

**Department of Computer Science  
& TechPioneers (Computer Science Society), Aryabhata College  
Annual Report (Session 2022-23)**

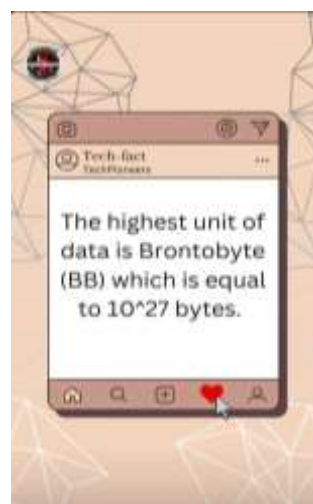
**Instagram Series Edition**

TechPioneers continued its initiative of delivering news related to technology and analysis of emerging trends in tech through its Instagram Series. The information was posted on the society's Instagram handle, @techpioneersofficial. The aim was to reach out to viewers with the latest and trending news of tech that may affect their lives. Fifteen posts were released under the three series: **InsigTech**, **Techabulary**, and **TechTab** (in June & October 2022; February, March & April 2023).



## Instagram Story Series

This academic session, **TechPioneers** has extended its initiative of delivering informative content around technological developments and trends through its Instagram Story Series, posted on the society's Instagram handle, **@techpioneersofficial**. It consists of three series: **Tech Tuesdays & Thursdays**, **Tech Fact**, and **News Bytes** (Feb 2023 to present).



## Career Counselling Seminar

On 14<sup>th</sup> October 2022, **TechPioneers** organised a **Career Counselling Seminar**. The speaker was Prof. Ritukar Chadha, Director of Landmark Institute (a leading institute providing guidance for MCA entrance exams). Prof Ritukar gave tips for preparing for MCA entrance exams. The session proved to be very fruitful and acquainted the students with a range of opportunities in the field of computer science. The brainstorming section at the end of the seminar was truly engaging. The seminar was attended by 52 students, from different courses.



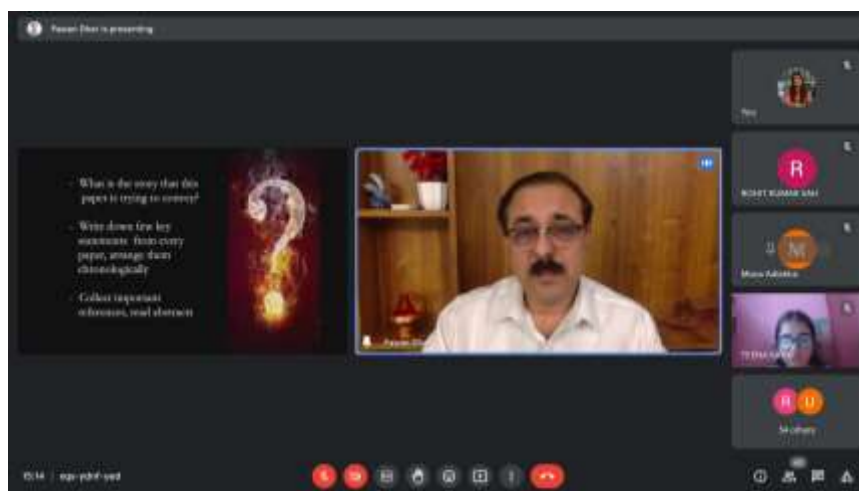
## Workshop on Linear Algebra for Machine Learning

The **Department of Computer Science** organised a hands-on **Workshop on Linear Algebra for Machine Learning** on February 10<sup>th</sup>, 2023. The workshop was divided into four sessions. The first two sessions were conducted by Dr. Sameer Anand, covering matrices, vectors, eigenvalues, and eigenvectors and their applications in computer science. Prof. Subhash Kumar took the remaining sessions, covering vector algebra, vector calculus and their real-life applications. The workshop was well-attended by both students and faculty members, and the speakers were felicitated at the end of the session. Overall, the workshop was beneficial for all who attended.



## National Science Day Webinar, 28th Feb 2023

- On the occasion of National Science Day (February 28, 2023), **TechPioneers** held a webinar titled "**Making of a Scientist**". Professor Pawan Dhar from the School of Biotechnology at JNU was the speaker for this session. He began by praising Sir Raman for his discovery and emphasized the importance of discovering one's interest domain. Prof Dhar explained how to define a research problem and gave tips on how to do good research. The webinar closed with an interesting and thought-provoking Q&A session. A total of 59 students from different undergraduate years participated in the webinar.



## Annual Computer Science Festival of Aryabhata College - CELESTECH '23 ( 24th Apr 2023)

The department's other significant event was CELESTECH '23, which was held on April 24th, 2023. It was an annual inter-college event designed to host a variety of games, technical and non-technical events. The goal was to provide students with a platform to demonstrate their talents and skills. CELESTECH '23, a fusion of enjoyment and technology, comprised six exciting events - Inquizitive, Chaturanga, Unicon, Internet Scavenger Hunt, Typeracer, and Mini Games. The event proved to be highly successful, drawing over 250 registrations from various colleges, spanning across the diverse range of activities and events offered.

Following are the events that were organized-

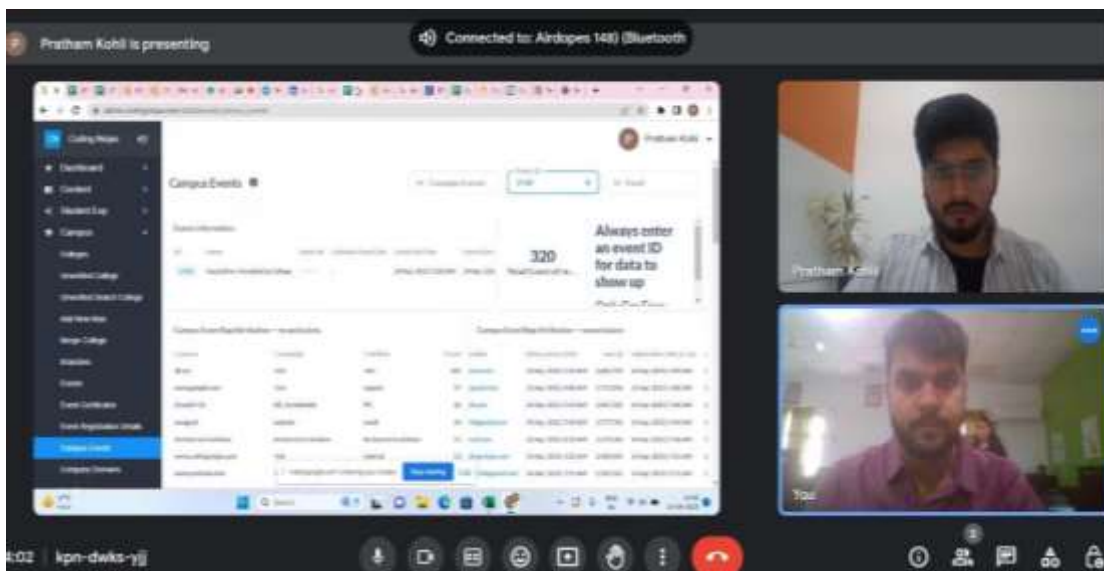
### Chatrunga

An intense chess tournament held in a knockout format, where participants have the opportunity to exhibit their exceptional skills and well-thought-out strategies in each round.



## Inquizitive

An event done in collaboration with Coding Ninjas, a popular online code-learning platform wherein a technical quiz, containing questions based on the world of technology - current affairs, tech innovations, visuals, etc., was conducted to test participants' knowledge and intellectual ability to find the most logical answers.



## Internet Scavenger Hunt

Internet Scavenger Hunt was an online treasure hunt game, done in two levels, to test how well participants could explore the web and solve riddles using hints. The questions covered topics like technology, current events, and innovations in the tech world.





## UNICON

UNICON had an exciting round of VALORANT, the ultimate tactical shooter, which is a team-based first-person hero shooter where participants assume the roles of Agents, each representing different countries and cultures. In the primary game mode, players are divided into attacking and defending teams, each consisting of five players.



## Typewriter

Typewriter was a typing competition created to assess participants' typing speed and precision. It presents challenges where participants must swiftly and accurately type words, phrases, or sentences.



## Mini-Games

As part of CELESTECH'23, a range of entertaining mini-games, like Walker-bottle, Hold it, etc., were played, attracting a significant crowd of students who thoroughly enjoyed playing them. Participants had a chance to win incredible prizes, adding to the excitement of the event.



