



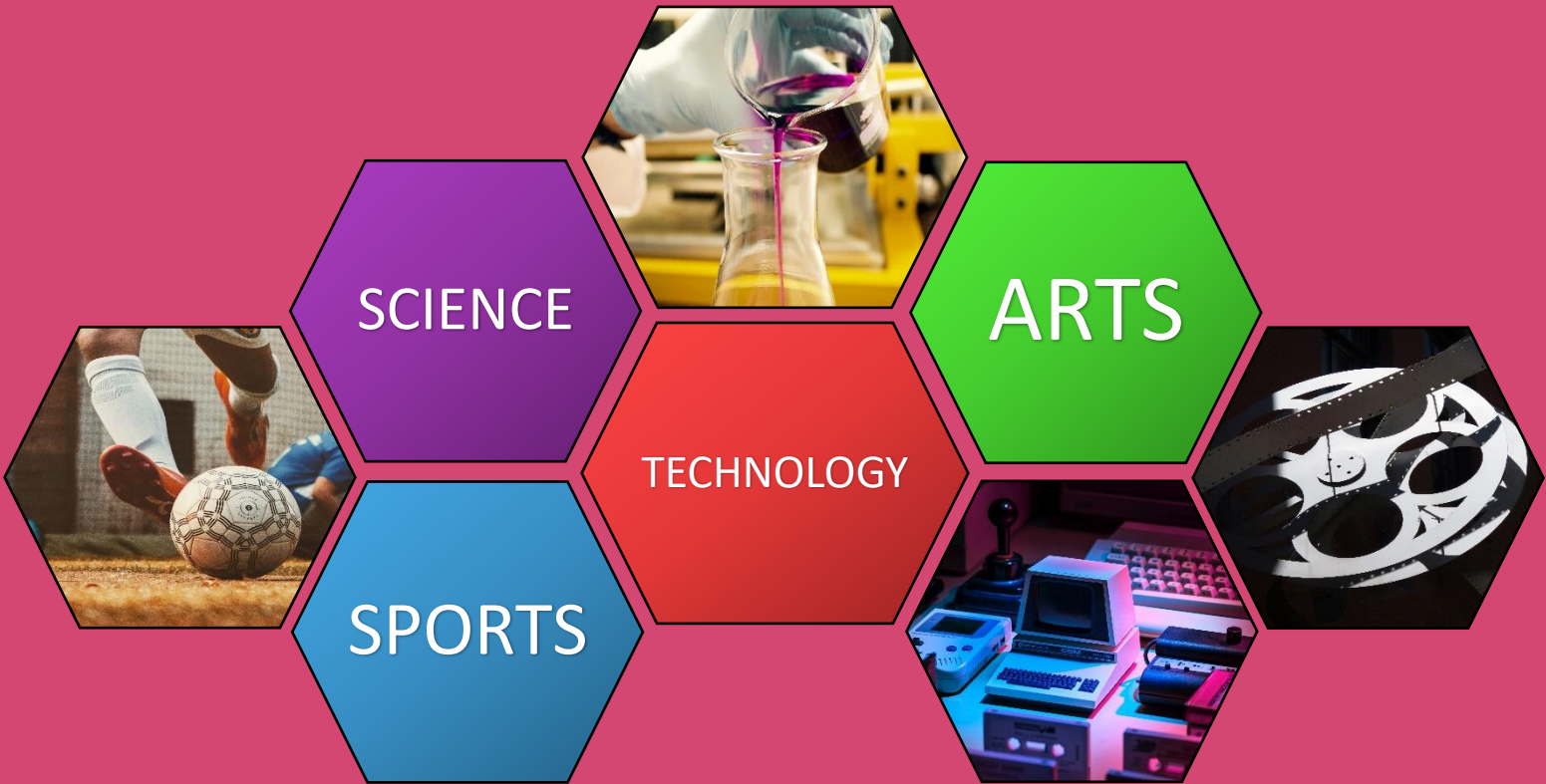
St Berchmans College

Founded 1922

AUTONOMOUS

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

CHANGANASSERY, KERALA



BERCHLY

E WEEKLY

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

CONTENTS



SCIENCE

3



ARTS

4



TECHNOLOGY

5



SPORTS

6

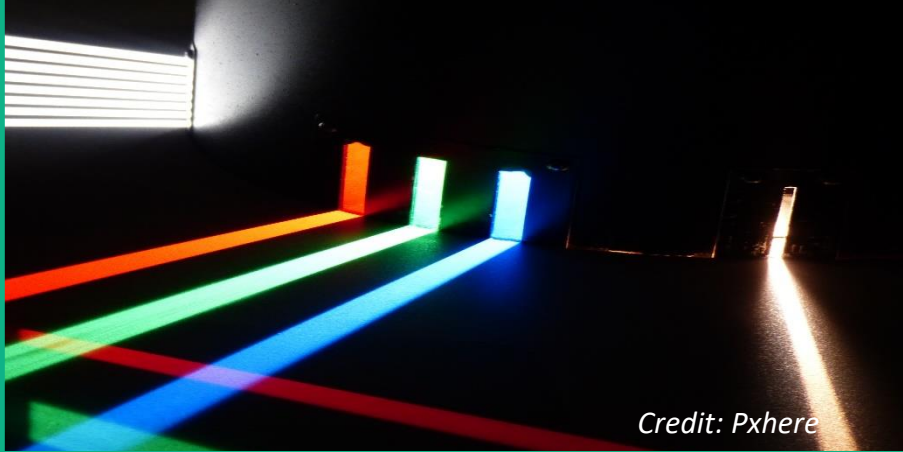
Photo by NASA on Unsplash.

Photo by Guilherme Bellotti on Unsplash.

Photo by Jessica Lewis on Unsplash.

Photo by Damiano Lingauri on Unsplash.

SCIENCE



Credit: Pxhere

Hubble Space Telescope detects protective shield defending a pair of dwarf galaxies.

(October 1, 2022)

Using a combination of the unique ultraviolet vision of the Hubble Space Telescope and the Far Ultraviolet Spectroscopic Explorer, along with the probing power of distant quasars, astronomers have finally been able to detect and begin to map the Magellanic Corona. The discovery of this diffuse halo of hot gas, extending more than 100,000 light-years from the Large Magellanic Cloud and covering much of the southern sky, confirms the prediction.



Credit: NASA, ESA etc.

Read more at:

<https://scitechdaily.com/hubble-space-telescope-detects-protective-shield-defending-a-pair-of-dwarf-galaxies/>

New method converts greenhouse gas into fuel.

(October 1, 2022)

A team of researchers has successfully converted methane into methanol using light and scattered transition metals such as copper in a process known as photo-oxidation. The reaction was the best achieved to date for converting methane gas into liquid fuel at ambient temperature and pressure. The study was supported by FAPESP, the Higher Research Council (CAPES, an agency of the Ministry of Education), and the National Council for Scientific and Technological Development (CNPq, an arm of the Ministry of Science, Technology, and Innovation).

Read more at:

<https://scitechdaily.com/new-method-converts-greenhouse-gas-into-fuel/>

ARTS



Credit: Arek Socha/Pixabay

Chennai sees veteran artist C Douglas' works on display after more than 10 years.

(September 30, 2022)



Credit: The Hindu

Dismembered body parts, fragmented text and layers of mediums that dominate the work of veteran artist C Douglas are on display after more than a decade. Displayed at Gallery Veda, with four ceramic companions at Ashvita's Gallery, the collaborative show is a window into Douglas' world — a world, though famed, that is rarely on display. It has been more than a decade since Chennai saw a solo show of the veteran's work.

Read more at:

<https://www.thehindu.com/entertainment/art/chennai-sees-veteran-artist-c-douglas-works-on-display-after-more-than-10-years/article65913567.ece>

Brooklyn Museum completes ten-year renovation of Asian and Islamic art galleries.

(September 30, 2022)

The Brooklyn Museum has unveiled the final phase of a transformative renovation of its Asian and Islamic art galleries, an approximate \$9m project completed over the past decade to enhance the previously antiquated space, which was last refurbished in the late 1970s. The 20,000 sq. ft galleries feature nearly 700 objects—from the museum's expansive 17,000-piece collection of Asian and Islamic artworks, including contemporary works and several artefacts that are surfacing from storage for the first time.

Read more at:

<https://www.theartnewspaper.com/2022/09/30/brooklyn-museum-asian-islamic-art-galleries-renovation>

TECHNOLOGY

Credit: Pxhere

1,000,000 times thinner than a single strand of hair – scientists develop leak-free nano-pipes.

(October 1, 2022)

Working on microscopic pipes just a millionth the width of a single strand of human hair, Johns Hopkins University researchers devised a method to protect these tiniest of pipelines against even the smallest of leaks. The scientists used tubes that were several microns long, or approximately the size of a dust particle, and had a diameter of seven nanometers, or about two million times smaller than an ant.

Read more at:

<https://scitechdaily.com/1000000-times-thinner-than-a-single-strand-of-hair-scientists-develop-leak-free-nano-pipes/>

Cassie establishes Guinness world record for bipedal robot 100-metre sprint.

(October 2, 2022)

Cassie, a robot designed at the Oregon State University (OSU) and manufactured by Agility Robotics established the Guinness World Record for the fastest 100 metres sprint by a bipedal robot. Cassie did this by crossing the distance in 24.73 seconds. Interestingly, the robot has no cameras or external sensors. It uses machine learning to control its gait on outdoor terrain. In 2021, it had covered a 5-kilometre distance in just 52 minutes.



Credit: Oregon State University/Kegan Sims

Read more at:

<https://indianexpress.com/article/technology/science/cassie-bipedal-robot-guinness-world-record-100-metre-sprint-8185835/>

SPORTS



Credit: Pxhere

Yalemzerf Yehualaw claims stunning victory at London Marathon. *(October 2, 2022)*



Credit: Reuters

Yalemzerf Yehualaw recovered from a fall over a speed bump at around 32km to claim a dramatic yet incredible victory in the London Marathon, recording a stunning time of 2:17:26. The 23-year-old Ethiopian retained her composure despite suffering the mid-race mishap to become the youngest woman in history to win this iconic race.

Read more at:

<https://indianexpress.com/article/sports/sport-others/yalemzerf-yehualaw-claims-stunning-victory-at-london-marathon-8186244/>

India men's team stuns world number 2 Germany in World TT Championships.

(October 2, 2022)

Star paddler G Sathiyam won both his singles, including the one against world number 9 Dang Qiu, to script India's stunning 3-1 win over second seeds Germany in the group stage of the World Table Tennis Championships. World number 37 Sathiyam won two gruelling deciders, first against 36th ranked Duda Benedikt (11-13, 4-11, 11-8, 11-4, 11-9) before edging out Germany's highest-ranked player Qiu (10-12, 7-11, 11-8, 11-8, 11-9).

Read more at:

<https://indianexpress.com/article/sports/india-mens-team-stuns-world-number-2-germany-in-world-tt-championships-8186118/>

(For private circulation only)