



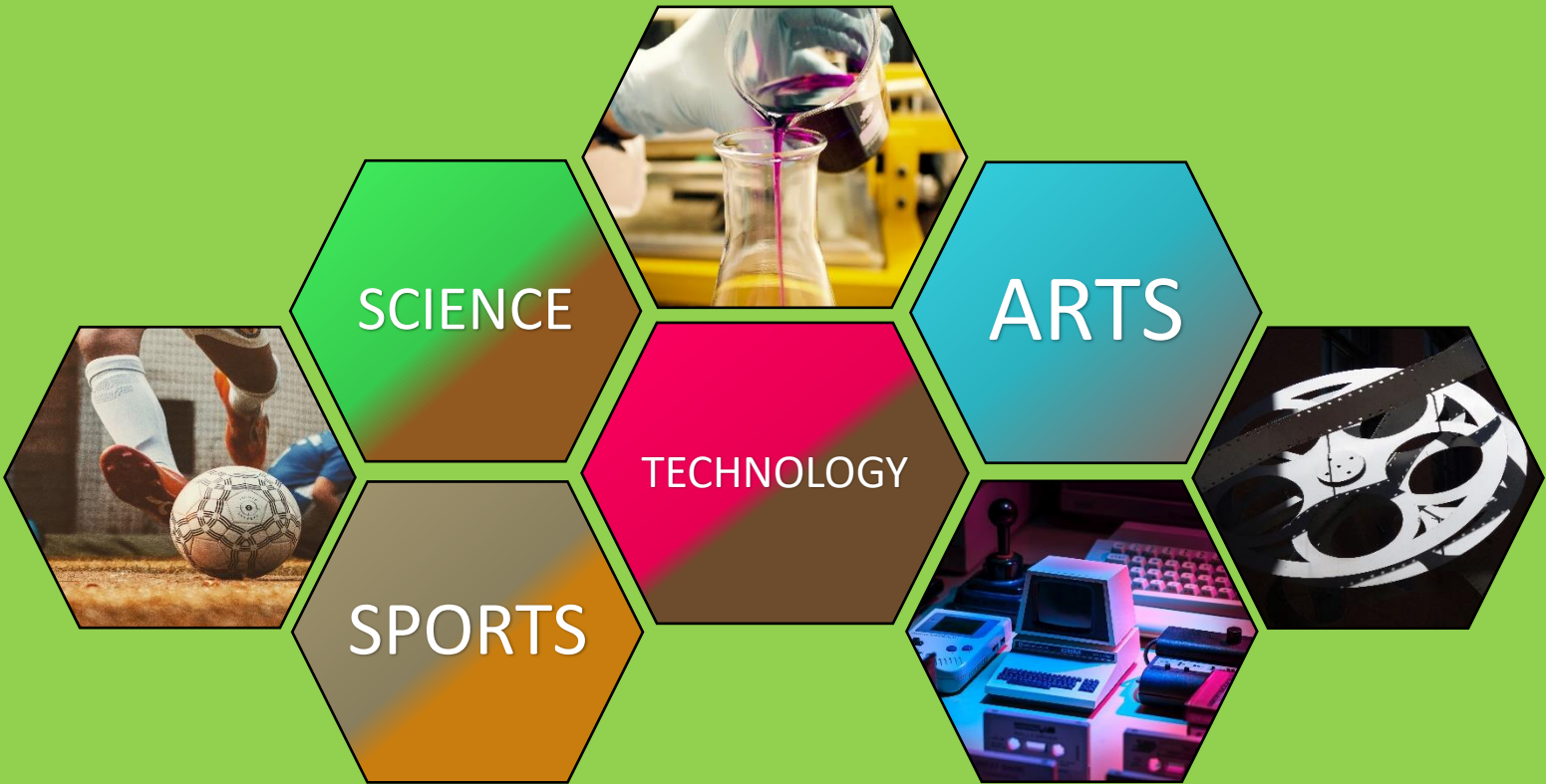
# St Berchmans College

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**CHANGANASSERY, KERALA**



# BERCHLY

## E WEEKLY

PREPARED BY

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

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# CONTENT



*SCIENCE*



*ARTS*



*TECHNOLOGY*



*SPORTS*





# SCIENCE

## **A Game-Changer in Male Contraception: Researchers Identify Key Gene**

*(April 17, 2023)*

Researchers at Washington State University have discovered a gene called *Arrdc5*, expressed in the testicular tissue of mice, pigs, cattle, and a highly effective, reversible, and non-hormonal male contraceptive for both humans and animals. The study found that when the gene was knocked out in mice, it caused infertility only in males by affecting sperm count, movement, and shape. The protein encoded by this gene is essential for normal sperm production, and the team is now working on designing a drug to inhibit its production or function. This approach avoids hormonal interference, a significant obstacle in male contraception.

Read more at: <https://scitechdaily.com/a-game-changer-in-male-contraception-researchers-identify-key-gene/>

## **Long COVID and Post-Flu Syndrome: A Surprising Similarity in Severity**

*(April 18, 2023)*

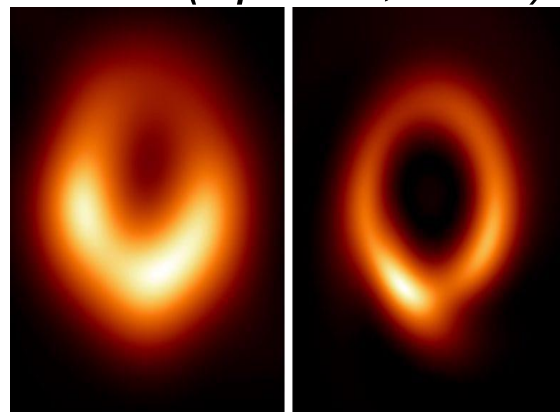
Research in Queensland, Australia, indicates that long COVID's impact on health systems may be due to the volume of SARS-CoV-2 infections rather than symptom severity, as it has similar incidence and severity to seasonal influenza. The study has limitations, such as unmeasured factors and potential influence of vaccination or the Omicron variant on long COVID severity.

Read more at: <https://scitechdaily.com/long-covid-and-post-flu-syndrome-a-surprising-similarity-in-severity/>

# Artificial Intelligence Reveals a Stunning, High-Definition View of M87's Big Black Hole

*(April 19, 2023)*

Astronomers used machine learning to improve the Event Horizon Telescope's first black hole image, aiding in black hole behavior understanding and testing gravitational theories. The new technique, called PRIMO, has potential applications in various fields, including exoplanets and medicine. Astronomers have used machine learning to sharpen up the Event Horizon Telescope's [first picture of a black hole](#) — an exercise that demonstrates the value of artificial intelligence for fine-tuning cosmic observations.



Credit: Medeiros et al. 2023

Read more at: <https://scitechdaily.com/artificial-intelligence-reveals-a-stunning-high-definition-view-of-m87s-big-black-hole/>

## New Research: Taking Care of Your Teeth Could Help Prevent Chronic Joint Pain

*(April 22, 2023)*

Researchers found a connection between arthritis flare-ups and periodontitis by tracing bacteria associated with periodontal disease in samples collected from rheumatoid arthritis patients, which could lead to the development of therapies for the autoimmune inflammatory disease. A researcher at Rice University discovers a critical piece of information in discarded data that redirects their research in the right direction.

Read more at: <https://scitechdaily.com/new-research-taking-care-of-your-teeth-could-help-prevent-chronic-joint-pain/>

## Cracking the Alzheimer's Code: A Groundbreaking New Approach to Visualizing the True Culprit

*(April 16, 2023)*

South Korean researchers have discovered that reactive astrocytes, rather than amyloid-beta plaques, may be the main cause of Alzheimer's disease. The team developed a new imaging technique using PET scans with radioactive acetate and glucose probes to visualize the interaction between astrocytes and neurons in Alzheimer's patients.

Read more at: <https://scitechdaily.com/cracking-the-alzheimers-code-a-groundbreaking-new-approach-to-visualizing-the-true-culprit/>



# ARTS

## Uncovering the history of the Battle of Lepanto through Juan Luna's Masterpiece (1887) and its importance for Christianity

*(April 20, 2023)*

A pivotal moment in history or just another blip in history? This painting by **Filipino artist** and revolutionary activist Juan Luna raises this question as it is yet another example of how history has captured the act of war through commissioned work. Painted in 1887, it showcases the Battle of Lepanto on October 7, 1571, and emphasises the victory of the Spanish against the Turks.



Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/behind-the-art-history-of-the-battle-of-lepanto-juan-lunas-masterpiece-1887-importance-for-christianity-8550740/>

## Folk artistes mesmerise with their spectacular Yakshagana performance

*(April 17, 2023)*

Yakshagana, which comes from two words: 'yaksha' meaning celestial and 'gana' meaning music, is a traditional folk theatre-dance form that is immensely popular in the districts of coastal Karnatakas. According to Karnataka Tourism, "A trip to the coastal belt would be incomplete without watching the Yakshagana – an elaborate dance-drama performance unique to Karnataka. It is a rare combination of dance, music, song, scholarly dialogues and colourful costumes."

Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/yakshagana-performance-photos-8560454/>



# In memory of Vivan Sundaram: The art community came together to remember the artist and his art

(April 18, 2023)

Weeks after artist **Vivan Sundaram passed away in Delhi on March 23**, the art fraternity came together to remember the artist, his art, and the philosophies and ideologies that guided his life. “He was not just a brilliant artist and an activist but a remarkable and honest person,” stated Prabhat Patnaik, his friend and economist, at the memorial programme organised by the Safdar Hashmi Memorial Trust (Sahmat) on April 17 at Jawahar Bhavan in Delhi. While an exhibition featuring photographs and videos of him and his work, spanning over six decades, was on display in the lobby at the venue.



Credit: Express Photo by Amit Mehra

Read more at:

<https://indianexpress.com/article/lifestyle/art-and-culture/remembering-artist-vivan-sundaram-art-fraternity-memorial-safdar-hashmi-memorial-trust-8563310/>

# Jatin Das: ‘I do what I like; don’t work according to the demands of buyers and galleries’

(April 20, 2023)

With a career spanning almost six decades, Jatin Das is a well-known painter, muralist, and sculptor who had exhibited his works in many **exhibitions** in India and abroad. A recipient of the Padma Bhushan (2012), the artist is credited with creating a 7 x 68 ft mural — titled *Mohenjo-Daro to Mahatma Gandhi* — at the Parliament of India.

Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/jatin-das-artist-journey-evolution-of-indian-art-exhibitions-8550058/>

# Egyptian female Islamic chanters break into male-dominated field

(April 19, 2023)

Shaimaa El Nouby, an Egyptian Islamic chanter performing Islamic religious songs, sings on stage with Wael El Fashny, during the holy month of Ramadan at El-Rabaa Cultural Center event at Al Hussein in old Cairo. Neaema Fathy became fascinated by a form of Islamic chanting known as “Inshad” after first hearing it at the religious festivals she attended as a child with her family in Egypt.

Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/egyptian-female-islamic-chanters-break-into-male-dominated-field-inshad-maqamat-8564389/>



## No, Croma is not selling iPhone 13 for Rs 38,990 in India: Here are the details

*(April 16,2023)*

The banner for the Apple sale event on Croma falsely claims that the iPhone 13 is available at an effective price of Rs 38,990, whereas the iPhone 14 is selling for Rs 46,990. Croma is hosting a new brand-specific sale on its platform and is offering decent discounts on Apple products. The banner for the sale event on the e-commerce platform claims that the iPhone 13 is available at an effective price of Rs 38,990, whereas the iPhone 14 is selling for Rs 46,990. But, are these actually selling at almost half the price? The answer is no. Here is everything you need to know.

Read more at; <https://www.indiatoday.in/technology/news/story/no-croma-is-not-selling-iphone-13-for-rs-38990-in-india-here-are-the-details-2364591-2023-04-25>

## Youtuber buys sealed original iPhone for Rs 32 lakhs for unboxing, here is what is inside the box

*(April 22,2023)*

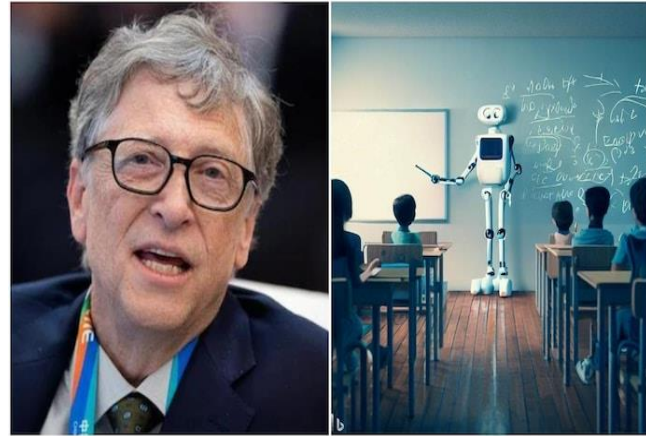
The original iPhone was unveiled in June 2007. During its presentation, Apple co-founder Steve Jobs famously described it as "an iPod, a phone, and an internet communicator." **Original iPhones are rare to find, but finding an unopened iPhone 1 is exceedingly uncommon.** Many of us remember what it looked like. A quick Google search would help refresh your memory. But do you remember what was inside the box? I won't be surprised if you don't.

Read more at: [https://www.indiatoday.in/technology/news/story/youtuber-buys-sealed-original-iphone-rs-32-lakhs-unboxing-inside-the-box-2362770-2023-04-21?utm\\_source=taboola&utm\\_medium=recirculation](https://www.indiatoday.in/technology/news/story/youtuber-buys-sealed-original-iphone-rs-32-lakhs-unboxing-inside-the-box-2362770-2023-04-21?utm_source=taboola&utm_medium=recirculation)

# Bill Gates says AI chatbots will have human-like teaching capabilities in future

*(April 22, 2023)*

Bill Gates feels AI can help in teaching students in future. The Microsoft co-founder adds that AI will be as good as any human tutor. He also said that AI can help teach kids to read in less than 18 months. OpenAI's ChatGPT proved to be a ground-breaking tool that is being used widely across the world today. The AI chatbot was first introduced to us in November 2022 and has come a long way since then. After OpenAI launched ChatGPT, Google also came up with its own AI chatbot, Bard, in February this year.



Read more at: <https://www.indiatoday.in/technology/news/story/microsoft-cofounder-bill-gates-says-ai-chatbots-chatgpt-bard-will-have-human-like-teaching-capabilities-2364490-2023-04-25>

# Part-time job scam: Pune woman loses 24 lakh after she liked a YouTube video

*(April 21, 2023)*

A new job scam is spreading on social media. Online scammers are sliding into people's DMs and feeds and are promising easy [part-time work](#) and extra cash. They gain people's trust and trick them into investing money. However, once a large amount is invested, people lose all their money. Several cases of such incidents have been recorded in the past few months with the most recent from Pune where two different individuals lost more than Rs 33 lakh in total after falling for the viral part-time-job scam.



Read more at: <https://www.indiatoday.in/technology/news/story/part-time-job-scam-pune-woman-loses-24-lakh-after-she-liked-a-youtube-video-2364699-2023-04-26>





## SPORTS

### **Pankaj Singh elected unopposed as cycling federation president**

*(April 20, 2023)*

[Pankaj Singh](#), the BJP MLA from Noida and son of Union Defence Minister [Rainath Singh](#), has been elected unopposed as Cycling Federation of India (CFI) president in the Annual General Body meeting in Nainital. Maninder Pal Singh was elected as secretary general for the second consecutive term on Sunday while Sudeesh Kumar of Kerala was elected as the treasurer. Twenty six states and boards affiliated to CFI participated in the AGM. Uttar Pradesh, Delhi, Haryana, Uttarakhand, Gujarat, Kerala, Telangana got two members elected in the executive council while a member each was elected from Chandigarh, Madhya Pradesh, Maharashtra, Jammu & Kashmir, Jharkhand, Bihar, Tamil Nadu, Orissa, Himachal Pradesh & Andaman & Nicobar.

Read more at: <https://timesofindia.indiatimes.com/sports/more-sports/others/pankaj-singh-elected-unopposed-as-cycling-federation-president/articleshow/99734992.cms>

### **Sachin Tendulkar, Brian Lara honoured with gates at Sydney Cricket Ground**

*(April 21, 2023)*

[Brian Lara](#) and [Sachin Tendulkar](#) have joined Donald Bradman, [Alan Davidson](#) and Arthur Morris by having a set of gates named in their honour at the Sydney Cricket Ground. The gates, used to access the field of play, were unveiled to mark Tendulkar's 50th birthday and 30 years since Lara's innings of 277 at the Sydney Cricket Ground. The Australian cricket team enter the field via the [Don Bradman](#) Gates, with the visitors now coming through the Lara-Tendulkar Gates.

Read more at: <https://timesofindia.indiatimes.com/sports/cricket/news/sachin-tendulkar-brian-lara-honoured-with-gates-at-sydney-cricket-ground/articleshow/99723091.cms>

# **I'm not Rafael Nadal's replacement,' says Carlos Alcaraz as French Open hopes boosted**

*(April 22, 2023)*

Tennis star Carlos Alcaraz on Sunday said that he is not legendary [Rafael Nadal](#)'s "replacement" as the teenager comfortably defended his [Barcelona title](#). Alcaraz now has nine career titles under his belt. With 14-time French Open champion Nadal sidelined since January with a hip injury and world number one and two-time Roland Garros winner Novak Djokovic struggling with an elbow problem, Alcaraz reinforced his credentials as a major contender to add the clay-court Grand Slam title to the US Open he captured last year.



Read more at: <https://timesofindia.indiatimes.com/sports/tennis/top-stories/im-not-rafael-nadals-replacement-says-carlos-alcaraz-as-french-open-hopes-boosted/articleshow/99719497.cms>

# **India claim World Cup gold in compound mixed team**

*(April 22, 2023)*

Jyothi Surekha Vennam and her debutant partner Ojas Deotale were at their ruthless best and prevailed over Chinese Taipei 159-154 as India grabbed the compound mixed team gold to open their account in the World Cup Stage 1 here on Saturday. This was also India's second ever World Cup gold medal in the mixed compound event. Jyothi and veteran Abhishek Verma had clinched their maiden gold in World Cup-3 in Paris 2022. In the absence of India's multiple World Cup winner Verma, who failed to make the cut from the national trials.



Read more at: <https://www.hindustantimes.com/sports/others/india-claim-world-cup-gold-in-compound-mixed-team-101682168999426.html>