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**CHANGANASSERY, KERALA**

SCIENCE

ARTS

TECHNOLOGY

SPORTS

# BERCHLY

## E WEEKLY

PREPARED BY

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# SCIENCE

## A ‘Goldilocks’ star reveals hidden step in how water gets to planets like Earth

(March 19, 2023)

Astronomers typically refer to the journey water takes from its formation as individual molecules in space to its resting place on the surfaces of planets as “the water trail.” Image for Representation. Without water, life on Earth could not exist as it does today. Understanding the history of [water](#) in the universe is critical to understanding how planets like Earth come to be. Astronomers typically refer to the journey water takes from its formation as individual molecules in space to its resting place on the surfaces of planets as “the water trail.”

Read more at: <https://www.thehindu.com/sci-tech/science/a-goldilocks-star-reveals-hidden-step-in-how-water-gets-to-planets-like-earth/article66638220.ece>

## Scientists create mice with cells from 2 males for first time

(March 18, 2023)

This photo provided by researcher Katsuhiko Hayashi shows mice derived from stem cells, four weeks after their birth, in Osaka, Japan in September 2021. In a study published Wednesday, March 16, 2023, in the journal Nature, scientists led by Hayashi have created baby mice with two fathers for the first time by turning male mouse stem cells into female cells in a lab. For the first time, scientists have created baby mice from two males. This raises the distant possibility of using the same technique for people – although experts caution that very few mouse embryos developed into live mouse pups and no one knows whether it would work for humans.

Read more at: <https://www.thehindu.com/sci-tech/science/scientists-create-mice-with-cells-from-2-males-for-1st-time/article66634969.ece>

# Tamil Nadu's novel initiative results in reduced TB deaths

(March 18, 2023)

Tamil Nadu has pioneered an initiative across the State to reduce the mortality rate among people with tuberculosis. The initiative — TN-KET (Tamil Nadu Kasanoi Erappila Thittam, meaning TB death-free project) — which began in April 2022 in 2,500-odd public healthcare facilities that diagnosed TB in 30 districts, has already achieved significant reduction in the number of early TB deaths. Nearly 70% of all TB deaths among notified TB patients take place in the first two months after diagnosis. In Tamil Nadu, thanks to TN-KET, deaths within two months of TB diagnosis, referred to as early TB deaths, have reduced from more than 600 in April 2022 to less than 350 in December 2022. Also, the average time to death after diagnosis doubled from less than 20 days before April to 40 days in July 2022.

Read more at; <https://www.thehindu.com/sci-tech/science/tamil-nadus-novel-initiative-results-in-reduced-tb-deaths/article66631322.ece>

# Google Doodle celebrates 80th birthday of Dr. Mario Molina

(March 19, 2023 )

Google Doodle celebrated the 80th birthday of a Mexican chemist, Dr. Mario Molina. Google on March 19 celebrated the 80th birthday of a Mexican chemist, Dr. Mario Molina, who successfully convinced governments to come together to save the planet's ozone layer, with a doodle depicting his achievements. A co-recipient of the 1995 Nobel Prize in Chemistry, Dr. Molina was one of the researchers who exposed how chemicals deplete Earth's ozone shield, which is vital to protecting humans, plants, and wildlife from harmful ultraviolet light, Google wrote in a blogpost.



Read more at: <https://www.thehindu.com/sci-tech/science/google-doodle-celebrates-80th-birthday-of-dr-mario-molina/article66637857.ece>



# ARTS

## Cambodia celebrates return of 'priceless' stolen artifacts (March 16, 2023)

The returned items included important Hindu and Buddhist statues, as well as ancient jewelry from the once-mighty empire of Angkor. Centuries-old cultural artifacts that had been illegally smuggled out from Cambodia were welcomed home Friday at a celebration led by Prime Minister Hun Sen, who offered thanks for their return and appealed for further efforts to retrieve such stolen treasures. Centuries-old cultural artifacts that had been illegally smuggled out from **Cambodia** were welcomed home Friday at a celebration led by Prime Minister Hun Sen, who offered thanks for their return and appealed for further efforts to retrieve such stolen treasures.



Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/cambodia-celebrates-return-of-priceless-stolen-artifacts-8505549/>

## Rome street artist's career took flight by painting pope as superhero

(March 15, 2023)

Another of his murals depicts the pope as a street artist painting a peace sign on a wall while a Swiss Guard is watching out for the police. Pallotta has met the pope three times and said Francis appreciates his work, so much so that he gave him permission to paint a mural showing the pope and a sick boy in separate wheelchairs on a wall of Rome's children's hospital.

Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/rome-street-artists-career-took-flight-by-painting-pope-as-superhero-8494558/>



## Saudi sculptor steps into limelight as religious curbs ease (March 14, 2023 )

Crown Prince Mohammed bin Salman has curbed the influence of Wahhabism on Saudi society and arts, also reining in the religious police and letting women drive cars. Awatif Al-Keneibit, a Saudi artist, shows her art in her studio, an art-form previously frowned upon in the country but now gaining more acceptance, in Riyadh, Saudi Arabia. Saudi ceramic artist Awatif Al-Keneibit walks proudly into a gallery displaying her work in Riyadh, where statues and earthenware figurines witness the return of **plastic arts** to Saudi Arabia after decades of religious restriction.



*credited :: Reuters*

Read more at:

<https://indianexpress.com/article/lifestyle/art-and-culture/saudi-sculptor-religious-curbs-ease-8494261/>

## Meet the craftspersons from across India at Weaves and Crafts Bazaar in Visakhapatnam

*(March 16, 2023)*

People going around stalls by craftspersons at the three-day Weaves and Crafts Bazaar organised by Crafts Council of Andhra Pradesh at Gandhi Community Centre in Visakhapatnam . K Shankar from Etikopakka village in Andhra Pradesh, Jayoti Acharya from Bolepur in West Bengal and Bibaji Chudiwala from Jodhpur in Rajasthan are among the group of craftspersons and weavers who have come to Visakhapatnam to participate in the Weaves and Crafts Bazaar organised by Crafts Council of Andhra Pradesh (CCAP). The expo features saris, hand-woven fabrics, traditional Indian art and craft kits and products by weaving and craft clusters across India.



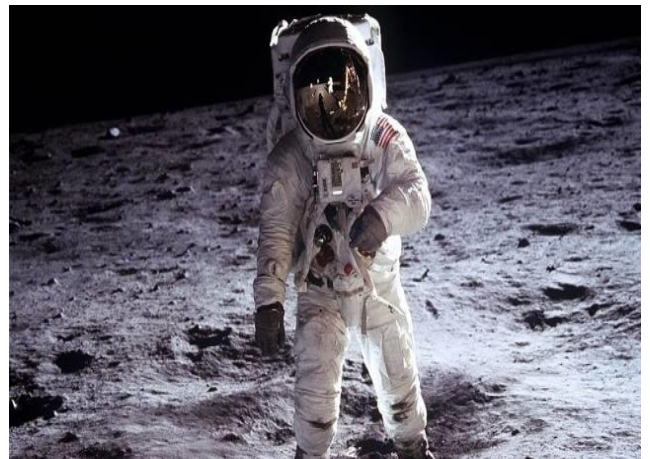
Read more at: <https://www.thehindu.com/entertainment/art/meet-the-craftspersons-from-across-india-at-weaves-and-crafts-bazaar-in-visakhapatnam/article66625901.ece>



## Before Artemis came Apollo: How NASA took its baby steps to the Moon

(March 19, 2023)

Much before NASA's Artemis program came the Apollo program, which is the first, and so far, last program to put a human on the Moon. Here is a brief history of the Apollo program and how NASA put man on the Moon. Buzz Aldrin walking on the surface of the Moon. Neil Armstrong, who took the image, can be seen in the reflection on Aldrin's helmet. Time flies. Just last year, NASA took its first few steps on [its return to the Moon with the successful completion of the Artemis 1 mission](#).



credit: NASA

Read more at;

<https://indianexpress.com/article/technology/science/nasa-before-artemis-apollo-program-moon-missions-history-8506913/>

## GPT-4 'devises its own escape' as OpenAI CEO Sam Altman warns about AI threat

(March 19, 2023 )

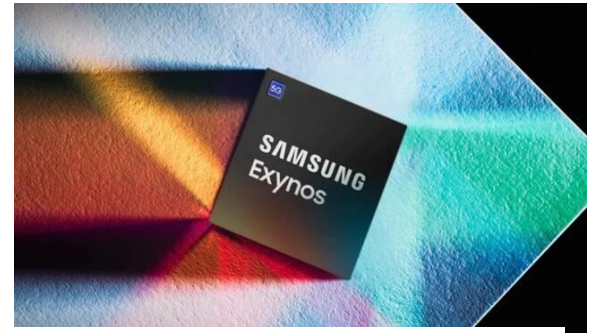
The GPT-4 is more powerful, faster and processes more contextualized outputs compared to its predecessor that was released last year. Ever since its launch, [ChatGPT has been making waves](#) across the world. Each day, new possibilities emerge for millions of people who have been experimenting with the revolutionary conversational bot. Regardless of its bounties, Artificial Intelligence comes with a cost. Recently, Sam Altman, CEO of OpenAI, warned that the technology also comes with real dangers as it has the potential to reshape society.

Read more at: <https://indianexpress.com/article/technology/artificial-intelligence/openai-chatgpt-gpt-4-escape-sam-altman-8504934/>

# Google spotted 18 Zero-Day flaws in Samsung Exynos chips

( March 14, 2023 )

Google, Samsung, and Vivo phones are vulnerable. If you own an Android smartphone from brands like Samsung, Pixel or Vivo, then your device could be severely compromised. People with bad intentions could take control of the device just by knowing your phone number, suggest Google's in-house security analysts from Project Zero. OEMs are likely to release an OTA update to fix the issue pretty soon.



*credit: Samsung*

Read more at:

<https://indianexpress.com/article/technology/tech-news-technology/google-spotted-18-zero-day-flaws-in-samsung-exynos-chips-8506074/>

## XR one of few technologies enterprise is going to lead, drive prices down for consumers': Lenovo

(March 16, 2023)

In an interview with Indian Express, Vishal Shah, General Manager, XR (AR/VR) and Metaverse at Lenovo, opens up on the future of tech beyond smartphones. Vishal Shah, who leads XR and Metaverse domains at Lenovo, has a job that requires him and his team to look past the smartphone revolution and lay the groundwork for the next big thing in tech: a headset that blends the digital world with the real one.

Read more at: <https://indianexpress.com/article/technology/lenovo-vishal-shah-augmented-reality-interview-8505916/>

## Battlefield, Apex Legends, Auto Chess: Top 5 mobile games getting cancelled this year

(March 18, 2023)

Mobile was supposed to be released on Android first. Seeing a videogame you've spent countless hours playing with friends or just grinding alone to unlock the collectable of your dreams is an infliction one wouldn't wish upon the worst of their enemies. But while popular titles on PC and console typically see lengthy lifetimes, the mobile gaming market is arguably not that stable. For example, EA has decided to cancel Battlefield Mobile despite the hype it generated and the fact that it was nearly ready to launch.

Read more at: <https://indianexpress.com/article/technology/gaming/top-5-mobile-games-getting-cancelled-this-year-8505286/>





## SPORTS

### Hasselbaink backs Chelsea to shake off their blues

*(March 19, 2023)*

A member of Premier League's top-six, the London club has struggled this season despite spending heavily to acquire top talent in the January transfer window Jimmy Floyd Hasselbaink, Chelsea's Premier League Golden Boot winner in the 2000-01 season, believes that unlike the Roman Abramovich era, the new club ownership wants continuity and is therefore patient with under-fire manager Graham Potter. Chelsea, who were held by Everton 2-2 on Saturday night and remain 10th in the Premier League table, have had an underwhelming season so far. Potter faces the heat to deliver after the club spent heavily in the January transfer window.

Read more at: <https://www.hindustantimes.com/sports/football/hasselbaink-backs-chelsea-to-shake-off-their-blues-101679248445217.html>

### International boxing caught in a different sparring contest

*(March 14, 2023)*

The world body allowing Russian and Belarus boxers to compete in the Delhi worlds under their flags has led to a 11-country boycott of the event. International boxing is at the crossroads. Not only is the International Boxing Association (IBA) fighting to keep the sport in the Olympics for 2028 Los Angeles, it is also battling internal turmoil. boxer Anna Aedma arrives for her match against Monique Suraci of Australia in the Round of 32 of the elite women 50-52kg fly weight category at the Women's World Boxing Championships at Indira Gandhi Indoor stadium in New Delhi, India, March 16, 2023.

Read more at: <https://www.hindustantimes.com/sports/others/international-boxing-caught-in-a-different-sparring-contest-101679247577228.html>

# Max Verstappen completes practice sweep in Saudi Arabian Grand Prix

*(March 12, 2023)*

The Red Bull driver, winner of the opening race in Bahrain, was fastest in both sessions on Friday and wrapped up final practice again on top of the timesheets. Formula One world champion Max Verstappen completed a dominant hat-trick of top times in practice for the Saudi Arabian Grand Prix on Saturday. The Red Bull driver, winner of the opening race in Bahrain, was fastest in both sessions on Friday and wrapped up final practice again on top of the timesheets at Jeddah's Corniche street circuit. Mexican team mate Sergio Perez was second fastest.



Read more at: <https://www.hindustantimes.com/sports/others/max-verstappen-completes-practice-sweep-in-saudi-arabian-grand-prix-101679159788684.html>

# All England: Jolly-Gyatri come up short against Korean defence

*(March 15, 2023)*

The young Indian pair lost the All England women's doubles semis against Baek-Lee in straight games 21-10, 21-10. At their best, Gayatri Gopichand and Treesa Jolly are full of attacking verve and energy. They go hard at their opponents — Jolly attacking, Gayatri at the net, working in tandem. That is their Plan A. But what do they do when this plan doesn't work? What is their Plan B? In the semi-final of the All England Open Badminton Championships on Saturday, against the Korean pairing of Baek Ha Na and Lee So Hee, the young Indians found out that they are still lacking in that department as they lost 21-10, 21-10 in 46 minutes.



*credited: times on india*

Read more at:

<https://www.hindustantimes.com/sports/badminton/all-england-teresa-jolly-gayatri-gopichand-come-up-short-against-korean-defence-101679144843930.html>