



# St Berchmans College

Founded 1922

**AUTONOMOUS**

College with Potential for Excellence | Reaccredited by NAAC with A Grade

**CHANGANASSERY, KERALA**

SCIENCE

ARTS

TECHNOLOGY

SPORTS

# BERCHLY

## E WEEKLY

PREPARED BY

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

COORDINATOR: SHEHITHA SALIM (ASSISTANT PROFESSOR, DLISc)



# CONTENTS



SCIENCE



ARTS



TECHNOLOGY



SPORTS





# SCIENCE

## Ultracool dwarf binary stars break records

### Astrophysicists discover the closest and oldest ultracool dwarf binary ever observed

*(March 1, 2023)*

Astrophysicists have discovered the tightest ultracool dwarf binary system ever observed. The two stars are so close that it takes them less than one Earth day to revolve around each other. In other words, each star's 'year' lasts just 17 hours. Northwestern University and the University of California San Diego (UC San Diego) astrophysicists have discovered the tightest ultracool dwarf binary system ever observed. The two stars are so close that it takes them less than one Earth day to revolve around each other. In other words, each star's "year" lasts just 17 hours. The newly discovered system, named LP 413-53AB, is composed of a pair of ultracool dwarfs, a class of very low-mass stars that are so cool that they emit their light primarily in the infrared, making them completely invisible to the human eye.

Read more at: <https://www.sciencedaily.com/releases/2023/03/230301162706.htm>

## Resurrected supernova provides missing-link

*(March 2, 2023)*

Astronomers have discovered a supernova exhibiting unprecedented rebrightening at millimeter wavelengths, providing an intermediate case between two types of supernovae: those of solitary stars and those in close-binary systems. Many massive stars end their lives in a catastrophic explosion known as a supernova (SN). Supernovae increase rapidly in brightness, and then fade over the course of several months.

Read more at: <https://www.sciencedaily.com/releases/2023/03/230302093414.htm>



# Fukushima plant head: Too early to predict decommissioning

*(March 3, 2023)*

The head of Japan's wrecked Fukushima nuclear plant says details of the damage inside its reactors are only beginning to be known 12 years after it was hit by a massive earthquake and tsunami, making it difficult to foresee when or how its decommissioning will be completed. The most pressing immediate task is [to safely start releasing large amounts of treated but still radioactive water from the plant into the sea](#), Akira Ono said in an interview with The Associated Press. The March 2011 earthquake and tsunami damaged cooling systems at the Fukushima Daiichi plant, causing three reactors to melt and release large amounts of radiation.

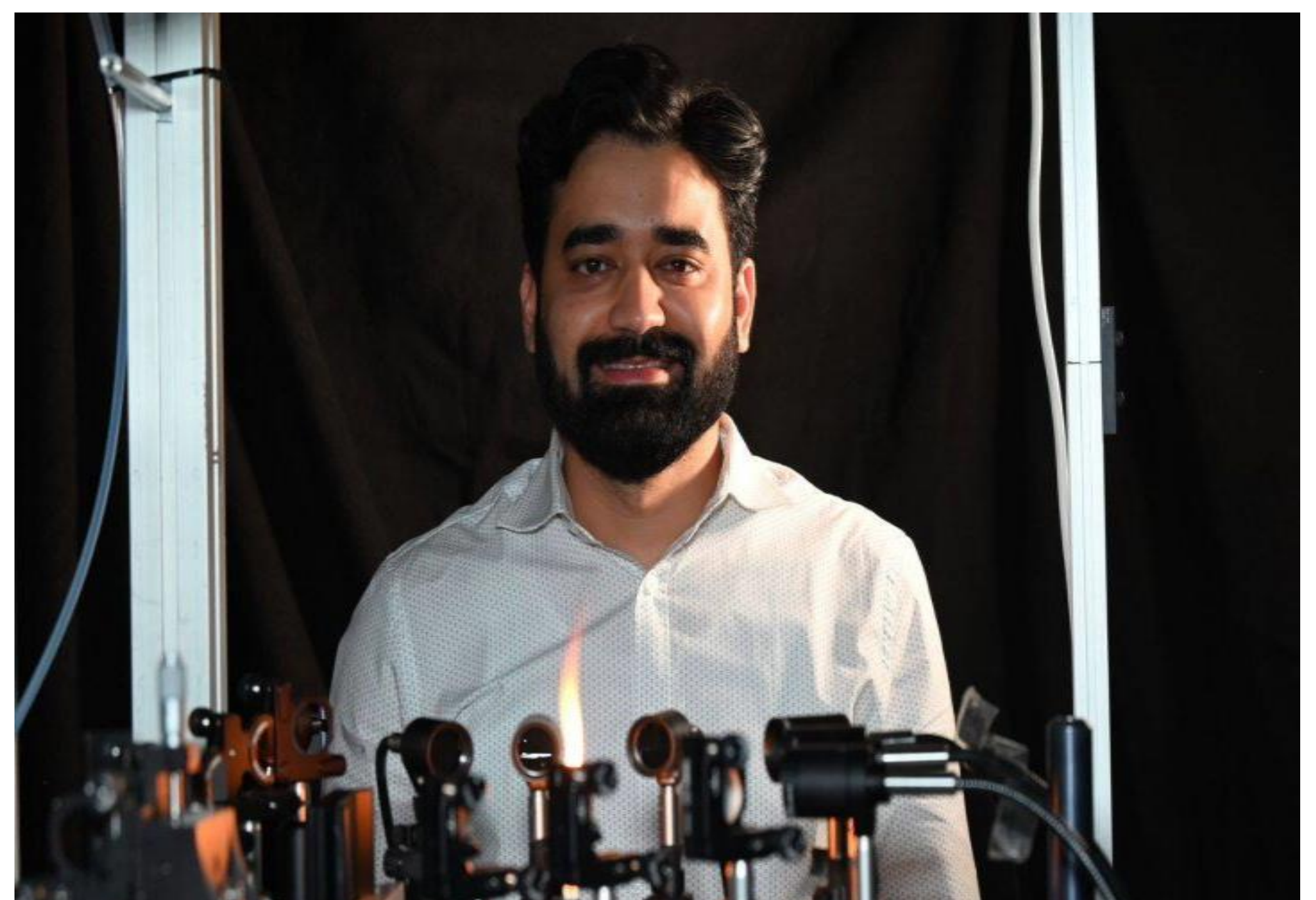


Read more at: <https://indianexpress.com/article/technology/science/fukushima-nuclear-disaster-8477472/>

# scientist from Uttar Pradesh village has developed world's fastest laser sheet imaging tech to capture combustion

*(March 5, 2023)*

The laser imaging system developed by Dr Mishra and his colleagues is 1000 times faster than existing imaging technology for combustion. For young scientist Yogeshwar Nath Mishra, the journey from Azamgarh in Uttar Pradesh to California was not easy. His father, a farmer, made a lot of sacrifices to let him achieve his dreams. The struggle, however, bore fruit as Mishra is now part of a team at NASA, Caltech that has invented the world's fastest laser sheet imaging technology that can help in the study of nanoparticles in flames.



Read more at: <https://indianexpress.com/article/technology/science/this-nasa-scientist-from-uttar-pradesh-village-has-created-worlds-fastest-laser-imaging-tech-8477142/>





# ARTS

## Paving the way for women artisan

*(March 01, 2023)*

A heaven for handicraft lovers, Nature Bazaar is an initiative by Dastkar, an NGO helping craftspeople become self-sufficient. The Nature Bazaar provides craftspeople with exposure to and direct interaction with the urban customers. After the COVID-19 pandemic-induced lockdowns halted small businesses, Dastkar introduced a new programme called “Backing Women Artisans” in collaboration with American Express.

Read more at:

<https://www.thehindu.com/entertainment/art/paving-the-way-for-women-artisans/article66540863.ece>



*Credit: Special Arrangement*

## Get life lessons through an oracle/tarot deck that retells stories from The Mahabharatha

*(February 23, 2023)*

It is not your typical Tuesday afternoon. There is intrigue in the air as a beautifully-illustrated deck of cards is laid out on the table. On one is a smiling Rukmini adorned with flowers, her eyes brimming with devotion, while on another is Yama atop his buffalo, his mighty stature prepared to avenge, rising from a circle of fire. The familiar characters from Indian epics are eye-catching, but they come bearing questions and life lessons for the self.

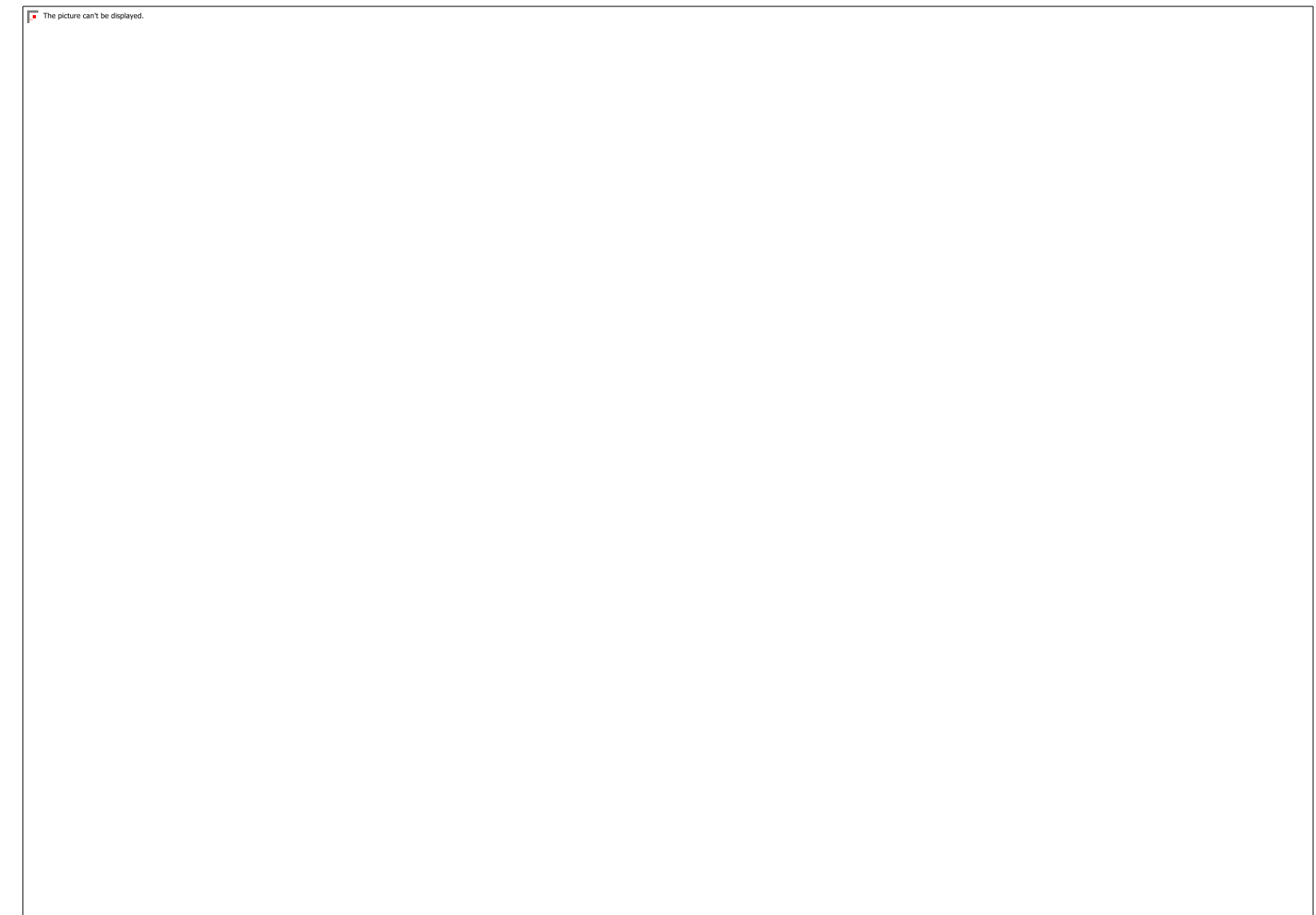
Read more at: <https://www.thehindu.com/entertainment/art/get-life-lessons-through-an-oracletarot-deck-that-retells-stories-from-the-mahabharatha/article66507603.ece>



# The 'Upside' of NFTs | Lisa Ray's digital art platform, TheUpsideSpace, promises a curated experience

*(February 24, 2023)*

Lisa Ray has added another tag to her already long list, that of actor, model, author, philanthropist and social activist. She is the force behind the recently-launched curator-led digital art and NFT (non-fungible token) platform, [TheUpsideSpace](https://www.theupsidespace.com) — which brings to the centerstage a new generation of artists from South, East, and West Asia. Ahead of their premier at Art Dubai (March 1-5), we catch up on Zoom. I notice that the walls of her Dubai home are covered with art, including works by Jogen Chowdhury and Suhas Roy.



*Credit: TheUpsideSpace*

Read more at: <https://www.thehindu.com/entertainment/art/lisa-ray-nft-digital-art-platform-the-upside-space-curator-led-ayesha-khan-collector/article66537024.ece>

## Mythological Oil Paintings of Bengal: 19th & early 20th century

*(March 01, 2023)*

A curated collection of oil paintings from the 19th and early 20th century is currently on display at the Surenindra Paul Art Gallery, offering art lovers a rare glimpse of mythological paintings from that era. Titled Mythological Oil Paintings: 19th & early 20th century of Bengal, the exhibition showcases 27 works on loan from private collectors from across the country. According to Vasundhara Tewari Broota, a renowned Indian painter and Director of Sangeet Shyamala, where the exhibition is being held, this rare artwork from when oil paintings began in India depicts mythological figures most people will be familiar with. The exhibition includes paintings of Radha and Krishna, Kalankavajan, Goddess Kali and Lord Rama.

Read more at: <https://www.thehindu.com/entertainment/art/mythological-oil-paintings-of-bengal-19th-early-20th-century/article66511596.ece>





## India to manufacture USD 300 billion electronic goods by 2026: Rajeev Chandrasekhar

(February 25, 2023)

From next year, mobile phones will be among top 10 categories for exports from India (Image credit: Anuj Bhatia/Indian Express) Union Minister Rajeev Chandrasekhar said that Prime Minister Narendra Modi has laid out a vision that India would play a significant role in the global electronics supply chain and manufacture USD 300 billion electronics goods by 2026.”PM has laid out a very clear vision that India will be a significant player in the global electronics supply chain. He laid a target that India will do a 300 billion dollars of electronics manufacturing by 2026,” said Chandrasekhar on Saturday.”



Read more at: <https://indianexpress.com/article/technology/tech-news-technology/india-to-manufacture-usd-300-billion-electronic-goods-by-2026-rajeev-chandrasekhar-8479817/>

## Apple’s Lisa Jackson: Indian govt’s commitment to energy is like a wind at our back

(March 5, 2023)

The first Black person to become Administrator of the US Environmental Protection Agency, Lisa Jackson is now Apple’s vice-president of Environment, Policy and Social Initiatives. *The first Black person to become Administrator of the US Environmental Protection Agency, Lisa Jackson is now Apple’s vice-president of Environment, Policy and Social Initiatives, overseeing the company’s efforts to minimise its impact on the environment.*

Read more at: <https://indianexpress.com/article/technology/tech-news-technology/apples-lisa-jackson-india-interview-8479844/>



# Motorola's Rizr rises above everything else on show at this year's MWC

(March 1, 2023)

Some of the biggest mobile phones the world has seen, including Nokia's 808 PureView, launched at the annual Mobile World Congress in Barcelona. While this year's MWC drew a lot of eyeballs and plenty of attention due to a number of high-profile launches from the world's biggest smartphone brands, what really stood out was the showcase of a rollable phone concept from Lenovo-owned Motorola. With smartphones hitting an innovation plateau, rollable displays offer a new segway into how these devices might evolve in the future.



*credit: Anuj Bhatia / Indian Express*

Read more at: <https://indianexpress.com/article/technology/tech-news-technology/motorola-rizr-rises-above-everything-else-at-mwc-2023-8477360/>

# ChatSonic launches ChatGPT-like 'super powerful' Chrome extension: Here's how to use it

(March 4, 2023)

ChatGPT seems to be everywhere you turn. On Twitter, on Instagram, even Bill Gates says he loves playing around with the AI chatbot created by OpenAI. But the general-purpose AI chatbot may not be appropriate for all use cases, which is where tools like Chatsonic come into play. Here is how you can use ChatSonic's new Google Chrome extension to create content for various platforms from within the browser. Writesonic's ChatSonic is an AI chatbot tool that can be used to create different kinds of text-based content, including social media captions, full-length blog posts, press releases, advertisement copy and a lot more. According to the company, Writesonic is especially useful when it comes to helping users create search-engine-optimised content for their blogs.

Read more at: <https://indianexpress.com/article/technology/tech-news-technology/chatsonic-writesonic-chrome-extension-chatgpt-alternative-8479178/>





## SPORTS

### **UFC 285 Highlights: Jon Jones enters history books with heavyweight title, Alexa Grasso lifts women's flyweight crown**

*(March 05, 2023)*

UFC 285 Highlights: Jon Jones surpassed Ciryl Gane to become the new heavyweight champion in the main event. Meanwhile, Mexico's Alexa Grasso lifted the women's flyweight crown by defeating Valentina Shevchenko in the co-main event. Jon Jones(left) became the new heavyweight champion in UFC: Alexa Grasso lifted the women's flyweight crown by defeating Valentina Shevchenko in the co-main event of UFC 285.



Read more at: <https://www.hindustantimes.com/sports/others/live-streaming-jon-jones-vs-ciryl-gane-ufc-285-who-will-claim-the-title-101677981222735.html>

### **Liverpool humiliate Manchester United with 7-0 rout in Premier League**

**(March 6, 2023)**

Liverpool brought Manchester United crashing down to earth in a stunning 7-0 rout in the Premier League at Anfield on Sunday. Cody Gakpo, Darwin Nunez and Mohamed Salah all struck twice and Roberto Firmino scored the other, with six of the goals coming in an explosive second-half performance. The defeat was Erik ten Hag's heaviest as United manager and seriously hampered his four-pronged pursuit of trophies, with a Premier League title challenge now looking increasingly unlikely.

Read more at: <https://indianexpress.com/article/sports/football/liverpool-humiliate-manchester-united-with-7-0-rout-in-premier-league-8480993/>



# Women's Premier League: Shafali Verma, Meg Lanning and USA's Tara Norris script big win for Delhi Capitals over RCB

*(March 5, 2023)*

Delhi Capitals Tara Norris with her teammates celebrates the wicket of Royal Challengers Bangalore Disha Kasat during the 2023 Women's Premier League (WPL) Twenty20 cricket match between Delhi Capitals and Royal Challengers Bangalore at The Brabourne Stadium, in Mumbai, Sunday, March 5, 2023)The fearlessness of Shafali Verma and the class of Meg Lanning combined to put on 162 runs for the first wicket and take Delhi Capitals (DC) to 223 for 2 on a belter of a track with a lightening quick outfield after being put into bat by Royal Challengers Bangalore (RCB) skipper Smriti Mandhana.



*Credited :Kunal Patil*

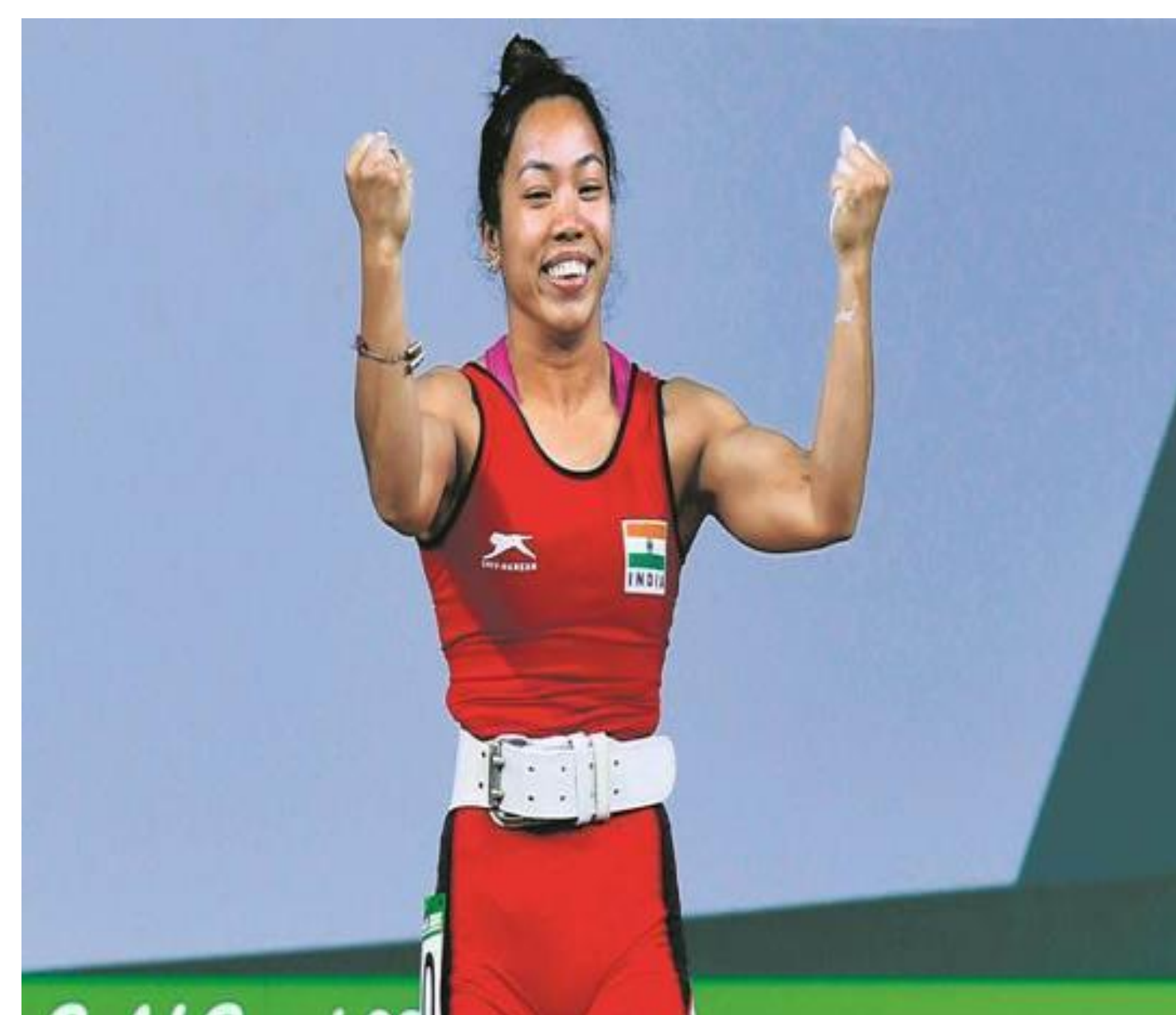
Read more at:

<https://indianexpress.com/article/sports/cricket/shafali-verma-meg-lanning-blitzkrieg-tara-norriss-five-for-guide-delhi-capitals-to-big-win-over-rcb-8480778/>

# Weightlifter Mirabai Chanu wins BBC Indian Sportswoman Of The Year award

*(March 5, 2023)*

Mirabai Chanu wins BBC Indian Sportswoman Of The Year award. Tokyo Olympic Games silver-medallist weightlifter Mirabai Chanu has bagged the 2022 'BBC Indian Sportswoman Of The Year' award after a public vote. The 28-year-old weightlifter from Manipur became the first athlete to win the award twice in a row after bagging it in 2021 as well. At the Tokyo Games, she had become the first Indian to win a silver in the sport. Last year, she went on to secure gold at the Commonwealth Games in Birmingham. She also won a silver medal at the World Weightlifting Championships in 2022.



Read more at: <https://indianexpress.com/article/sports/sport-others/weightlifter-mirabai-chanu-wins-bbc-indian-sportswoman-of-the-year-award-8480886/>