminton/denmark-open-2023-pv-sindhu-overpowers-supanida-katethong-to-reach-first-super-750-semifinal-of-year-8992768/>

Indian women's hockey team handed boost to make cut for Paris Olympics after qualifiers shifted to Ranchi

October 20,2023

The Indian women's hockey team will have home support as they bid to make the cut for next year's Paris Olympics after FIH announced that it was shifting the Women's FIH Hockey Olympic Qualifier from Changzhou to Ranchi. FIH, the global governing body for hockey, announced that the decision was being made because the Chinese women's national team qualified directly to the Olympic Games Paris 2024 through winning the Asian Games last week.



Read more at :

<https://indianexpress.com/article/sports/hockey/indian-womens-hockey-team-handed-boost-to-make-cut-for-paris-olympics-after-qualifiers-shifted-to-ranchi-8992561/>

Vaishali Rameshbabu a handful of points away from becoming third female Grandmaster from India after Qatar Masters heroics

October 21,2023

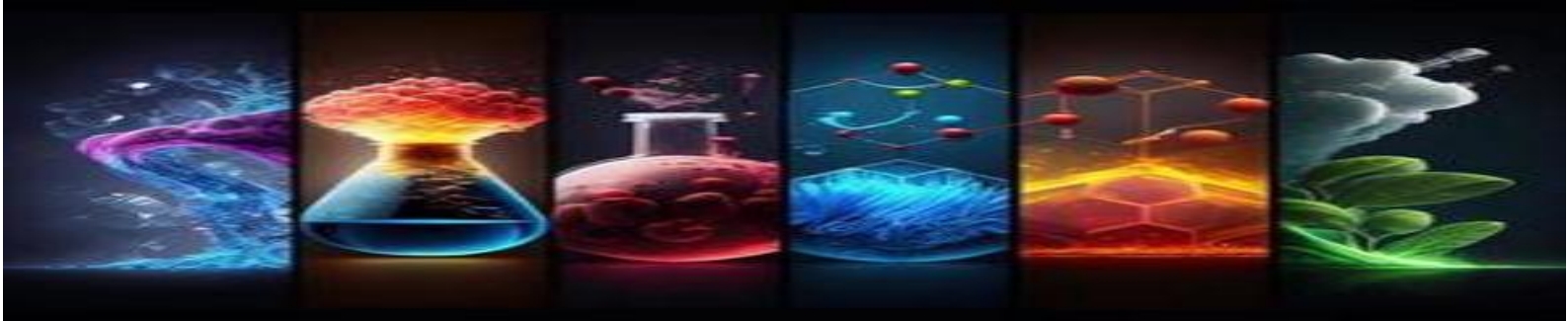


Qatar Masters 2023 witnessed a momentous occasion as Vaishali Rameshbabu, the talented 22-year-old and sister of R Praggnanandhaa, secured her third and final Grandmaster (GM) norm. Despite losing her final round game against the renowned GM Gregory Kaidanov, Vaishali's remarkable performance throughout the tournament ensured her place as the best women's

player at the prestigious event.

Read more at :

<https://indianexpress.com/article/sports/chess/vaishali-rameshbabu-earns-final-grandmaster-norm-at-qatar-masters-2023-8993505/>



SCIENCE

Gaganyaan mission: First test vehicle flight on October 21

October 17,2023

Gaganyaan's first test vehicle mission that will see the crew module being carried to a height of 17 km to test mid-flight crew escape system will take place on October 21 between 7 am and 9 am, according to Indian Space Research Organisation. Recovery of crew module after splashdown in Bay of Bengal will also be practised during this mission.

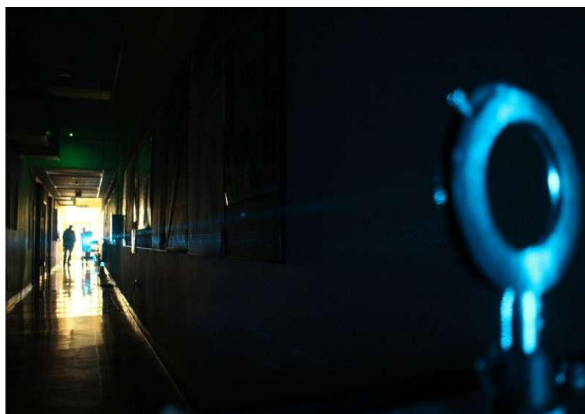


Read more at :

<https://indianexpress.com/article/technology/science/gaganyaan-mission-first-test-vehicle-flight-on-october-21-8986432/>

Physicists create new form of antenna for radio waves

October 18,2023



University of Otago physicists have used a small glass bulb containing an atomic vapor to demonstrate a new form of antenna for radio waves. The bulb was "wired up" with laser beams and could therefore be placed far from any receiver electronics.

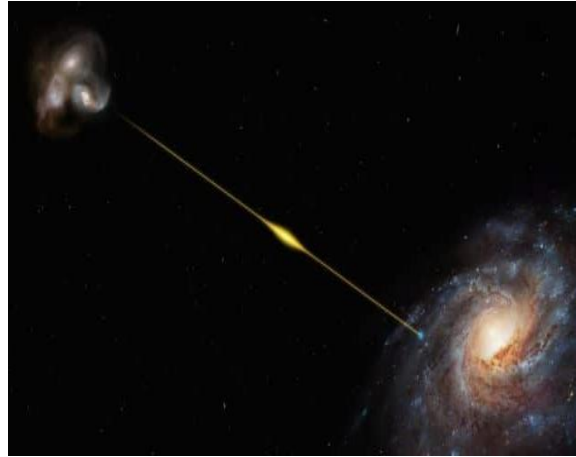
Read more at :

<https://phys.org/news/2023-10-physicists-antenna-radio.html>

Scientists spot most distant 'fast radio burst' recorded in history

October 19, 2023

Researchers discovered a remote blast of cosmic radio waves that lasted less than a millisecond in June last year. This "fast radio burst" is the most distant ever detected and its source is in a galaxy so far away that it took eight billion years to reach us. It is also one of the most energetic ones ever observed. In a fraction of a second, it released the equivalent of 30 years of emissions from our Sun.



Read more at :

<https://indianexpress.com/article/technology/science/most-distant-fast-radio-burst-universe-mass-8990626/>

International team develops novel DNA nano engine

October 19, 2023



An international team of scientists has recently developed a novel type of nano engine made of DNA. It is driven by a clever mechanism and can perform pulsing movements. The researchers are now planning to fit it with a coupling and install it as a drive in complex nano machines. Their results have been published in the journal Nature Nanotechnology.

Read more at :

<https://phys.org/news/2023-10-international-team-dna-nano.html>

In an ancient hot spring haunt of Inca rulers, scientists discover a new freshwater shrimp-like species

October 19,2023

In an ancient hot spring haunt of Incan rulers, researchers discovered a new species of tiny shrimp-like scavengers known as amphipods thriving at record temperatures that can cook other crustaceans to death.

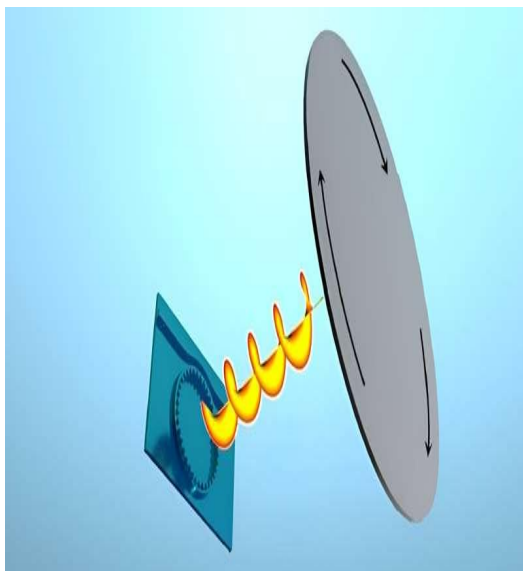


Read more at :

<https://phys.org/news/2023-10-ancient-hot-inca-rulers-scientists.html>

Revolutionizing radar: Integrated THz emitter for precise rotating target detection

October 20,2023



You may not realize it, but the Doppler effect is everywhere in our lives, from tracking the speed of cars with radar to locating satellites in the sky. It's all about how waves change their frequency when a source (like a radar signal) and a detector are in motion relative to each other. However, traditional radar systems hit a roadblock when trying to detect objects moving at right angles to their radar signals. This limitation has driven researchers to explore an entirely new approach.

Read more at :

<https://phys.org/news/2023-10-revolutionizing-radar-thz-emitter-precise.html>

New 3D-printed tumor model enables faster, less expensive and less painful cancer treatment

October 21,2023

An international team of interdisciplinary researchers has successfully created a method for better 3D modeling of complex cancers. The University of Waterloo-based team combined cutting-edge bioprinting techniques with synthetic structures or microfluidic chips. The method will help lab researchers more accurately understand heterogeneous tumors: tumors with more than one kind of cancer cell, often dispersed in unpredictable patterns.

Read more at :

<https://phys.org/news/2023-10-3d-printed-tumor-enables-faster-expensive.html>

Gaganyaan: Launch to splashdown, ISRO clears key step towards human space mission

October 22,2023

Setting the stage for its planned mission, Gaganyaan, to take Indian astronauts into space by 2024, the Indian Space Research Organisation successfully carried out Saturday, after overcoming a technical glitch, a crucial test of the crew escape system. The launch of the mission, Flight Test Vehicle Abort Mission (TV-D1), scheduled for 8 am, was delayed due to weather factors and a snag in the rocket's ignition detected at 8.45 am put the mission on hold. However, scientists quickly identified and corrected the "anomaly" and return to the launchpad at the Satish Dhawan Space Centre at Sriharikota for a launch at 10 am.

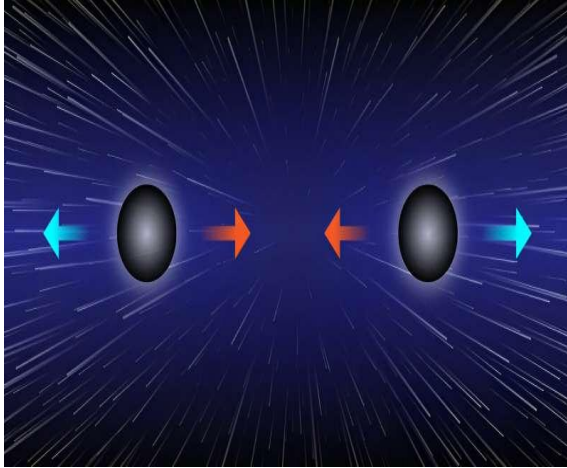


Read more at :

<https://indianexpress.com/article/technology/science/launch-to-splashdown-isro-human-space-mission-8993979/>

Black holes could come in 'perfect pairs' in an ever expanding universe

October 22,2023



Researchers from the University of Southampton, together with colleagues from the universities of Cambridge and Barcelona, have shown it's theoretically possible for black holes to exist in perfectly balanced pairs—held in equilibrium by a cosmological force—mimicking a single black hole. Black holes are massive astronomical objects that have such a strong gravitational pull that nothing, not even light, can

escape. They are incredibly dense. A black hole could pack the mass of the Earth into a space the size of a pea.

Read more at :

<https://phys.org/news/2023-10-black-holes-pairs-universe.html>

'Mind-blowing': Astronomers spot most distant radio burst yet

October 22,2023

Eight billion years ago, something happened in a distant galaxy that sent an incredibly powerful blast of radio waves hurtling through the universe. It finally arrived at Earth on June 10 last year and—though it lasted less than a thousandth of a second—a radio telescope in Australia managed to pick up the signal. This flash from the cosmos was a fast radio burst (FRB), a little-understood phenomenon first discovered in 2007.



Read more at :

<https://phys.org/news/2023-10-mind-blowing-astronomers-distant-radio.html>



TECHNOLOGY

Aadhaar bug that exposed biometric data fixed by West Bengal government

October 15, 2023



An independent security researcher has revealed that a bug on the e-District web portal of the West Bengal government, which was fixed last week, exposed the biometric data and Aadhaar numbers of millions of state residents. The e-District web portal allows state residents to access various

government services online, such as obtaining land deeds and certificates.

Read more at :

<https://indianexpress.com/article/technology/tech-news-technology/aadhaar-bug-biometric-data-fixed-state-govt-8981087/>

Google Clock gets new weather forecast and alarm sync features

October 18, 2023

Google is rolling out some new features to its Clock app. The latest version of the app (Clock v7.6) now includes a weather forecast toggle and the ability to sync alarms with WearOS devices. According to a post by Mishaal Rehman on X (formerly Twitter), when setting up a new alarm, the Clock app shows a new option called 'Weather Forecast', which shows the local weather information when the alarm is dismissed.



Read more at :

<https://indianexpress.com/article/technology/tech-news-technology/google-clock-gets-new-weather-forecast-and-alarm-sync-features-8988342/>

Meet NAO, the social robot spearheading a new wave of autism treatment in Kazakhstan

October 18, 2023



The longing gaze of a child can hold immeasurable power. Young Iliyana's mother, Anya (name changed), yearned for seven long years to witness this profound moment – the instant when her daughter's eyes would meet hers. And then, on one extraordinary day, it happened. Iliyana looked into the hazel eyes of Anya, and in that fleeting moment, tears of joy flowed freely.

Read more at :

<https://indianexpress.com/article/technology/tech-news-technology/nao-robot-for-autism-anara-sandygulova-8986897/>

Israel exploring SpaceX Starlink satellite internet service for communication

October 19, 2023

Ahead of an expected imminent ground invasion of Gaza, Israel is in talks with SpaceX to set up Starlink satellite internet services to aid with wartime communications. SpaceX's Starlink service uses constellations of low-Earth orbit satellites to deliver low-latency internet to users. The service is currently not available in Israel and users need a Starlink terminal in order to access it. An



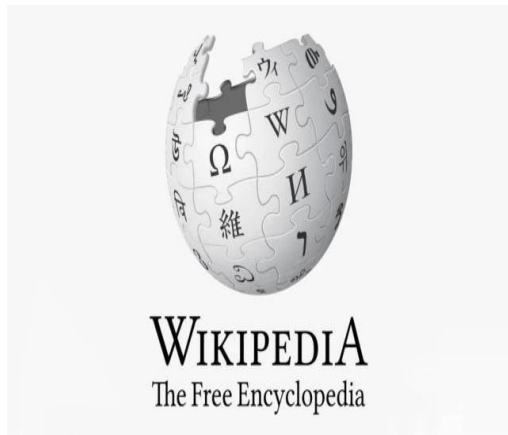
An Israeli official said that the country is in talks with SpaceX to bring Starlink service as it is looking into stopping cell and internet communications in Gaza.

Read more at :

<https://indianexpress.com/article/technology/science/israel-spacex-starlink-satellite-internet-gaza-8989179/>

AI can help Wikipedia fix inaccurate and incomplete citations: Study

October 22,2023



Wikipedia is the go-to place for millions around the world to look up information about almost everything on the internet. The non-profit organisation has thousands of volunteers who frequently check the accuracy and reliability of sources cited on the website, but some of them are flawed, contain inaccurate information or link to sources that are not reliable

Read more at :

<https://indianexpress.com/article/technology/artificial-intelligence/ai-can-help-wikipedia-fix-inaccurate-and-incomplete-citations-study-8994671/>