



EXPLORING NEW FRONTIERS: OUR UNFORGETTABLE VISIT TO U R RAO SPACE CENTER, BANGALORE

By P Akash (2nd BCA - A)

Prepare for liftoff as we take you on an exciting journey through our recent industrial visit to the U R Rao Space Center in Bangalore, where we experienced the wonders of space exploration and had a blast!

As students of St. Francis degree college, we eagerly boarded the spacecraft of knowledge and embarked on a mission to discover the marvels of the U R Rao Space Center. With each step we took, our anticipation soared higher than a rocket ready for launch.

Our adventure began with a proud introduction to the center's fascinating history and remarkable achievements. We were amazed to learn about the incredible milestones India has reached in space exploration, and we felt a surge of pride in being a part of this incredible journey.

With wide eyes and curious minds, we observed the meticulous assembly, testing, and integration of satellite components. It was like watching a puzzle come together, and we couldn't help but marvel at the precision and dedication of the scientists and engineers involved.

We extend our heartfelt gratitude to the U R Rao Space Center for giving us this incredible opportunity to venture into the depths of space. We express our heartfelt gratitude to the center for providing us with this invaluable opportunity and eagerly anticipate witnessing India's continued advancements in space exploration.

Industrial visit to Techbyheart

By Jennifer Shalet Sequeira (1st BCA - A)



On the 1st of June, our college got an opportunity to go and explore the wonders of Cyber Security at Techbyheart. We had an eye-opening experience that helped us gain valuable insights into the world of scams. Techbyheart has a proven record of protecting digital assets and businesses from online scams and threats. It helps organizations with threat intelligence, security assessment, compromise assessment, incident response, security training, and cloud security. The session was held by knowledgeable experts who have much experience and expertise in this field. We learned about various types of scams, thefts, and the importance of being aware of such scams and how to prevent them. The practical approach helped us understand the impacts of scams and the necessity of taking precautionary measures. Overall, the visit was beneficial to us. We would like to express our gratitude to the Techbyheart team for their continue support in nurturing young minds.

A trip to Coorg for final year students

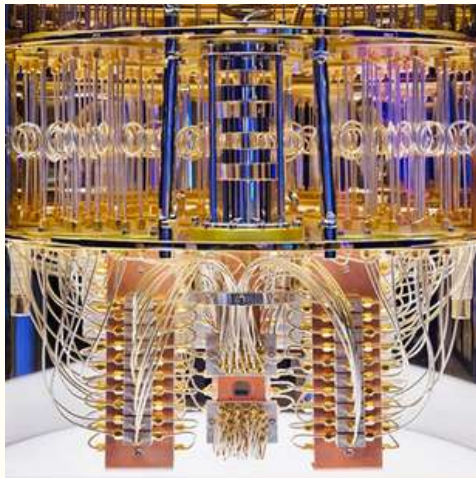
By Janani (3rd BCA - A)



The trip to Coorg lasted for 3 days and 2 nights. They commenced their journey from Bangalore on the 1st of June at 11 pm and arrived in Coorg at 7 am the following day. While there, they had a delightful time engaging in activities such as trekking, visiting sanctuaries, and staying at a resort. They returned to Bangalore on the night of the 4th of June.

IBM is ready for Quantum Revolution!

By Praveen S (2nd BCA-B)



IBM is at the forefront of the Quantum Revolution, as demonstrated by their recent breakthrough in Quantum Technology. Quantum computers, unlike classical computers, operate based on the principles of quantum mechanics. Instead of using bits that can be either 1 or 0, quantum computers use qubits, which can exist in superposition, meaning they can be in both states simultaneously. This unique characteristic allows quantum computers to solve complex problems and break strong encryptions with their quantum algorithms.

While quantum computers are still bulky and resource-intensive compared to classical computers, they offer significantly lower time complexities when solving computational problems. IBM has been actively working on advancing quantum technology and is making progress with their quantum processors. They have already made a 127-qubit quantum computer available on the IBM cloud, and they have plans to release their most powerful quantum processor, the 1,121-qubit "Condor" chip, later this year. Furthermore, IBM is also developing "utility-scale processors" with up to 4,158 qubits.

IBM has been supporting quantum research by making their software development kit (SDK) open source, allowing researchers to delve into this exciting new era of quantum utility. Recently, experiments using 127-qubit processors have been successful, marking significant progress in this field. IBM is committed to ensuring equal access to their quantum capabilities for all users, clients, and partner institutions, as they recognize the importance of inclusivity in this groundbreaking technology.

App Mania



6000 thoughts

6000 thoughts, is an AI application that instantly summarizes, identifies cause and effect, highlights potential cognitive biases and recommends tools and frameworks to help you become stronger in your mental health and personal growth journey. Use it for any topic-whether it's a thought in the shower or a major life decision.

To download and know more about the app visit:

<https://6000thoughts.com/>

STUDENT ACHIEVEMENTS (Intercollegiate level)



Event: Clash Of Marthanas (Quiz)

Location: CMR Institute of Technology.

Date: 09/06/2023

Winners: **Bharath Kumar L & Sahil Rajesh** from 4th sem BCA 'A' secured **1st place**.

Event: Paper Presentation

Location: Jyothi Nivas College.

Date: 27/02/2023

Winners: **Akash Kumar Maurya & Sahil Rajesh** from 4th sem BCA 'A' secured **1st place**.

Event: Fashion Walk (Men)

Location: Jyothi Nivas College.

Date: 10/02/2023

Winner: **Kishor C** from 4th Sem BCA 'B' secured **1st place**.

Event: Fashion Walk (Women)

Location: Jyothi Nivas College.

Date: 10/02/2023

Winner: **Sindu RJ** from 4th Sem BCA 'B' secured **1st place**.

Event: Fashion Walk (Men)

College: Reva University.

Date: 27/04/2023

Winner: **Kishor C** from 4th Sem BCA 'B' secured **2nd place**.

Event: Fashion Walk (Women)

College: Reva University.

Date: 27/04/2023

Winner: **Sindhu RJ** from 4th Sem BCA 'B' secured **2nd place**.

Event: Solo dance

College: St. Joseph's University.

Date: 04/05/23

Winner: **Sharline A** from 2nd Sem BCA 'B' **1st place**.

Event: Techizen (Tech Talk)

Location: BU Gnana Bharathi campus.

Date: 16/02/2023

Winner: **Janani K** from 6th sem BCA 'A' secures **2nd place**.

Tech Release



Apple Unveils Apple Vision Pro at WWDC23

At WWDC23, Apple revealed its latest innovation—the Apple Vision Pro. This VR/XR headset, worth \$3,499, aims to change the way we experience digital content virtually. With seamless integration of the physical and digital worlds, it offers an immersive entertainment experience. Vision Pro is featured with 23 million pixels across two displays and powered by Apple's Silicon Chip, and operates on specialised Vision OS, it promises stunning visuals and a productive interface. "Today marks the beginning of a new era for computing," said Tim Cook, Apple's CEO at WWDC23. The Vision Pro may reshape the XR industry, but only time will decide mobile phones' future.

source: apple.com/

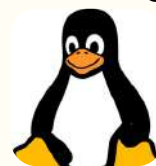


Tech Hack

To check if your calls and sms are forwarded, just dial ***#21#**.

To stop forwarding, dial **##002#**.

Linux Sage



The best Linux distros for developers in 2023 are, Manjaro Linux, Puppy Linux, Debian, CentOS, Fedora and OpenSuse.



IMPETUS SPOTLIGHT



Video Editing: Participants showcased their creativity by transforming given images into captivating videos, blending visuals, storytelling, and interactive content.

Tech Trio Showdown: A thrilling competition featuring a dynamic trio of challenges - from exploring global landscapes in Geo-Guesser to deciphering tech-themed pictionary and solving the ultimate picture connection quiz.

Quizzard: Knowledge met excitement as participants engaged in an intense battle of wits, answering MCQ's in two rounds using the innovative platform Rolljak.

Geek speak: Minds collided in an intellectual extravaganza where participants eloquently shared their insights on intriguing tech topics, captivating the audience for 4+1 minutes each.

Tech Escape: Participants embarked on an adrenaline-fueled quest, solving a series of mind-bending puzzles and clues. The ultimate victory awaited those who unraveled all 10 clues.



Fun Fact!

The most powerful supercomputer in the world is Fugaku, located in Japan, and can perform 415.53 quadrillion calculations per second.



Tech Hack

If you save your Powerpoint presentation in .PPS instead of .PPT, your file goes into slideshow mode when you open it.



Sketches



Mind Maze



H C M J D E A E J I D U R J H F I R
 D C C J I V L U V N G U A D Z I T M
 K O A L G O R I T H M W W W C F R N
 I K L Q H R B O R O D F C L K C A E
 B L O C K C H A I N M V E E E Y N T
 Y E E D T A P P L I C A T I O N S W
 H E A T S I N K E I X Q T S Y Q I O
 W R P X P R O T O C O L S I Q V S R
 J C Y B E R S E C U R I T Y O C T K
 O A N A L Y T I C S G K T R H N O S
 K Q Y G M K R O V W R W U Y J G R X
 Z F L Z N J X H K J N O B R K W L R

		1						
6		4		2	5			
	9					1		
	6			9		2		
7				5	6			
			2		1		6	
							8	
4			9					
9				4				

solution

2	8	1	4	3	9	6	7	5
6	7	4	1	2	5	9	3	8
5	9	3	6	8	7	1	4	2
3	6	5	8	9	4	2	1	7
7	1	2	3	5	6	8	9	4
8	4	9	2	7	1	5	6	3
1	3	7	5	6	2	4	8	9
4	2	8	9	1	3	7	5	6
9	5	6	7	4	8	3	2	1

Find the following words:

application, automation, protocols, networks, heatsink, cybersecurity, blockchain, transistor, algorithm, analytics.



Department Activities



1. Seminar for IV semester on **“Cyber security and Ethical Hacking”** in which they were briefed about various facts, techniques and importance of Cyber security and Ethical Hacking.
2. Workshop for II semester on **“Exploring IOT: Opportunities and Challenges”** which was an interesting one where students learnt about concepts related to IOT and performed various experiments related to it.
3. Faculty development program on **“Azure Machine learning and Data Analytics”** was a comprehensive training program designed to help faculty members develop their skills and knowledge in the latest technologies and tools related to data analytics and machine learning.



Toppers Corner



Nirma B
5th Sem BCA 'A'
SGPA: 9.43



Aneena Thomas
5th Sem BCA 'B'
SGPA: 9.25



Dhanushree R
2nd Sem BCA 'A'
SGPA: 9.52



Syed Mohammed Luqmaan
2nd Sem BCA 'B'
SGPA: 9.17