PRESENTS

CAMPULSE

STUDENT MAGAZINE

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FIRST EDITION

INDIAN INSTITUTE OF TECHNOLOGY GOA

COVER ARTICLE

Campulse: The pulse of our campus is not just a regular student magazine but a collection of every student's dreams, hopes, and aspirations at IIT Goa. It is a celebration of our collective efforts in making every single event and project a huge success and uplifting the name of our institute. It will be like a conversation with an old friend, with whom even a separation of ages vanishes with only a few seconds of interaction. It is a magazine by the students, for the students, which every single student at IIT Goa will proudly call their own.

At Campulse, we aim to cover every unspoken conversation and every unrealized dream. Our goal is to present to every student at IIT Goa a unique perspective of every happening event. From behind-the-scenes masti to the actual event, we have got it all covered. From keeping you updated on new and upcoming projects by our community to giving you insightful tidbits into the lives of our professors, we do it all.

Flipping through the pages of Campulse, you will have a surge of nostalgia hit your face. We have a student corner just for all original entries of students of IIT Goa. Along with it, we have fun crosswords and mystery sections in the store for you. If IIT Goa is like a body, Campulse is analogous to its heart. Thus, get ready to venture forth on a journey and hear the heartbeat of our campus.

TEAM ARTICLE

Dear visitors, welcome to the "Campulse Regiment." The Battalions of valorous men and women are dedicated to delivering you this precious and marvelous magazine.

Since you are visiting our Cantonment for the first time, let us familiarize you with our regiment's organization and its Area of responsibilities.

Our "Campulse regiment" is divided into 5 battalions:

The Reporting battalion, also known as 'The Spies,' is responsible for bringing crucial information to the team and events we cover in the magazine. Since you are here, it won't be wrong to assume that they have your whereabouts by now.

The Design Battalion, also known as 'The Da Vincis,' is responsible for creating a layout for our magazine, beautifying and making it presentable. I know you probably haven't seen any of the officers from this regiment, but you have seen their creation, haven't you...

The Media Battalion, also known as 'The Creevies, ' is responsible for capturing the Enthralling moments, making it possible for us to recreate them. Don't cross that fence; you might get captured by them!!

The Interviewing Battalion, also known as 'The Nayaks, ' is responsible for getting the enthusiasm of folks into the mag by talking to them. Did you hear the radio noise whirling? Because there might be an information exchange going on, on the radio!

The Content Battalion, also known as 'The Tolstoys, ' is responsible for pouring out their heart into writing the content and giving the magazine a tangible form. Do you want to know about them? Well, you made all these visits with an officer from that Battalion, didn't you?

EVENTS

FRESCO FIESTA

It is the legacy of all colleges to celebrate and invite the new bees every year with an enthralling fresher's party: IIT Goa left no stones upturned for that statement. On the fine evening of 11th November, in the basketball court aka 'auditorium - IIT Goa' ,gathered all the first years in four different groups united under the classic theme - Game of Thrones. The task was simple. Each group was supposed to present the performances they had prepared in the previous week as asked by the seniors and one who wins the judges' hearts, wins 'THE TROPHY'. Heading with the music performances, first the Baratheons were asked to perform while the other three groups namely - Starks, Lannisters and Targaryens watched in anticipation. With the audience cheering from the seats to seniors hooting from the hostel room window above, the entire basketball court was set into motion. doubt the first celebration at the campus was going beyond expectations for the first years. After music, it time for the groups to present their dance, drama ar one unique performance as per the rules.
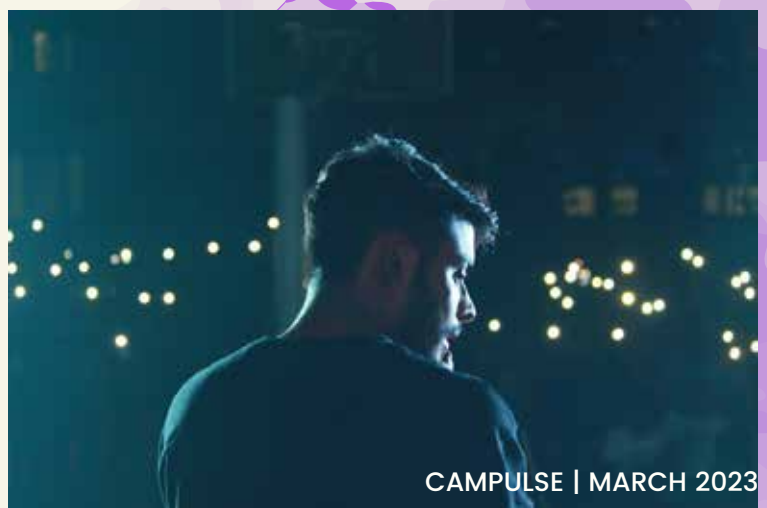
The Baratheons rocked the stage with their couple dance performance and the unique fashion show followed by the Lannisters with their performance on Tamil and Telugu songs which set the crowd grooving. This was followed by a phenomenal dance by Devyani of House Targaryen on classical beats. The Starks had the crowd go wild with laughter with their Hera pheri recreation.

The next was the selection of Mr. and Ms. Freshers with Lakshay Khurana and Vaidehi Pohekar bagging the titles. The award for the best house was given to The Starks for their creativity and perfection.

The fresher's night concluded with the DJ night where everyone enjoyed the vibes and let loose their emotions.

E-BIKE

The event which made Cepheus memorable to all of us: was E-Bike. The EV Bike Competition was among the best events of Cepheus, no doubt about that. Teams from pan India participated in the event with their unique hand-made Electric bikes. The main motto behind conducting the event was to promote the culture of electric vehicles as participants encapsulate their design and technical minds creating them.

It took place on February 9, the second day of our grand Cepheus, and every team was ready to showcase their E-Bike. Around 6 teams unveiled their Electric bikes, and the battle began. Some E-bikes just failed in between tests, and some survived. After evaluating all aspects, including design, efficiency, battery life, etc., The team which nailed every requirement and won the leaderboard was "Team Bolt." The event indeed bagged everyone's attention.

MAZE AMAZE

Have you traveled a path once and forgotten it another day? We are humans, so yes, we do. But won't a robot remember it? The event, Maze Amaze, was about testing that only.

Maze Amaze, a line-follower bot event, was conducted under the vision of Hetarth Bhatt on the 11th of February. There was a dry run for the event a day before when robots stored the maze in them, and on the next day, robots' memory was tested. Everyone was in awe as they saw robots solving the maze independently. Some bots made their way to the final line, while some didn't. Though participants faced technical glitches, their hard-working spirit overcame them easily. So, it was fun overall. The gathered audience was satisfied at the end; their smiles signified it.

ARSH GOYAL

We are always fascinated to see some famous YouTuber live in front of us no matter what content they create, yeah? The probability of Yes is relatively high.

To enlighten students to the best placement-grabbing techniques and roadmap to success, we had Arsh Goyal with us. He is a renowned YouTuber fostering placements opportunities, strategies, and roadmaps to high-rated internships.

The lecture hall was filled with enthusiasm and positive energy; of course, no seat was left. He motivated the audience by discussing how he sailed through difficulties pursuing his passion. He guided students about placement opportunities and much more. His influence in fostering internship opportunities at IIT Goa is visible through the large numbers.

ASHU SHUKLA AND BASE GUNS

The twelfth of February was a night to remember as IIT Goa was soaked in soulful music by Ashu Shukla, followed by an electrifying performance by the Base Guns. The evening commenced with Ashu Shukla singing some of his original music. The singer then went on to sing some other melodious tracks. It was a sight to behold as the entire audience had torch lights from their mobile phones on as they sang along.

The Base Guns then took over the stage. They indeed had the crowd dance fervently to the chartbusters being played one after the other.

The evening had a great footfall with the audience from all over Goa. The vibe was that of high energy and people turned up in the best of their outfits.

There certainly could not have been a better way to wrap up Cepheus' 23!

TREASURE HUNT

We all grew up watching treasure hunting movies and cartoons like The Mummy , Dora etc. So when this idea was concretised the level of zeal in the college was unprecedented. It was only to announce the event and the participation got soaring. Participants were from both 1st and 2nd year. A total of approx 30 teams participated.There were spectators all around and competitive spirit prevailed.

Each team was given a clue from which they had to decipher the location of the next clue. In total there were 3 clues in the 2 rounds. The first round was elimination round and the first 6 teams to come up with all the clues qualified for the final round. During the events there was an electrified atmosphere where everyone was running around with clues from blocks to blocks. Some applying brains,some searching together, a perfect recipe for teamwork.

Finally ,The Jambalakudi Jaaru Mitay, made the way through and bagged the first prize followed by The Billi gang who was the runner up for the same

PREPARATION FOR CULTRANG '23

How do we know the Copacabana concert was majestic or The Beatles were marvelous? It's because we witnessed it in recorded form.

Extrapolating the same concept, we decided to present our college's very own "Copacabana" through the CultRang after the movie, which premiered on YouTube on 7th Feb '23 at 5 o'clock in the dusk. The aftermovie was made by the team originals, IIT Goa putting much effort into making it efficient. A teaser was also released on 5th Feb to create anticipation to make it acclaimed. It was also released on other social media platforms like Instagram, linked in, and WhatsApp from CultRang Handle.

Talking about the aftermovie, the CultRang'23 team is very hopeful about the hype and expectation it would create in the college folks. Also, it would set a mood and tone for the CultRang'23.

CULTRANG '23
Special edition
Coming Soon

REPUBLIC DAY

26th January means a lot of different things to different people. Still, most importantly, it unites us all as Indians and instills a patriotic fervor in all of us. Being one of the most prestigious institutes of technology, it was the duty of IIT Goa to not only celebrate Republic Day but to ensure that every student and faculty realizes their devotion to the country.

The ceremony began with all staff and students welcoming Dr. B.K Mishra at the Academic Block where the event would occur. He then hoisted the Flag, and within seconds the three colors blended with the bright shining sky. All stood singing the national anthem in unity, their eyes gleaming with patriotism. That was just the beginning.

Two phenomenal performances were performed by the freshers. One was the harmonious patriotic music performance by Lakshay, Sneha, Devansh, Uday, and Shashank; the other was a heartwarming poem titled 'Sainik,' recited wonderfully by Nayan Garg. Following this, Dr. B.K Mishra enlightened the crowd with a few golden words and awarded prizes to the winners in Inter IIT spor and the Essay Writing Competition held during vigilance awaren week. Mr. Hemant Singh secured the 2nd position in Inter IIT Trip Jump, an evidently proud moment for our college. Kota Navya a Atharva Keny won the 1st prize, and Nayan Garg won the 2nd pri the Essay writing competition.

To keep things exciting and fresh; quiz, poetry writing, and poster-making competition were also organized by the student body. The quiz by quiz master Jatin Reddy filled LH1 with such enthusiasm that volunteers had to be appointed to handle the crowd. The four-round quiz went on for about 3 hrs. The winners were: First prize- Shashank Kadam, Sahil Garg, and Aayan Bag; Second prize: Diptim Nayak, Prateek Ganorkar; Third prize: Kota Navya, Aditya Muppavarapu, Sreevardhan Bellamkonda. In the poetry writing competition, Akshara Brijesh, Sachin Kumar, and Amey N. Dessai won the first, second, and third prize, respectively. The ethnocentric posters by Harish M, Hemant Singh Sidar, and Adwita Deshpande for the poster-making competition won first, second, and third prize, respectively.

PATANG UTSAV

Makar Sankranti: A festival that holds a special place in the hearts of everyone. From kites soaring high in the sky to the various delectable confections of everyone's home state, it celebrates new beginnings. Somehow, the same excitement we felt as children had begun to fade, seeing the empty skies and mundane routine of our college life. The academic pressure to perform was like hell, and there was no respite.

Six students from the batch of 2022-23 decided to bring life to our boring campus life by organizing the first-ever kite festival of IIT Goa! The organizing committee of enthusiastic minds included: Kris Ajudiya, Jash Gaglani, Arnav Sadhwani, Yashrajsinh Jadeja, Dhaval Nikam, and Harshit Goyal.

January 14th was the date, and GEC Ground was the place. The team first felt that the participants would not be as good as they had hoped. And the number of registrations had made it crystal clear as they received only 50-60. But on D-Day, boom! Around 150-200 people showed up on the ground, out of which about 80-90 students sought to buy 'Patang and Manjha.' Even the students who knew nothing about flying kites showed up to cheer their friends and click photos in their shining traditional

Students were like, "Saala ye dukh kahe khatam nahi hota be! :("

Le Freshers, "Hum karte he Prabandh, aap chinta mat kriye. ;)"

There were continuous cries of "Kai Po Che!" throughout the day. The team had successfully created an electric atmosphere. The students grooved to the music played on the party box amidst the constant kite rivalry. To everyone's surprise, the whole event kept running throughout the day till the sun had taken its leave. At the end of the day, the best thing we saw was: The SMILE on everyone's faces. Hats off to the team for conducting such a fantastic event.

CLEANLINESS DRIVE BY VARAHA

Climate change is one of the hot topics of our times. Everyone wants things to improve, but no one wants to clean the gutter themselves. But when the responsibility falls into the hands of capable youth, every problem finds a solution. Something similar happened at IIT Goa on 24th December, on a fine Saturday morning. More than 90 freshers had gathered, geared up with masks, gloves, and enthusiastic spirits to make a difference. The task was simple: clean every inch of the Infinity ground, admin block, LH1, and neighboring areas around the hostel.

Organized by Varaha: The climate community of IIT Goa, this cleanliness drive aimed to make a statement by taking small steps in the right direction. The volunteers were divided into groups of 10 headed by members from Varaha to clean the area assigned to their group. Strength lies in unity, and when it's for a noble cause, no one can stop you. Results started showing up within an hour of hard work. The green in the infinity ground had no more wrappers lying around. The change was visible, and we were proud of it. Not just freshers but even the cleaning staff members gave their best to make this drive successful. From holding garbage bags and ensuring students' safety to helping them equally, the cleaning staff did an excellent job.

As the summer worsened by 11 am, many students got tired, but the Varaha core members didn't let the enthusiasm go down. They kept raising their morale and encouraging them. With tired bodies and broad smiles, all the freshers walked back proudly to the hostel gate. The smiles got broader when they realized that refreshments were in order! The drinks felt way more relaxing after achieving something. Varaha had proven both: its purpose and power that day.

Neural Interval Abstraction, wow, that sure is a mouthful. But Third Year BTech student Nandini Mawane made it sound like a cakewalk. The seminar was held at the IT Lab on 10th February 2023 at 3:30 p.m. in front of an audience of 20-25 people. The audience consisted of MTech and Ph.D. students, as well as our CS and MnC faculty members.

The seminar went smoothly, clearly conveying the idea of neural interval abstraction. It explored in detail its essential concepts, applications, and limitations. After the seminar, Nandini said, "As a BTech student, it felt good to present my understanding in front of an informed crowd."
We look forward to more such excellent sessions conducted by our talented BTech students.

GRAFIKO WORKSHOP

You must be in awe when you have seen the design of our Campulse, aren't you? That is the power of designing skills. "I am literally thinking of curating a design for my T-shirt! Can anyone help me with it?" Someone helped him to do it and he was like, "Nobody could have done it better."
Le Grafiko: "Hold my beer;)"

The design club of IIT Goa: Grafiko keeps conducting various design workshops to improve the design culture at IIT Goa. One such session was conducted on January 19 by the club, led by the club head, Utsav Bansal. This 1.5-hour session introduced the students to the basics of Adobe Illustrator and topics like Typography and color theory. Although it was the first design session for our freshers, the session ended with a live demonstration and smiles on students' faces. Now, students are experimenting with our existing logos to create new ones. Isn't it fascinating?

INTER IIT SPORTS MEET

The Inter IIT Sports competition is organized annually to foster the sports culture among the IITs. Our college, since its inception, has actively participated in the same.

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Before setting foot for the Inter- IIT Sports Meet, the IIT Goa team had already shown mind-blowing enthusiasm and spirit for it.

Adding a feather to IIT Goa's cap, for the first time, the Girls' Team was also going for the meet. The team used to practice long evenings for it. As said, "Journey is more important than the destination!" the team faced every ups and downs with a smile. From team formation to D-Day, the contingent team showed ultimate determination and persistence.


This year the competition was held at IIT Delhi and IIT Roorkee, where our college sent its contingent. The team left for Delhi on the 11th of December. But as we know, every Arjuna requires a Krishna to mentor and motivate them; they were addressed by Dr. BK Mishra, Dr. Rishikesh Narayan, Rajeev Gupta (faculty in-charge sports), Mr. Santosh Upadhyay (Assistant sports officer) and Mr. Manmohan Sevda.

On the day of departure for the meet, the energy of the contingent team had lightened up the atmosphere of IIT Goa as all members gathered on Basketball Court. Despite all players being divided into train compartments, their excitement was unbeatable.

The grand opening ceremony at IIT Delhi and IIT Roorkee set fire in every team from 23 IITs that came to show their moves. In the words of one of the players, "Like National Sports khele jaa rahe ho vesa mahol tha... Just lit!" And then, the series of achievements began!

This year the IIT GOA contingent performed its best in the tournament and set many records. Hemant Singh Sidar won the silver medal for the Men's triple jump with a jump of 12.63m. Adding another feather to the cap, Hemant also secured 7th position in the long jump with a leap of 6.1m. Pawan Kumar and Pavithra Soman secured 11th and 9th positions in men's and women's 100m races, respectively. Our Badminton team defeated IIT BHUBANESWAR by 3-1. Following suit, the cricket team won against IIT Jammu by 51 runs. In Lawn Tennis, we defeated IIT Gandhinagar by 2-1; in volleyball, we got over BHUBANESWAR by 3-0. Also, Koilakuntla Veerandra secured 7th position in weight lifting 155 kg in under 69 kg category.
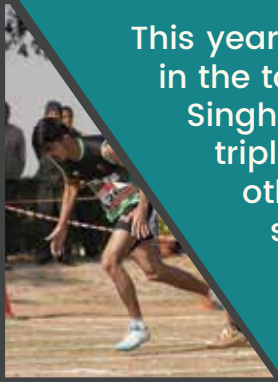
HEMANT SINGH SIDAR

PAVITHRA SOMAN

MINI SPORTS
TOURNAMENT
(Badminton, Lawn Tennis, Table Tennis, Volleyball, Futsal)

It was the month of January when our freshers had their End Semester exams scheduled; because of this, the surroundings of the hostel were pouring out negativity only. Everyone was locked in their cells, studying hard. Only nights filled the campus, and credit goes to the Canteen. The Sports Council observed these things and devised an energetic solution to lighten the atmosphere. The answer was: The Mini Sports Tournament.

This two-day tournament was conducted from 20 to 22 January and included four sports: Badminton, Table Tennis, Lawn Tennis, and Volleyball. Various people coordinated various sports tournaments. Though it was named a "Mini Sports Tournament," it didn't seem like that!

The tournament proceeded with elimination rounds and followed by exciting semi-finals and finals. The excitement jumped into everyone as the battles started. The Badminton tournament, coordinated by Avinash and Prajwal, consisted of Men's Singles, Men's Doubles, Women's Singles, Women's Doubles, and Mixed Doubles.

The players who fought their way to the finals and nailed it includes Aryan Olkha (Men's Singles), Team ``Imagine Loosing: Annupai Sai and Tejas Kumar" (Men's Doubles), Khushi Pal (Women's Singles), Team "JK: Krishnaveni and Kaushiki" (Women's Doubles), and Team "..: Krishnaveni and Prajwal" (Mixed Doubles).

When our best shuttlers were fighting for finals, at the same time, our tennis players were facing shooting balls from their rivals. Of 26 players registered, Tushar Aggarwal and Rutvij Saykhedkar blocked the Final places. Every moment of this final was breathtaking. After the fantastic match, Rutvij defeated Tushar and tagged his name to victory!

Along with this exciting tournament, a 2-day Intra-college Futsal Tournament was conducted from the 28th to the 29th of January. A total of 11 teams showed up for the clash, each consisting of 7 players. The best two teams: Benam and The Boys, had made their way to the Final. The night was dark, but their energy for Finals lighted the ground! In the breathtaking final, team "The Boys" defeated "Benam" by 3-1 and won the tournament! After this, I wondered if the Gully Cricket Tournament could also be conducted at IIT Goa. Sports Council, is it possible?

Divided by many things, United by Volleyball. It was the game that entertained IIT Goa the most. Capturing the rage of the contingents, it set the stage for the rivalry between the teams that later in the tournament, in the finals, transformed into the rivalry between the years(1st and 2nd) with "Team XXX" representing the 2nd year and "TEAM SHIVAM" representing the 1st year. The game saw the maximum crowd in which people left all their work aside to witness the breathtaking battle. Ultimately "Team XXX" won the close match.

Table tennis added a feather to the sports tournament, moving the spectators' eyeballs faster than ever. The event started with eliminators letting the best of the best move forwards. The Men singles finals took place between Kartikey Sharma and Sayan Sarkar, with Sayan Sarkar bagging the first prize and Upendra Katara securing the third place.

The Men's doubles matches saw fierce battles with AAB KHUD PILENGE team (Aditya and Om) bagging the first, SONICS (Sayan and Ritik) bagging the second, and SEVBOYS(Upendra and Satvik) securing the 3rd position.

The Women's Singles was full of efforts with ups and downs in the game. The game ended with Manali Naik securing the first and Sejal Gupta getting the 2nd position.

The F1 Ground 3 thrills every youngster out there.Well to your surprise we have a team that builds F1 cars.

The team known as "motorsports", deals with the design and fabrication of performance electric vehicles. The team consists of a total of forty members. Together, they have the Electrical, Mechanical and Non-Technical team, along with the faculty Advisor Dr. Anirudha Ambekar and Head of Technical affairs, Dr. Satyanath Bhatt ,who supervise over the process and provide their guidance.

The Activities that are undertaken by various teams are as follows:-

The Electrical team mainly deals with the testing and design of the motor, battery and the motor controller system.

The Mechanical team
Involved with the design and fabrication of the vehicle. It consists of subsystems like chassis, brakes and suspension.

The Non-Technical team is involved in fetching sponsors,marketing, HR and finance management.

As the club Head Varun Gohil states "We started this academic year by taking part in an online competition- Pi Ev 2022.

MOTORSPORTS

The purpose of the 6th Annual FSEV Concept Challenge (Pi-EV 2022) was to provide teams with an opportunity to conceptualize and design a Formula Student Electric Vehicle Powertrain Package which would meet the Formula Bharat 2023 Rules booklet technical guidelines. Students had to prepare documents / presentations for the following categories involved in the challenge:

- FMEA Report
- Procurement Strategy Report
- Team Management Report
- Software Integration Report
- Design Specifications Sheet Report (DSS)
- Engineering Design Presentation (EDP)
- Q&A Sessions

Next, we began the restoration of an old formula student car which was built by our Alumni.

The vehicle was in bad condition and we took it up as a challenge to upgrade and rebuild the old vehicle while keeping our budget to a minimum. The project allowed our junior members to be familiarized with machining processes involved in vehicle manufacturing. The project is now completed and will be soon unveiled at the institute via an event that will be hosted by us in the ongoing month."

Along with the unveiling event they plan to have another event in the upcoming month involving a guest speaker from the motorsports industry.

Currently they have taken part in what would be one of the most ambitious projects undertaken by IIT Goa motorsports- The Indian Karting Race season 8. This event is the largest go-karting event held in India. It will require our team to travel to the Buddh International racing circuit in Noida. They plan to improve on their award-winning go kart design from the previous year (FKDC 2021) and complete its fabrication so that it may be taken to the race track.

FRESCO
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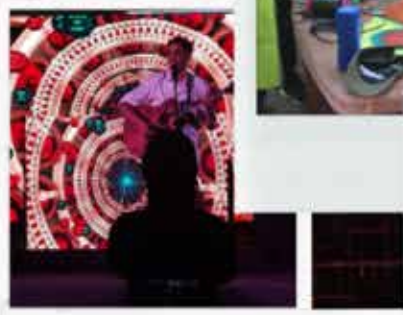
CAMP

ARKLE Energy
Vanadium Redox Flow Battery

Jeevith Reddy , Aditya Singh (2024) , Varad (VIT Pune)

Setup of VRFB of Arkle

INTERVIEW.

1.What exactly is ARKLE energy ?
Who are it's members ?(Aditya)

ARKLE Energy is a team of 5 members from two different institutions. Three of us are from IIT Goa. I study Mechanical Engineering, interested in control systems, power electronics, and electrochemistry. Jeevith Reddy, also studying Mechanical Engineering - specializes in flow batteries and flow systems development. We also have Yohan Kumar, a Computer Science Engineering student, leading the major part of stack development. He is skilled in AI, ML, and flow batteries. Our team also includes Vivek Mahananda, who is doing his Ph.D. in flow batteries from IIT Madras, and Varad Latkar, who is studying Computer Science and Engineering at VIT Pune. Varad is in charge of business development and is skilled in electrochemistry, programming, and 3design fundamentals. We have varied areas of interest and specializations in Mechanical, Electrical, Computer Science, and Electrochemistry. This helps us get just the right mix of expertise in these domains.

2.What does ARKLE mean?(Aditya)

Arkle actually means HOPE

3. What hands on research you do in iit goa for arkle? (Jeevith)

We work on Vanadium Redox Flow batteries, which have a few major components: the electrode, electrolyte, membrane, and bi-polar plate. We at IIT Goa are currently modifying each component using nano-additives and polymers to improve performance by 2x and reduce cost by up to 25%.
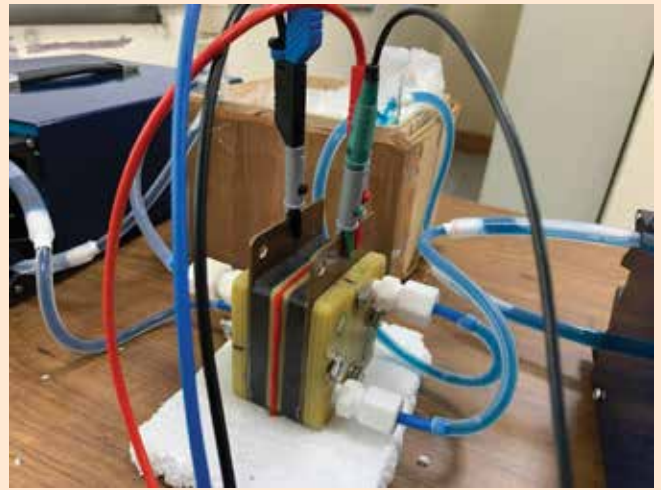
4. What role does faculty play in your startup?(Aditya)

The professors at our institute have been helping us develop a technical foundation by giving us lab facilities and their expertise when needed. Dr. Raja Mitra assisted us in conducting experiments and comprehending the Vanadium Redox Flow Batteries chemistry, forming this startup's basis. Dr. Satyaprakash Ahirwar is giving us lab space and mentoring us as we construct a prototype for a 12V stack. During this time, he frequently brainstorms with us to develop novel battery-related solutions. Neeraja Ma'am spent hours working with us to polish our pitch decks. We are extremely grateful to all the faculty supporting us in building this startup.

### 5. How did you meet varad?(Jeevith)

Varad and I are batchmates from Pre-University College (11th and 12th). Right From our first interaction, we both had excellent work chemistry. He is simply one of the most remarkable individuals I have ever encountered in my life who possesses extraordinary qualities of selflessness, humility, and determination. This person is unafraid to challenge conventional thinking and is always eager to innovate and redefine the status quo. We never had any plans to work on a start-up together, but when we were beginning ARKLE, I felt that if I needed someone by my side, it should be him. Simply put, he is the kind of a person you wouldn't shy away from going down a rabbit hole.

6. What challenges do you face while researching? (Aditya)

Researching itself is a very meticulous and iterative process. You've to be patient and active during your work. Getting everything right is the most important objective here. Things may not go as said even if you do precisely what's told because you might not understand what they actually mean. To produce the outcomes, we must document the results accurately and iterate them at each stage.
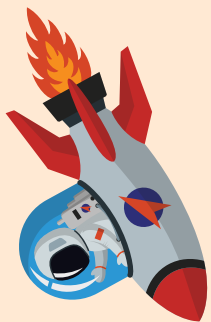
Q. Can you brief us about the new and unique events and activities conducted in this year's fest?

We had many amazing and unique events that provided life to our Cepheus. One such event was the EV Bike event conducted by Runal Palker and his team. It was a significant achievement for us because, generally, such events are run under some club. Still, we had pulled it in our TechFest. The main motto behind conducting this event was to promote Electric vehicles in the industry by providing exposure. The enthusiasm of the teams made it a memorable event. Another such event was Maze Amaze by Hetarth Bhatt, in which pre-built rovers were made to solve the maze. The events also included PS gaming and, of course, a fruitful talk by famous YouTuber, Arsh Goyal, regarding internships and all.

Q. Can you briefly explain your role in this fest?

Talking about my role in Cepheus as overall coordinator, I was supposed to decide what to do and what not. The main agenda of Cepheus was to expose everyone to various technologies because, in past years, only a few technical things had happened. So, indirectly, we would take up ideas from other TechFests and try to implement them by applying some modifications. The idea of an EV Bike event came to me from my brother as he participated in such an event under a club. I thought, why not replicate it to Cepheus?

Q. What were your expectations before the fest? Were these expectations fulfilled?

Talking about the expectations before the fest, we had the least expectations really because the motto of organizing this fest was to expose everyone to remarkable technologies and social responsibility only. We conducted Scratch Competition workshops and Arduino workshops in around 5-6 schools for students. The best thing we received in exchange was their Smile. Because of this, our purpose was fulfilled. Also, the events were conducted very smoothly, and although we faced some difficulties, we overcame them. Hats off to our event manager, Aniket Chaudhary! Next year, we are aiming to scale it up to another level. We have created the base for our Cepheus this year. We hope our enthusiastic juniors make it as grand as the Techfest of IIT Bombay.

Atharva Bhanage

### Kanwar Raj

Q. What were your expectations for Cepheus? Did it match your expectations?

My expectations were high because it is our last year here at IIT Goa. We won't be able to experience Cepheus in the upcoming years. And to our surprise, it was a boom! Everything, starting from decorations to EDM nights, was lit! So, yes, it did match my expectations. In other words, everything was good!
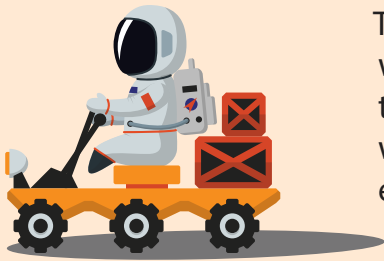
Q. How was your experience conducting the school workshops for Cepheus?

The experience of conducting the workshops was worth it. We received excellent responses from school students. Their curiosity for learning was outstanding. There were lots of happy faces at the end of the workshop. It was enjoyable and satisfying to conduct the whole seminar. Simply, our motto was fulfilled.

Q. What were the various challenges faced and how did you overcome them?

As we had no prior experience conducting workshops for students, we faced many difficulties. Also, all students didn't have laptops having the specifications required for Arduino IDE. We also weren't able to manage time in the first workshop. But from the second workshop, we improve, coped with conducting it smoothly as we learnt along the way.

Q. What is it that you feel Cepheus was able to achieve through these events?

Through these events, Cepheus increased its visibility and reached a wider audience. By offering educational and informative content through these events, it has provided value to attendees and built trust and loyalty with its audience. Cepheus created a base and sense of community and exposed curious minds to remarkable technologies.

Runal Palker

Q. How did the event go overall?

The overall fest went great, considering it was our college's first offline technical fest. In total, 19 events were hosted as competitions, hackathons, and quizzes. Each one of the events was interesting and was different from the usual technical competitions. Event-wise participation could have been more substantial in some events, but overall participation was satisfactory.

Q. Were there any unexpected challenges or issues that arose during the event?

The organizing team faced many unexpected challenges before and during the fest, as we needed to gain experience in organizing an offline technical fest, and we needed someone to consult from. We faced issues in sponsorship, marketing, and PR as we didn't have any previous data to show the footfall and the level of the fest, but we still managed to get sufficient sponsorship before the fest started. Event planning and management were great, but the execution was a bit off track. We also struggled with getting the hostel permissions on time, but in the end, the fest was conducted smoothly, and all the events were carried out successfully

Atharva Bhawsar
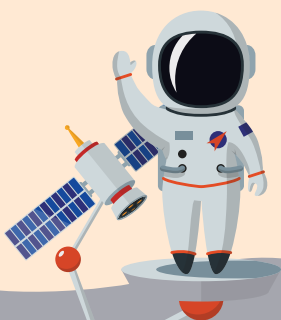
Q. How does conducting cepheus after years in offline mode (1st time in offline mode)feel?

The previous two editions of Cepheus were conducted online due to the pandemic. The first edition of Cultrang was actually a techno-cultural fest. The then GS had done his best to get technical and cultural fests conducted separately, but that could not come through due to financial constraints. Cepheus' 23 was conducted in the hybrid mode. It feels really good. I had also spoken to previous GS, who had been overall coordinators during their time. They were happy that Cepheus is becoming a brand across India. Conducting Cepheus was like working in a start-up. Cepheus is not an already established brand. So we have seen its growth from the initial stages and how things accelerate as they proceed. Though it was hectic and time-consuming, the team was committed to making it successful. It feels great to get good feedback from people.

SRAJAN

Q. As GS technical, what were the challenges faced by you and your team while conducting the fest? How did you overcome these challenges?

I currently assume the charge of General Secretary, Technical Affairs, besides the Overall coordinator of the fest. Therefore it made my schedule quite hectic. But I want to acknowledge the efforts of the 2 coordinators and the overall team members for their utter dedication towards the fest. We together had many sleepless nights working to make Cepheus a success.

For instance, let us look at the miraculous work the sponsorship team did. Bringing such sponsors wasn't a cakewalk, as we had no prior experience with an offline fest. Although the precedent fests were spectacular and the team had done an excellent job this time in market research and analysis, the companies asked for real-time data, for example - footfalls, reach, etc., which we didn't have at that point of time. So seeing the challenge posed, the team alleviated its effort. We reached out to companies with commitments and even visited many companies' offices. The cumulative effect of all these efforts was what you saw in the spectacular fest.

Q. How did you come up with this year's theme?

So this question is tricky. The theme is crucial for any fest as it is the first thing people will see when they come. We struggled a lot initially, but then we decided to conduct a Cepheus theme meeting. The whole team was gathered, and we all brainstormed about what could be the theme. After a long 3-4 hour meeting, we finally came to a conclusion. A massive shoutout to Rohan Manro for writing the Cepheus storyline for the theme Cepheus Multiverse: Cepheusverse.

This year we thought of a theme we could build up in the coming years. We're considering making it like a web series where a new season comes based on the theme each year, and something new, exciting, and thrilling comes in each year. This year we have started with the Cepheusverse of around two to three universes. Next year also we would like it to be the same with new exciting additions.
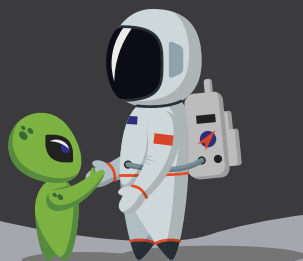
Q. How did the event go overall?

The event went well. Seven teams, three from Goa and four from Tamil Nadu, brought their maze-solving robots. The event had two runs: a dry run and an actual run. In the dry run, the robot had to analyze the whole maze by traversing it and simultaneously store the shortest path to the final point. In the final run, the robot had to traverse through the maze via the shortest path in the shortest time possible. Unfortunately, none of the teams were able to finish the dry run. One of the teams reached halfway through the maze but could not reach the endpoint.

Hetarth Bhatt

Q. Were there any unexpected challenges or issues that arose during the event?

The issues faced by the teams included hardware calibration, which, for example, includes playing with the distance between ground and infra-red sensors, changing the potentials of infra-red potentiometers, maintaining the circuit integrity, and many other essential aspects of the electronics and mechanics niche.

Q. Are there any areas where you think improvements could be made for future events?

Ultimately, the event was fun, and the crowd enjoyed watching this robotics event at IIT Goa. I hope this event is conducted again, and we'll have our robot participating.

Anonymous Interviews

Q. How did it feel to work for a College Fest for the first time in your lives?

It was exhausting. Joke aside, it was an incredible experience. I refined many skills like communication and time management. And I also got some insights into the work, and I have to add that it is not as simple as it looks. Though we did a lot of work, it was just a tiny fraction of what needed to be done. Our seniors did most of the work. This was a fantastic opportunity to work with our outstanding seniors.

Q. What was your role in the Cepheus?
What do you expect to happen in Cepheus in the upcoming years?

As a whole, the only role assigned to us was to help the event heads in event conduction. I had also thought of one of the fun events, which received a fantastic response from the crowd.
I had developed an OpenCV Hand Detector game which was actually "Move the Block" using a hand.
The response I received was very satisfying.
"In the future, we expect to get event participation as massive as participation in Tech Fest of IIT Bombay."

ARYAN TOMAR

How do you typically plan the events for the Cultrang?

First of all, we do research which event can be added to the fest or removed from last year's CultRang events considering the pros and cons of each event like the budget, workforce, and venue needed for the event.

We ensure that events are well distributed over three days, organizing parallel events to prevent overcrowding at a single venue. The timing of the event is important since the public shouldn't be lost while we're transitioning from one big event to another; that's why we organize fun games. The most crucial step in planning is to do a thought experiment on the event and the fest as a whole. This clears up the flow, requirements, and possible problems.

How do you ensure that events appeal to a diverse range of attendees and are inclusive?

The minimum the prerequisites for an event, the more the participation will be. This rule helps to gather a large spectrum of attendees in fun events. In competitions, we refrain from putting themes and niches to the events like only Indian or only Western in cultural competitions. Moreover, we try to plan inter-domain parallel events like literary events going in parallel with music events. This way, the attendees get a choice and believe me, people love to choose from options.

How are you managing the budget for the fest and ensuring all events stay within the allocated funds?

While allocating the budget for the events, we try to allocate just 80% or 90% of the total budget, leaving the rest as a buffer. It's necessary to keep a buffer because it's never practically possible to spend within limits.

ARYAN TOMAR

ADWITA DESHPANDE

Q. Have you decided on any theme for designing? If so, What is it?

This year, CultRang is based on the theme "Time." This broad theme has given us so much space for a variety of ideas to think upon. After extensive changes, we have decided on "Brutalism" as our design theme.

Q. What can we expect from the design team?

You can expect many modern, sleek designs and eye-catching posters from our side. The design team works very collaboratively, and every member contributes in some way.

Q.What typography and color schemes are you going to use?

We have decided to take up on Dark Theme with one accent color for the event posters.

Q. What prerequisites were needed to be a part of the design team?

There are no prerequisites to be a part of a design team. You just need to be curious to learn and interested in design.

Q. How did you come up with the logos, and what all work did the design team do except making posters?

Besides making posters, we will be creating banners, tickets, logos, and merchandise.

Q. How does it feels to have CultRang in full-fledged offline mode after 2 years?
Having CultRang in offline mode will be very exciting as we can do amazing things that we wouldn't be able to do in online mode.

Q. How excited are you for the fest, and which all events are you eagerly anticipating?
I'm very excited for the CultRang and am damn sure that every event will be super-exciting. Talking about specific events, I'm eagerly waiting to witness Quizzes and Blind Part Competition.

Q. If you were to participate in any of the events held in CultRang, which all events would you like to participate in?
I'm thinking of participating in every event if possible, but for which I'm damn sure are Face painting, T-shirt Painting, and Digital Art Competition.

VAIDAHI POHEKAR

Q. How does it feel to be part of the decor team for your first ever college cultural fest?
It is really exciting ! There's a lot to learn from the seniors and working with them even enhances the bond between us.

Q. After a gap of 2 years we would have our cultural fest in full offline mode, what are your expectations regarding the same?
I'm expecting it to be a blast! With all the teams working at their best I see the fest becoming an ultimate success.

Q. How are you people planning to carry out this year's decoration and what all can we expect from the team?
We are doing our best and I wish the visitors enjoy the visual treat we are trying to create.

VAIDAHI POHEKAR

Q. How excited are you for the fest and what all events are you eagerly waiting for?
I'm eager for the fine arts competitions, treasure hunt and all the other fun games.

Q. What are some new initiatives taken by the decor team to take this year's decoration to another level?
Ans :We are trying to engage the public by making 3d models and some interactive sections.

AMIT SONAJE

Q. When and how did you come up with the idea of conducting dance workshops?
I observed many people were eager to learn Dance, but they were not able to figure out how to start. So I decided to conduct the first workshop in which I taught basic freestyle dance and got them familiar with different dance styles. On public demand after the success of the first workshop, I along with Sejal decided to take another workshop where we increased the difficulty and we got more responses.

Q. How did you choose the dance styles that you teach in these workshops?
Dance styles were chosen from basic to advanced. Mostly I included basic steps from dance styles like Locking, Popping, Bhangra, Lyrical, Old school hip hop, etc.

SEJAL GUPTA

Q. How excited are you for the fest, and which all events are you eagerly anticipating?
I'm extremely excited and absolutely looking forward to the fest, especially the pronites. I'm looking forward to being a participant and a spectator in many events and witnessing extraordinary talent coming from different places.

Q. How is your practice going on for CultRang?
The practices are going well, we're preparing for the group dance competition with a highly talented team of 20 people, and I'm preparing for Footloose, the solo dance competition. I hope our hard work pays off.

Q. This will be your last CultRang, and you will perform for the last time in college. How does that feel?
The realization hits very hard. This is probably the last time I perform anywhere because once I'm in the corporate world, I probably won't find the platform to perform either. I'll miss all the support I've received in college for my art from my seniors, peers, juniors, faculty, and staff. I'll miss the cheering, the expectations, and the appreciation. But I'll probably come to visit for the next CultRang, so I hope this is not the last of it!

DIVYANSHI GOVIL

Q. How has your experience been being head of the marketing team for this year's CultRang?
The overall experience was good. I got a great team who understood what needed to be done, along with being creative and coming up with new ideas. They worked hard, were supportive, and turned out to be not only good teammates but friends too.

Q. What new initiatives did the crew take to increase footfall and popularity this year?
For CultRang'23, the team started an ambassadorship program to get more participation, ultimately giving positive results.
Instead of relying on one team visiting colleges, two separate groups were formed for college visits which helped us to cover more colleges in Goa.
Using social media advertisements, we covered many more crowds.

UTSAV BANSAL

Q. What all can we expect from designing team?
The design team's work is to create posters, brochures, website designs, banners, and merchandise that will effectively represent and communicate our festival to others. Good design work is known to attract people's attention, so our team puts forth their best effort to ensure high-quality designs.

Q. What typography and color schemes are you going to use?
The theme of most of our work features a dark background with a sans-serif font. We have used a variety of colors on different posters and have incorporated images into them as well.

Q. How did you come up with the logos and what all work did the design team does except making posters?
The logo for the fest was designed by Harish Bhaiya and Manali Didi, so I am not aware of the creative process behind it. However, the logo clearly reflects the theme of the festival.
In addition to designing posters, the design team is also responsible for creating brochures, website UI/UX, banners, merchandise, and more.

SUYASH MADALE

SUYASH MADALE

Q. How does it feel to conduct CultRang in full-fledged offline mode after 2 years?
It feels exhilarating, exciting, and challenging at the same. CultRang is more than just a festival, it's a legacy that is going to be followed. I'm sure that the return of our very own fest CultRang in full-fledged offline mode would bring a sense of normalcy and an extremely delight-ful experience to everyone.

Q. How did the whole crew come up with the theme and can you brief us about the theme?
Theme is one of the very important aspects of the fest as it shapes and provides a unifying focus for all the activities, performances, and executions in the fest. We wanted a theme to be more generic, relatable to everyone, and attractive to execute in terms of getting ideas for decorations, designs, etc. So we came up with "Time Peregrination" and the tagline "PAUSE-PLAY-REWIND". This indicates, PAUSE to live every joyous moment of CultRang to live that moment for even more. PLAY it in your heart, live, and enjoy the moment in the present. And After that REWIND it to live that moment again. That's the basic idea behind it.

MRUNMAYI KULKARNI

Q. Do you have any experience in anchoring before?
Yes, i did anchoring during school times.

Q. What is the thought process behind writing the script for the event that you are going to host?
You first need to design the script according to how formal or informal the event is.You also need to make sure that your script is in accordance with the time duration.
Your script must follow the flow event.

Q. What motivates you to go to anchoring ?
Appreciating the teams for their performance and boosting them up with your words is what motivates me to do anchoring.

STUDENT CORNER...

POEMS

A Magic Tale

Midway through the journey
Lost in wilderness and agony
Looking for the fading Fantasies
I found a secret door

Red waves in a smoky blue moon
They gored off my eyes
I saw a reflection in the mirror
That lured me by its glances

It extended the path along
With drum beats and joyous hoots
To the secret feast of the mighty

Colorful patterns exuded
Those colors, so fresh and new
Like walking rainbows

With songs of fairies sung in chorus
To the high pitch tunes of cymbals
I was welcomed without an invita-
tion

Magic magic everywhere!
There began a blissful tale
Of a life kissed by angels

– Pavithra T Soman B.tech 2021

॥ इश्क़ हमे हो ही गया ॥

कहते हैं प्यार में पड़ने के लिए,
हमनवा कि बस एक झलक काफ़ी होती हैं।
गलत कहते हैं,
हम तो उनकी परछाई पे फ़िदा थे॥

परछाई से जब नज़रें उठी,
तो सीधे उनके नैनों से मिली।
नैनों की पाकीज़गी में हम खोये ऐसे,
की और किसी में खोना हमें मंज़ूर नहीं था॥

इतने में कानो ने सुनी उनकी हँसी,
हँसी सुनते ही वक़्त जैसे थम सा गया।
थमे हुए वक़्त ने किया हम पे ऐसा सितम,
कि उनके लिए हर सितम सहना जायज़ था॥

भोली सी थी उनकी सूरत ऐसी,
सूरत के पीछे एक शरारती सीरत थी छिपी।
उनकी सीरत ने किया हमपे ऐसा नशीला असर,
नशे में थे हम और हमपर उनका फ़ितूर चढ़ता गया॥

दीवाना सा उनके कदमों के तले धूल को भी हम चूमते,
धूल को जब हवा उड़ाती तो उसे भी दिल के समीप रखते।
दिल में उन्हें बसाने का ख़्वाब हम रोज़ बुनते,
और रोज़ ये ख़्वाब हमसे कहते 'इश्क़ हमे हो ही गया'॥

– Atharva Keny B.tech 2022

PHOTOS

"Embracing the Beauty of the Setting Sun"

Govind B.tech 2021

Ishita Chail B.tech 2022

There is no particular place to find peace, you just need to blur the disturbance around you

Swasti Jain
B.tech 2021

Shreya Singhal B.tech 2021

"A Garden of Color: Where Nature Paints with the Vibrant Hues of the Rainbow"

Govind B.tech 2021

"Aqua ballet"-the water is moving in a joyful and unrestricted manner, as if it is liberated from its source, the water droplets are moving in a choreographed and performance-like way, appearing to dance and twirl."

Govind B.tech 2021

Pawan Kumar
B.tech 2021

Vaidehi Chougule B.tech 2021

Karthikeya B.tech 2021

Bobby B.tech 2021

Don't love and cry just click and fly

Bobby B.tech 2021

POEMS

School Life Ki Kahani,PCM ki Zubaani...

Fulminating Silver सा Maths Sir का
गुस्सा जो फूट जाता था...
High Tensile strength वाला मोटा
डंडा भी हमारे ऊपर टूट जाता था..

Mod से ज्यादा Positivity
English Mam की बातों में...
Sucrose से ज्यादा मधुरता
म्यूजिक mam के जज्बातों में...

Ultrasound से ज्यादा
Frequency की PT sir की सीटी....
HCP Lattice से ज्यादा
packed Principal Sir की Duty...

Electromagnetic Field सा attraction
Washroom की तरफ रखते हैं ये...
और Bunking के लिए दोस्तों को भी
punishment चुप चाप सहते हैं ये...

Birthday के दिन impulsive Force
के साथ शरीर पे जूते बजाना...
भाई मुझे 10 C की स्नेहा बहुत पसंद ह
please किसी को मत बताना...

Clean Benches, Decorated Softboards
हमारी heartbeat को 100 के पार ले जाते थे...
दोस्त को पड़ती मार देख हमारे हाथ
टीचर के पांव तक खुद ही चले जाते थे...

Differential equations से लंबे उसके बाल...
Lithium से ज्यादा crimson Red उसके गाल...
For Loop की तरह उसके पीछे
Lunch Break में मंडराना...

और integration में C जितनी भाव मिलने क
बाद भी उसके Assignments बनाना...
Chlorine जैसी इलेक्ट्रॉन Affinity से
हम छुट्टियों का इंतजार करते थे...

जिस बंदे से पंगा हुआ उसकी खातिरदारी
के लिए group तैयार करते थे....
Exam Halls में microchits के लिए मानो
हम एक नया dimension बना लेते थे...

क्या फर्क था , पकड़े जाते तो
Principal Office ke 2-4 चक्कर लगा लेते थे
Bio Lab में कंकालों की हड्डियां
गिनना हमें खूब भाता था...

Chem Lab में हुआ धमाका
Lab Assistant के होश उड़ाता था।
Farewell के दिन गले मिलना,
अपने clasmates को आखिरी बार देखना ,

शायद उनकी आवाज भी
आखिरी बार सुनना , मानो सब एक खेल था..
उस दिन हमारे आंसुओं के
आगे Tear Gas भी fail था।

Rohan Kumar B.tech 2022

Shreya Singhal B.tech 2021

Vaidehi chougule Btech 2021

Varun Singh Btech 2021

Divyanshu Lakra Btech 2021

Divyanshu Lakra Btech 2021

DIV. ARTS

Divyanshu Lakra Btech 2021

Shreya Marda Btech 2021

I was created to Create

Sachin Kumar
M.tech

Shreya Singhal
B.tech 2021

Art speaks where words can't

STUDENT CORNER...

CROSS QUESTIONING
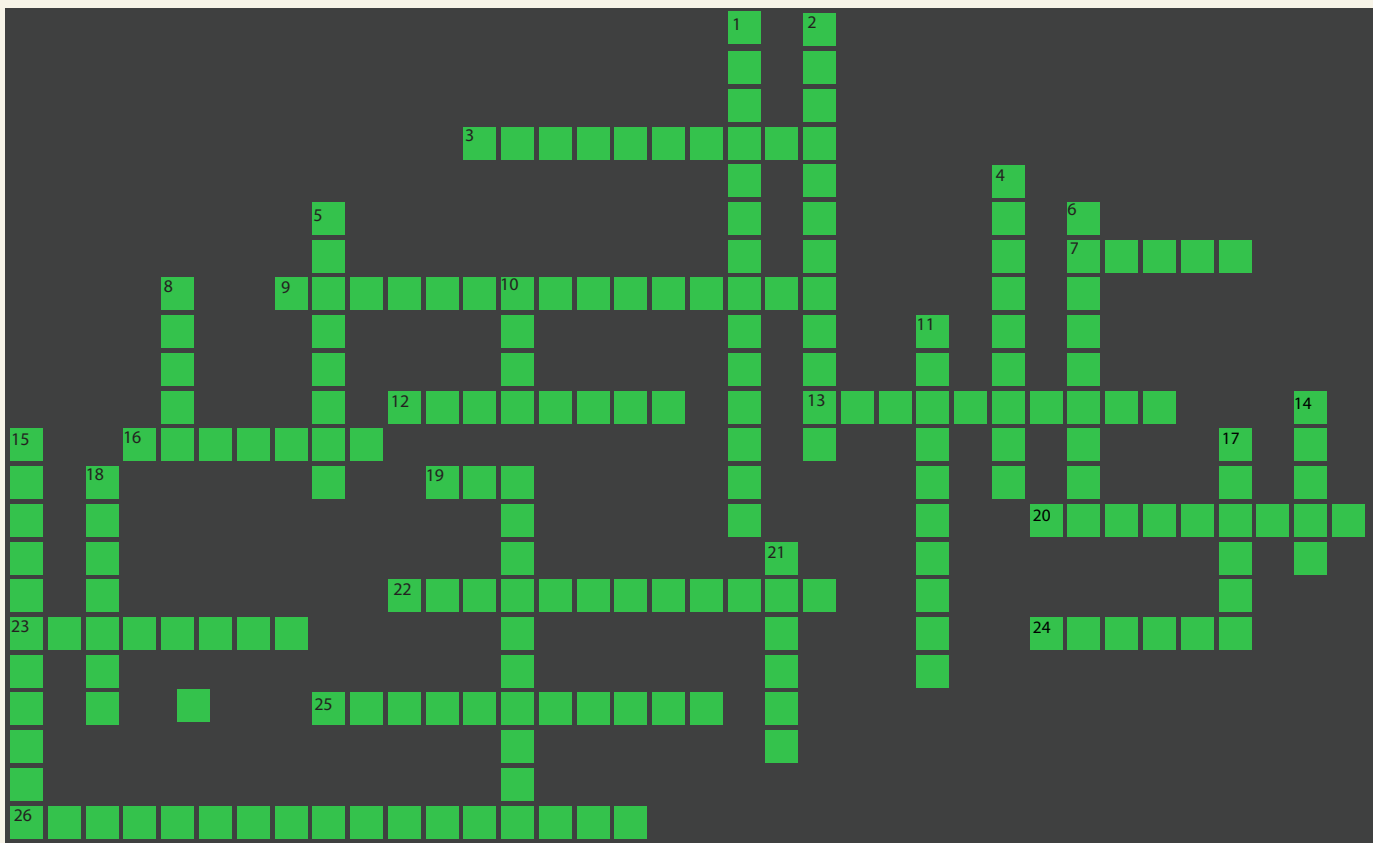
DOWN

1. most of our academic life at IIT Goa will be spent at?

2. What is the Chai-Sutta Point of IIT Goa students?

4. On which web series was Cepheus'22 based?

5. The only place in Girls Hostel where boys are allowed

6. . Our new Physics Lab is set up in? I'm not formed from bricks.

8. IIT Goa's Big Bazaar located at?

10. A location of the Battle of Feet and Auditorium of IIT Goa

11. The Least expensive item in Anna Canteen

14. Besides the company, the community at IIT Goa also seriously studies the company reports and growth.

15. I'm lonely. Only a few people play on me.

17. This is the goodwill speakers cultivate between audiences and a condition of receptivity. This word is the name of a club at IIT Goa.

18. The Cepheus Ciphers left the game to find the lost crew in this mission.

21. The Mess thing is specifically not allowed in hostel premises

ACROSS

3. I'm the most ignored course, so I have accumulated many students with a backlog. I've 12 credits.

7. The name of the constellation which signifies club at IIT Goa

9. The dustiest place in the hostel

12. A location where a sport is played, which can also be played in a hostel.

13. What is the name of Babajaan's Bus?

16. The only place in the hostel where no student is allowed to go.

19. Mess is for all but not for me

20. The club of IIT Goa which captures the moments

22. Anna, from Canteen, bought a new board and stuck my poster on it. I'm the brand.

23. A person who owns a relaxation and meet-up point for every faculty member.

24. We are the community that feeds stray dogs egg yolks

25. The Nukkad Natak Practice Point is

26. Theme of Cultrang'23

MYSTERY STORY

The cacophony of sounds, loud conversations over the jazz music playing, and a random drunk employee breaking into an awkward dance: the office party had it all. The guys in black blazers and the girls in red. The revelry on the terrace had just begun as the clock was about to strike midnight on 31st December. And then, all of this came to a sudden halt triggered by yelps from Kriti, and the very next moment, she lay on the ground in a pool of blood. In the moments preceding her death, five people surrounded her. The CCTV footage, though unclear, ascertained that this was not a suicide. All this boiled down to finding the killer – the one among the five suspects. Prachi, as the convict, was out of the question – the hand pushing Kriti off the grill was that of a man wearing a blazer though the face was not visible. Thus Samar, Raghav, Amritesh, and Rajeev were under the scanner. Raghav was in a relationship with Kriti, and the couple was about to tie the knot. As for Rajeev, Kriti was his unrequited love. On nvestigation, Rajeev mentioned being too drunk to be sane and notice anything that night. However, the thought of accidentally pushing her off the grill in his inebriated state did trouble him. In his testimony, Samar, Kriti's best friend, pointed to Raghav's short temper quite a few times and how Raghav frequently argued with her. All Prachi remembered was that Kriti was dancing with her in her last moments. Prachi had then walked away coughing due to smoke triggering her asthma. Amritesh was this competitive counterpart of Kriti in another team. Recently Kriti was promoted in his place. He would not resort to killing her for that....or would he? Raghav was in a state of debilitating bereavement and suffered several panicattacks during the investigation. However, as he slipped his cigarette case into his pocket, he did mention Amritesh and his numerous malicious attempts in the past to demean Kriti. After several days of investigation, police arrested the guilty.

Pawan Kumar

MULAYAM

Who did the police arrest?

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Campulse

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