

TECHNO CHRONICLES

ISSUE 8

E-NEWSLETTER BY DEPARTMENT OF COMPUTER SCIENCE

JULY 2023-24



APPLE VISION PRO

By Apple Inc

Apple vision pro is a mixed-reality headset developed by Apple Inc. It was announced on June 5, 2023, at Apple's Worldwide Developers Conference, and pre-orders began on January 19, 2024. It became available for purchase on February 2, 2024, in the United States. A worldwide launch has yet to be scheduled. Apple Vision Pro is Apple's first new major product category since the release of the Apple Watch in 2015.

Apple markets Apple Vision Pro as a "Spatial computer" where digital media is integrated with the real world. Physical inputs—such as motion gestures, eye tracking, and speech recognition—can be used to interact with the system. Apple has avoided marketing the device as a virtual reality headset when discussing the product in presentations and marketing. The device runs vision OS, a mixed-reality operating system derived from IOS frameworks using a 3D interface; it supports multitasking via windows that appear to float within the user's surroundings, as seen by cameras built into the headset.

The OS supports avatars (officially called "Personas"), which are generated by scanning the user's face; a screen on the front of the headset displays a rendering of the avatar's eyes ("Eyesight"), which are used to indicate the user's level of immersion to bystanders, and assist in communication.

Designed by Apple:

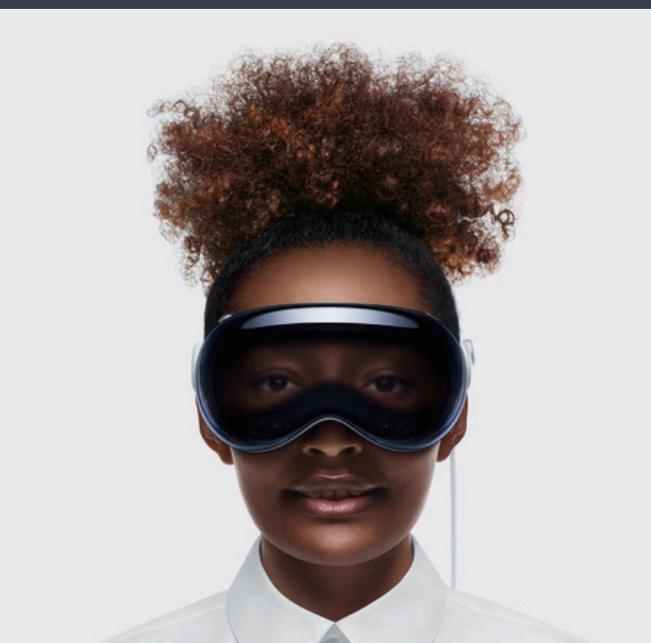
Apple Vision Pro is the result of decades of experience designing highperformance, mobile, and wearable devices — culminating in the most ambitious product Apple has ever created. Apple Vision Pro integrates incredibly advanced technology into an elegant, compact form, resulting in an amazing experience every time you put it on.

FRONT

A singular piece of three-dimensionally formed laminated glass flows into an aluminium alloy frame that curves to wrap around your face.

LIGHT SEAL

The Light Seal gently flexes to conform to your face, delivering a precise fit while blocking out stray light.



HEAD BANDS

The Solo Knit Band provides cushioning, breathability, and stretch, and a Fit Dial lets you adjust Apple Vision Pro precisely to your head. The Dual Loop Band offers an additional option for a personalized fit.

POWER

The external battery supports up to 2 hours of general use and up to 2.5 hours of video playback.



SOUND

Speakers positioned close to your ears deliver rich Spatial Audio while keeping you aware of your surroundings.

EYE SIGHT

An outward display reveals your eyes while wearing Apple Vision Pro, letting others know when you are using apps or fully immersed.



A singular piece of three-dimensionally formed laminated glass acts as an optical surface for the cameras and sensors that view the world. It flows seamlessly into a custom aluminium alloy frame that gently curves to wrap around your face while serving as an attachment point for the Light Seal.

HISTORY DEVELOPMENT

In May 2015, Apple acquired the German augmented reality (AR) company Metaio, originally spun off from Volkswagen. That year, Apple hired Mike Rockwell from Dolby laboratories. Rockwell formed a team called the Technology Development Group including Metaio co-founder Peter Meier and Apple Watch manager Fletcher Rothkopf. The team developed an AR demo in 2016 but was opposed by chief design officer Jony Ive and his team. Augmented reality and virtual reality (VR) expert and former NASA specialist Jeff Norris were hired in April 2017. Rockwell's team helped deliver ARKit in 2017 with iOS11. Rockwell's team sought to create a headset and worked with Ive's team; the decision to reveal the wearer's eyes through a front-facing eye display was well received by the industrial design team.



ACTIVITIES 2023-24

Social Responsibility

On 17th March 2023, Computer Science Department students went to IGMC for serving langar to cancer patients and their attendants. Water, chappatis and dal were served by students and also students made chappatis for the patients.



On 4th September, 2023 Council Inogeration was held where students, selected through voting were elected as members of council. Priyamvada student of BCA became the admiral of st bedes college while Palak thakur became the secretary of red ribbon club, Aarshita became NSS president, Jiya Julka became INS Vikrant's captain

Investiture Ceremony



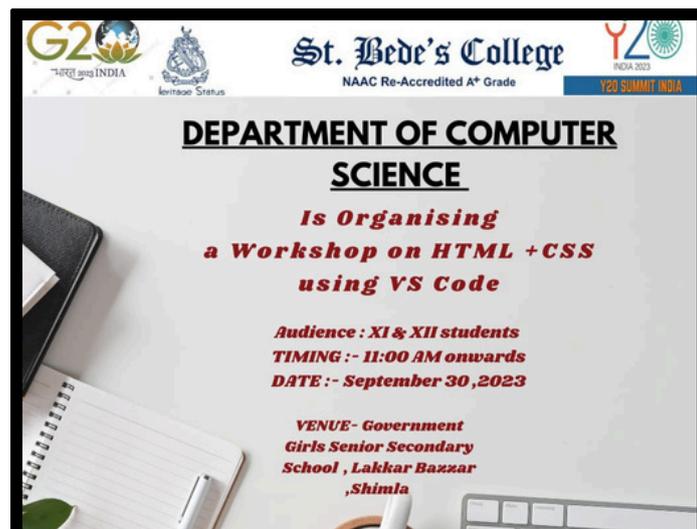
Teacher's Day Celebration

On 28th September 2023, Computer Science Department celebrated teachers day with students of BCA. It was a great day. It provided happiness and bond among teachers and students.



Workshop On HTML & CSS

On 30th September 2023, Computer Science Department students organized a workshop on "HTML & CSS WITH VS CODE" at Government Girls Senior Secondary School, Lakkar Bazar, Shimla. The workshop catered to students in the XIth and XIIth standards. Facilitated by BCA VIth semester students, the workshop aimed to familiarize participants with the fundamentals of hypertext markup language, the application of CSS in HTML, and the development of interactive websites using VS Code.



Tech Know's How Club

**The Tech Know How's Club
Of
DEPARTMENT OF COMPUTER
SCIENCE**

**Is Organising
Presentation's on topic
DOS, DSA,C++,Python and
Generations of Computer**

DEPARTMENT OF COMPUTER SCIENCE AND MATHEMATICS
IS ORGANIZING A
GUEST LECTURE

TOPIC: **PROBABILITY AND STATISTICS IN COMPUTER SCIENCE AND ENGINEERING**

**NOVEMBER 8, 2023
SEMINAR ROOM
2:00-3:00PM**

RESOURCE PERSON - **DR. PAWAN SHARMA**
ASSOCIATE PROFESSOR, MIT, HAMIRPUR

St. Bede's College
NAAC 'A' Accredited AP Grade

Department of Computer Science
is excited to invite you to a movie day in campus!
We have organized a special screening of a popular film

Tron

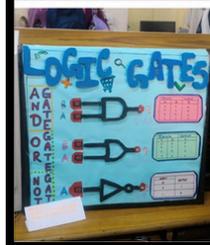
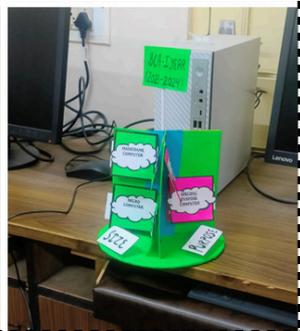
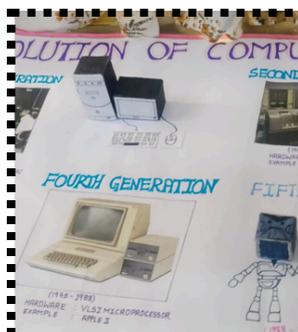
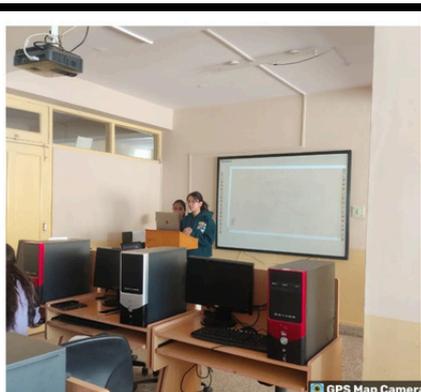
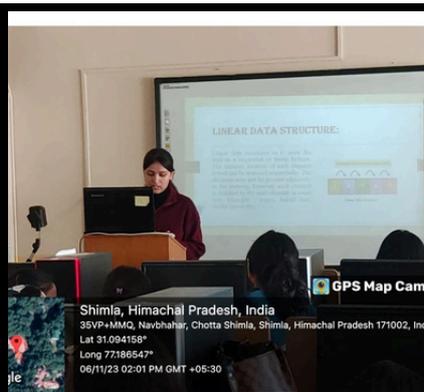
that we believe you will thoroughly enjoy.

Date : 04/11/2023
Time : 1.20 P.M.
Venue : Seminar Room

DEPARTMENT OF COMPUTER SCIENCE
Organizes
EXHIBITION

ON 8 NOV. 2023,
10:00 AM ONWARDS
VENUE:- COMPUTER LAB 2

Tech Know how's club was 5 day club held from 4th November to 8th November. Different activities were held like movie on technology, Exhibition was held displaying various components of computers, presentations, lecture on Probability and Statistics in Computer science and treasure hunt competition.



Udaan School Visit

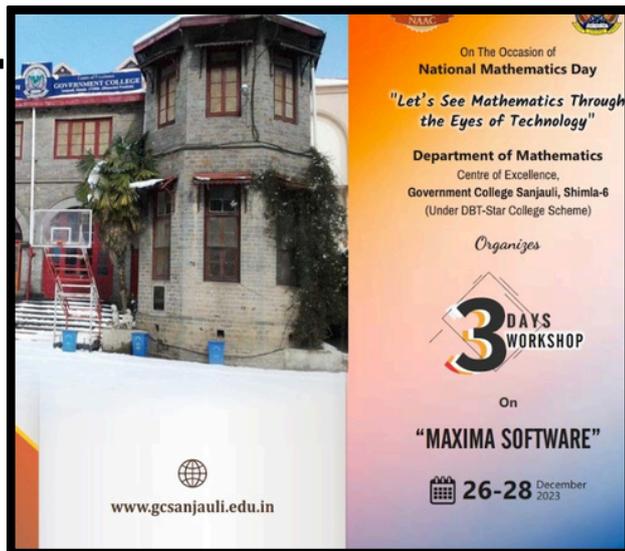
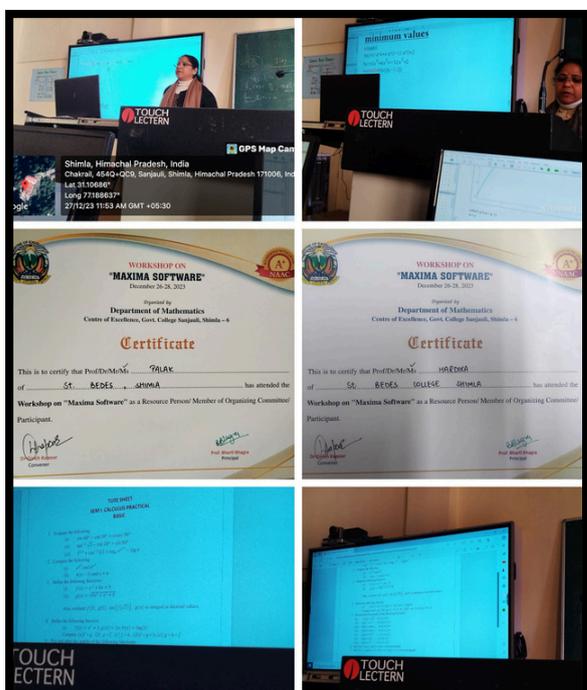
On 9 November, 2023, On the Occasion of Diwali. The Computer Science Department Teachers and Students visit to a Udaan School located in Shimla.

The main motive was our to interact with them . We saw them studying and doing activities .We played games with them. Some of them were making drawings and some played games with us. At the end gifts and chocolates were given to them and they were filled with joy and happiness.



Workshop On Maxima Software

On occasion of National Mathematics Day workshop on "Maxima Software" was organised by maths department of Centre Of Excellence where students of St. Bede's College participated actively from department of computer science and mathematics from 26th - 28th December 2023.



STUDENT ACHIEVEMENTS



Name: Priyamvda Thakur
Admiral
(BCA-3rd year)



Name: Isha Kumari
Class Representative
(BCA-3rd year)



Name: Palak Thakur
Secretary (RRC)
(BCA-2nd year)



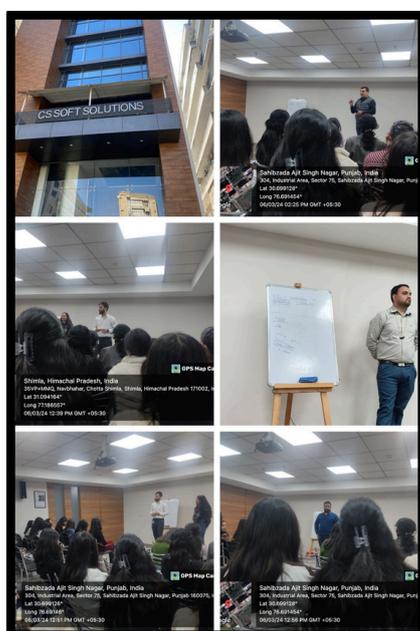
Name: Hardika Verma
Class Representative
(BCA-2nd year)

Exhibition & Department Board

The computer science exhibition was held on 28th Feb 2024 where we displayed model regarding Artificial Intelligence, networking, and switches. You will find fascinating networking models that demonstrate how computers connect and communicate with each other. On artificial intelligence models! They showcase the incredible advancements in machine learning and how AI can revolutionize various industries



Technology Around Us - was the theme of the computer department board. Technology is all around us, making our lives easier and more connected. From smartphones that keep us connected to the world, to smart home devices that automate our daily tasks, technology has become an integral part of our everyday lives. It's incredible to see how far we've come and the endless possibilities that technology brings. It's like living in a sci-fi movie, but better.



IT Trip

IT trip was held on 6th March 2024. Company we visited was CS soft Solutions which is a software company. It was a one day trip which helped the students by counseling them on various topics such as CV making, Programming languages which will be helpful in future about the company and various knowledgeable factors.

PATRON: PROF. SR. MOLLY ABRAHAM PRINCIPAL, ST. BEDE'S COLLEGE, SHIMLA
STAFF EDITORS: MS. NEHA WALIA & MS. NIVEDITA BHARDWAJ

STUDENT EDITORS: BCA-IV sem
Aditi, Ankita, Hardik, Mahima, Muskan, Palak, Sejal, Sneha Chandel, Sneha Kalyan & Tania