



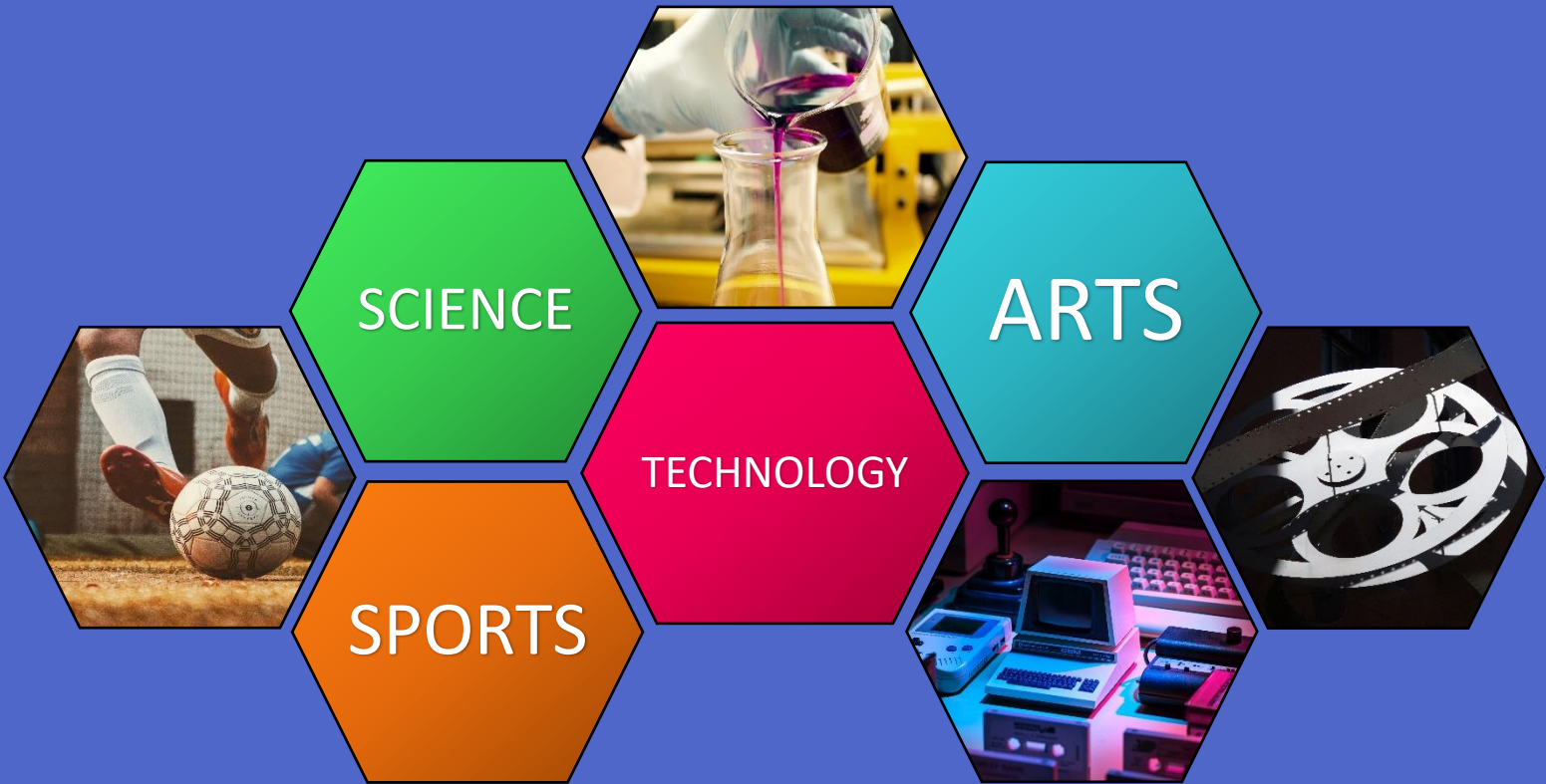
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DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
COORDINATOR: SHEHITHA SALIM (ASSISTANT PROFESSOR, DLISc)

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SCIENCE

Researchers map mosquito cells that may help the insects choose tastiest humans

(February 21, 2023)

Receptors on mosquito neurons have an important role in the insects' ability to identify people who present an attractive source of a blood meal, according to Christopher Potter, Ph.D., associate professor of neuroscience at the Johns Hopkins University School of Medicine. "Understanding the molecular biology of mosquito odor-sensing is key to developing new ways to avoid bites and the burdensome diseases they cause," he says. Worldwide, mosquito-borne diseases such as malaria, dengue fever, and West Nile virus afflict 700 million people and kill 750,000 each year. Although mosquito control efforts using nets and pesticides have helped reduce the toll, the development of better repellants to sabotage odorant attraction remains a priority.

Read more at: <https://www.sciencedaily.com/releases/2023/02/230221113012.htm>

Successful cure of HIV infection after stem cell transplantation, study suggests

(February 24, 2023)

Haematopoietic stem cell transplantation for the treatment of severe blood cancers is the only medical intervention that has cured two people living with HIV in the past. An international group of physicians and researchers from Germany, the Netherlands, France, Spain, and the United States has now identified another case in which HIV infection has been shown to be cured in the same way.

Read more at: <https://www.sciencedaily.com/releases/2023/02/230224165409.htm>

Electrodes grown in the brain -- paving the way for future therapies for neurological disorders

(February 23, 2023)

The boundaries between biology and technology are becoming blurred. Researchers at Linköping, Lund, and Gothenburg universities in Sweden have successfully grown electrodes in living tissue using the body's molecules as triggers. The result, published in the journal *Science*, paves the way for the formation of fully integrated electronic circuits in living organisms. "For several decades, we have tried to create electronics that mimic biology. Now we let biology create the electronics for us," says Professor Magnus Berggren at the Laboratory for Organic Electronics, LOE, at Linköping University.

Read more at: <https://www.sciencedaily.com/releases/2023/02/230223181803.htm>

Custom, 3D-printed heart replicas look and pump just like the real thing

(February 25, 2023)

Astronomers from the University of Texas and the University of Arizona have discovered a rapidly growing black hole in one of the most extreme galaxies known in the very early Universe. The discovery of the galaxy and the black hole at its centre provides new clues on the formation of the very first supermassive black holes. The new work is published in *Monthly Notices of the Royal Astronomical Society*.

Read more at: <https://www.sciencedaily.com/releases/2023/02/230224135116.htm>

James Webb spots super old, massive galaxies that shouldn't exist

(February 22, 2023)

In a new study, an international team of astrophysicists has discovered several mysterious objects hiding in images from the James Webb Space Telescope: six potential galaxies that emerged so early in the universe's history and are so massive they should not be possible under current cosmological theory. Each of the candidate galaxies may have existed at the dawn of the universe roughly 500 to 700 million years after the Big Bang, or more than 13 billion years ago. They're also gigantic, containing almost as many stars as the modern-day Milky Way Galaxy.

Read more at: <https://www.sciencedaily.com/releases/2023/02/230222115828.htm>



ARTS

Santanu Hazarika: 'Doodle Championship Win Made Me Realise That I Can Pursue Visual Arts As Profession'

(February 14, 2023)

Akknown doodle artist, illustrator and winner of the RedBull [World](#) Doodle Art Champion 2014, Santanu Hazarika, hails from Guwahati, Assam. The 30-year-old creative artist was inclined towards art since his childhood days. Santanu pursued engineering for some time but later dropped out of the course to pursue his dreams. He recently hit the headlines for being a part of the FIFA Anthem, also featuring Siddhant Chaturvedi, Anushka Manchanda and Divine, which has been made by popular American rapper Lil Baby. The artist, who is in a relationship with actress Shruti Haasan, often appears on her social media posts. In a conversation with News18 Showsha, Santanu talked about the reason why he got selected to be a part of the FIFA Anthem.

Read more at: <https://www.news18.com/news/lifestyle/santanu-hazarika-doodle-championship-win-made-me-realise-that-i-can-pursue-visual-arts-as-profession-exclusive-6752815.html>

Threatened by war, Ukrainian paintings find safe haven in Switzerland

(February 22, 2023)

When Russia sent [troops into Ukraine](#) a year ago, the director of the Kyiv National Art Gallery had only one thing on his mind: the safety of the paintings. As air sirens blared, Yuri Vakulenko packed a bag and headed to the gallery, where he would spend the next 66 days living in the basement, a bulletproof vest and gas mask at the ready, and caring for the exhibits. Vakulenko, who didn't want the paintings to gather dust in storage abroad, asked European museums if they would be interested in holding modified versions of two exhibitions that had already been held in Ukraine.

Read more at: <https://www.thehindu.com/entertainment/art/threatened-by-war-ukrainian-paintings-find-safe-haven-in-switzerland/article66543742.ece>



Nifty forms a long bear candle. What traders should do next week?

(February 22,2023)

Indicating a downtrend continuation pattern, a long bear candle was formed on Nifty's daily chart today. Negative chart patterns like lower tops and bottoms were formed on the weekly chart and **Nifty** is currently on the way down to form a new lower bottom of the sequence (below 17,353), said Nagaraj Shetti, Technical Research Analyst at **HDFC** Securities. He said Nifty is now placed near the crucial support of 17,450-17,500 levels and that there is no sign of any reversal pattern unfolding at the lows. A new swing low has been formed at 17,421 levels.

Read more at: <https://economictimes.indiatimes.com/markets/stocks/news/tech-view-nifty-forms-a-long-bear-candle-what-should-traders-do-next-week/articleshow/98211056.cms>

A space tourism balloon and Uber's EV push in India

(February 21,2023)

A Japanese startup aims to make commercial space viewing affordable and Uber announces plans to introduce electric vehicles in India for ride sharing. A journalist photographs a two-seater cabin that a startup company says is capable of rising to an altitude of 15 miles, which is roughly the middle of the stratosphere, is displayed during a news conference in Tokyo.



Read more at; <https://lifestyle.livemint.com/smart-living/innovation/week-in-tech-a-space-tourism-balloon-and-uber-s-ev-push-in-india-111677222741465.html>

How 3 Bengalureans helped SC script history with technology tool

(February 26, 2023)

BENGALURU: The Supreme Court scripted history this week by deploying an Artificial Intelligence (AI)-based tool to [start live transcription of proceedings](#). The move, which is said to modernise the legal landscape using technology, has a Bengaluru connection. Three Bengalureans, Vikas Mahendra, his brother Vinay Mahendra and brother-in-law Badarivishal Kinhal, have developed TERES (Technology Enabled RESolution), the AI engine that converted court arguments into text during live proceedings pertaining to the constitution bench hearing on the Maharashtra political controversy on Tuesday (February 21).



Read more at: <https://timesofindia.indiatimes.com/city/bengaluru/how-3-bengalureans-helped-sc-script-history-with-technology-tool/articleshow/98241338.cms>

Broader Equity Market Comes Under Pressure

(February 26, 2023)

Despite the slump in the overall stock market, PB Fintech emerged as the biggest winner by surging almost 19% this week on the BSE. Delhivery gained over 7% this week despite its major pre-IPO investor Tiger Global offloading stakes in a bulk deal. Benchmark indices Sensex and Nifty50 fell 2.5% and 2.7% to 59,463.93 and 17,465.80, respectively, this week over inflation concerns. A majority of the new-age tech stocks fell this week amid a severe slump in the overall Indian stock market due to growing inflation concerns and fears of further rate hikes by the US Fed. However, despite the pressure, PB Fintech emerged as the biggest winner by surging almost 19% this week on the BSE.

Read more at: <https://inc42.com/buzz/most-new-age-tech-stocks-slump-this-week-as-broader-equity-market-comes-under-pressure/>



SPORTS

AUS vs SA Live Score, Women's T20 World Cup 2023 Final: Mlaba cleans up Harris, Australia 3 down

(February 26, 2023)

Australia vs South Africa Live Scorecard, Women's T20 World Cup 2023 Final: Australia captain Meg Lanning won the toss and opted to bat first against South Africa in Newlands on Sunday. Both sides fielded an unchanged XI from the semifinals for the summit clash. Whatever the result in Sunday's Women's Twenty20 World Cup final against powerhouse Australia, South Africa captain Sune Luus said the team already feel like winners having become the first side from the country to reach a global final.

Read more at:

<https://indianexpress.com/article/sports/cricket/australia-vs-south-africa-live-score-icc-women-t20-world-cup-2023-final-aus-w-vs-sa-w-at-newlands-cape-town-8467460/>



The leaning tower of Messi: The bent right ankle, the curling left, the magical free-kick goal

(February 26, 2023)

It's a ritual you might have watched a thousand times. The referee signals a free-kick, [Lionel Messi](#) wanders to the spot, taking his time, as though time would stop for him. He gathers the ball, flips it a few times in his palms, as though sending across a message, then puts the ball on the spot, twists it, almost drills it into the turf and takes four steps back, his eyes unwaveringly on the ball. He strolls to the ball, then stops beside the ball—unlike many free-kickers, he plants almost his entire left-boot on the ground. The right side of the body bends, as though he is falling over, before he uncoils that wondrous left-foot at the stationary ball.

Read more at: <https://indianexpress.com/article/sports/football/the-leaning-tower-of-lionel-messi-magical-free-kick-goal-8467129/>

Olympic champ Ma Long in top field for Goa table tennis event

(February 26, 2023)

Sharath Kamal, the forever face of Indian table tennis, has never seen such a field for any tournament at home. G Sathiyam, India's highest-ranked male paddler who has also been on the pro tour for nearly a decade, will for the first time in his career experience this quality of table tennis at home. "I mean, you name the top players and they are there," Sathiyam said. That includes the world's top three in men's and women's singles as eight of the top 10 men and seven of the top 10 women will be there. That includes Ma Long, the reigning Olympic and 13-time world champion widely considered the greatest of all time.



credited by Rutvik Mehta

Read more at:

<https://www.hindustantimes.com/sports/others/olympic-champ-ma-long-in-top-field-for-go-table-tennis-event-101677418406171.html>

NBA Saturday match-up recap: Race to playoffs continues

(February 22, 2023)

Jayson Tatum hit a game-winning 3-pointer with 2.2 seconds remaining to lift the Boston Celtics past the host [Philadelphia](#) 76ers, 110-107, on [Saturday](#). Joel Embiid appeared to send the game into overtime with a 75-foot 3-pointer, but the ball was ruled to be in his hands when the clock ran out. Jaylen Brown led the Celtics with 26 points, Tatum added 18 points, 13 rebounds and six assists, and Derrick White had 18 points. Embiid was stellar with 41 points, 12 rebounds, five assists, and three blocked shots for his 14th [career game](#) with at least 40 points, 10 rebounds, and five assists. James Harden supplied 21 points. The Indiana Pacers claimed a 121-108 victory over the Orlando Magic, thanks to a strong second-half performance. Myles Turner led the way for Indiana with 24 points, while Bennedict Mathurin added 19.

Read more at:

<https://www.hindustantimes.com/sports/others/nba-saturday-match-up-recap-race-to-playoffs-continues-101677401269772.html>