NovaByte
Computer Science Department Newsletter

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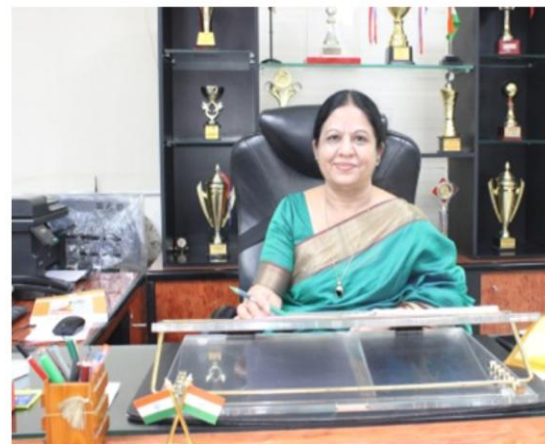
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Principal Message
## Prof. Naina Hasija
Offg. Principal

Message from the Principal

As Clay Bedford quotes "You can teach a student a lesson for a day; but if you can teach him to learn by creating curiosity, he will continue the learning process as long as he lives."

In light of the corona virus crisis, the technology played an important role and the medium of learning has been converted to distance learning. Though the new era of digital transformation emerged in the teaching techniques, there exists a gap in the higher education as it is difficult to find the distraction-free learning space at home. The gap has been removed when the university has been opened for the students with the precautionary measures of COVID-19 pandemic inside the college campus. The 'New Normal' arise due to smooth transition from the remote learning to the traditional learning and was well accepted by the student and teacher community of Kalindi College. Discipline and routine of returning to campus has given a boost to physical and emotional health, fun, creativity, social connection and stress relief. This spirit is well captured and reflected in this latest edition of Computer Science Department's E-Newsletter.

I congratulate Computer Science students and staff for the release of another edition of newsletter which reflects the spirit of new normal in college campus. Computer Science students excel not only in academics but also in various departmental activities and competitions. The vigor and participation of students across different activities shows how well they have accepted and adjusted to this transition to new normal and working enthusiastically for scaling new heights. I am sure that the Computer Science students and staff will keep this spirit and enthusiasm for future endeavors too.

EDITORIAL BOARD
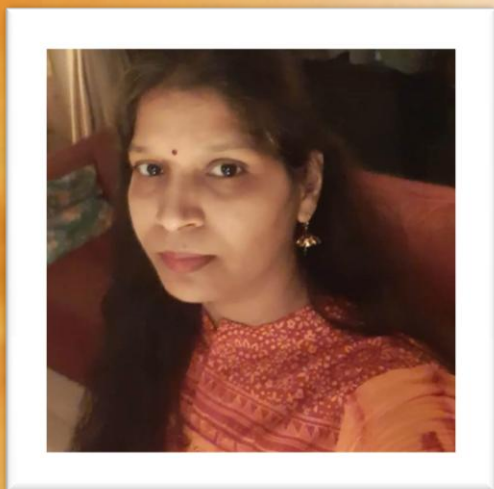
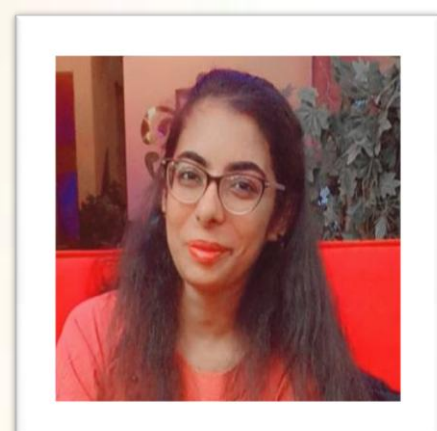Dr. Vandana Gupta
Chief Editor

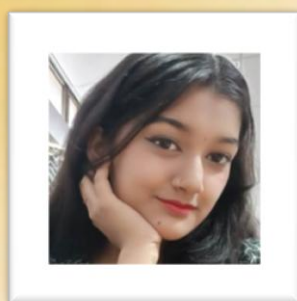Dr. Nidhi Arora
TIC

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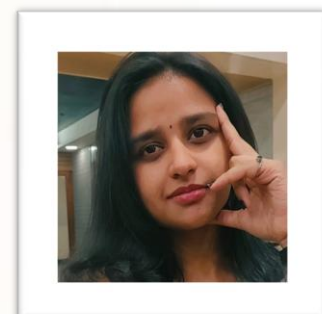

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STUDENT CORNER

Technological leaps in 75 years of independent India
Ananya Gaur
BSC Hons Computer Science (1st Semester)

India ascertained its freedom on the dawn on 15th August, 1947, and Pandit Jawaharlal Nehru became the first Prime Minister of independent India. In the 200 year long reign of British Raj, India had seen slowly, but advancements in the technological field. They had established Railway workshops in certain areas of Bengal and Rasputin, but Indian engineers and mechanics started designing and building their own locomotives towards the end of 19th century.

It was the vision of our first prime minister, which led to the establishments of Indian Institute of Technology in 1950. With collaboration and assistance from overseas institutions, these institutions aimed to inculcate and evolve a sense of scientific temper. Nehru anticipated these institutions as cornerstones in building the scientific and technological fabric of the country. Nehru is also the architect of the Department of scientific research and natural resources which serves the purpose of development and utilization of contemporary technology.

India has also witnessed the contributions of eminent scientists like Dr. Vikram Sarabhai, who laid the foundations of Indian Space Research Organization (ISRO). ISRO had launched an unmanned lunar probe, Chandrayan and a Mars Orbiter Mission, Mangalyaan in 2014. Apart from this, ISRO has made remarkable accomplishments with its low budget and significantly blossomed a scientific temperament in the country. Even after Independence, India was at a constant menacing from its neighboring countries, Pakistan and China. India has also witnessed Indo-Pak, Indo-China and Kargil Wars, which sooner or later led to the development of defence technology of the country. The Defence Research Development Organization (DRDO) has made considerable endowments in the modernization of the military infrastructure of the country over time.

The preeminent section which has seen stupendous growth is technological development in renewable energy. India has created a liberal and eco-friendly environment which has brought in huge foreign capital investments.

India has employed its abundant wind and biomass energy expeditiously which has significant input in India's power generation. India lies in the tropical belt and receives peak solar radiation for nearly 300 days. India has faced problems in fulfilling its energy demands but with recent technology solar energy has provided energy security. The solar photovoltaic cells which are used to convert solar radiation into electricity, is an environment friendly device.

It has been less than 100 years since India has gained its independence. But in this short span of time, India has made rapid and significant growth in the field of science and technology. With the contributions by eminent Scientists and researchers like Dr. APJ Abdul Kalam, CV Raman, Ramanujan, HJ Bhabha, to name a few, India has become third most attractive investments terminal. The country is aggressively working towards becoming a top leader in the field of industrialization and scientific technology. With the requisite funding from government and active participation from citizens, India can reach heights of scientific and technological developments.

Technological leap after independence

Deesha Khanna

BSC Hons Computer Science (1st Semester)

"Let's go invent tomorrow instead of worrying about what happened yesterday." – Steve Jobs.

India, developing country of Dr APJ Abdul Kalam, CV Raman and Imran Ali, gained independence from despotic rule of British in 1947. British left India as a poor, dependent, underdeveloped, socially, and economically backward nation. But India has climbed the stairs of science & technology to rise and make its presence blossom worldwide. In a short span of 75 years, we have achieved exemplary feats that can be considered second to none. Just to name a few: We established the record of sending the maximum number of satellites in one launch. We have landed on Mars in our maiden attempt. We initiated Green white and blue Revolution and became Atma Nirbhar in food. We have achieved a position much closer to self-reliance in several sectors of the economy and infrastructure. We are a leading nation for exports in many fields. It is really a good and proud time to celebrate and showcase the important milestones of the post-independence era.

As per Nehru, "Science was not merely an individual's search for truth; it was something infinitely more than that if it worked for the community". He also aimed "to convert India's economy into that of a modern state, and to fit her into the nuclear age and do it quickly". The Department of scientific research and natural resources was also set up by him. The Council of Scientific and Industrial Research (CSIR) also expanded during this time due to the initiation of Shanti Swarup Bhatnagar, who is popularly known as the father of Indian research laboratories.

Development in defence technology:

For India, Vulnerable India-China and the India-Pakistan border were the real concern. More advanced defence technology is needed to secure borders. Thus, the Defence Research and Development Organisation (DRDO) was set up in 1958. After its formation, it has developed several large programs and essential technology, including aircraft, small and large arms, artillery systems, electronic warfare (EW) systems, tanks, and armored vehicles, sonar systems, command and control systems, and missile systems.

Development in space technology:

For more advanced scientific research, with the help of Dr. Vikram Sarabhai, the Indian space research organization (ISRO) was set up in 1969. Aryabhatta, the first Indian satellite, was launched by the Soviet Union in 1975. In recent times, ISRO has conducted two successful space projects, Chandrayaan, and Mangalyaan in 2008 and 2014 respectively. At present, our main priorities are Chandrayaan-3 and Gaganyaan mission".

This is the history of scientific research programs in India, but after digging into the past, let's come to the present. Due to the initiation and vision of some great scientists and leaders, renowned institutes have been established in India, but today, students passing from these institutes are migrating to foreign countries and many Indian researchers are working with non-Indian research centers. If this process continues, this could prove to be a huge setback for the scientific development program in India. We are not far behind in terms of ability. If we take visionary steps, we can surely get positive outcomes.

<div align="center">

Reopening: Before and after Covid

Parul Sharma

BSC Hons Computer Science (4th Semester)

</div>

"When the whole world is entrenched in the bunker of physical and often emotional isolation, only flexibility and ingenuity can revive us to remain grounded and imbibe the bolstering sunlight piercing through the canvas of chaos."

The Covid time pandemic has caused extraordinary challenges in the global education sector. There was no time for coordinating the different courses with regards to the types of online teaching activities, exams and assessments. Although, some of students were satisfied with hoc online teaching after the lockdown, although they experienced self-perceived reduced learning outcomes. As face to face interaction (i.e., in offline classes) provides the foundation for social communication, the lack of which can be viewed as a critical disadvantage of online classes. Students has faced so many issues whether they were related to academics or related to mental health. There was a complete change.

It became like a scary world. A thing or change that was very difficult to abide with.

Online classes even reduced the interest in studies; everything became so exhausting and full of boredom.

It took many months or year to get back to the

Normal days of life. Again, reopening lead to many difficulties as it was so long having online classes. But we get back to the needed system hopefully.

The mask!

Jatika Ahuja

BSC Hons Computer Science (6th Semester)

Hey you're going out; don't forget to wear a mask!

A statement that has become a really significant part of our everyday life now for almost two years plays many roles. Initially, it was just meant to protect ourselves and others from getting infected from a deadly disease. But soon it became a means for hiding our insecurities. That mask didn't just fit our nose; it had to accommodate our insecurities too. From N95 to masks that matched with our clothes, they come in a wide range of varieties! Each one to hide a new insecurity.

We weren't just losing time and the endless memories we could have made had the pandemic not happened, most of us were losing ourselves with every passing minute. Being in our 20s, it isn't easy to accept ourselves for who we are but a mask helped us in masking all those fears beneath it!

For the people who wear spectacles, mask just acted as a blessing in disguise many a times! It seemed to have solved a lot of problems for us. We could slip away so easily from the people who we didn't want to meet and greet having the easiest excuse of not being able to recognize them either because they were wearing a mask or our spectacles get really foggy while wearing a mask!

For all the beautiful ladies out there stuck in the cloud of insecurities because of facial hair were so happy at times because they didn't have to groom their face if they didn't want to! How ironic it is that the disease trapped us but a mask freed us!

'Let the eyes do the talking' turned literally alive! We did understand the importance of communicating with our eyes. We could always understand when a person was smiling or was really upset. We finally understood the magic our eyes can do! Before the pandemic the only perception we had of wearing a mask was either in hospitals and labs or the pollution one. Never ever did we think that this whole world would convert into a hospital? Our eyes saw a lot with this mask on our face. The entire face of the Earth which was covered with a deadly disease saw a lot. Mask supported us in many ways indeed. So many of us lost our loved ones in these two years. A mask had this huge responsibility of hiding those tears, those shattered and broken families that

will never be the same. Everything happened behind the mask. Families couldn't even bid their loved ones a goodbye or just see them for one last time or even have the opportunity of performing their last rites. The world fell apart and yet nothing was recognizable. Everything was concealed behind "a mask" even those drops of tears that welled their loved ones' faces were partly hidden! That grief still remains hidden behind a mask not just physically but emotionally too!

Irrespective of wearing a mask, aren't our visions already foggy? How often do we cover our inner beauty with the fog of insecurities? How often does the fog of internal misogyny lead us to passing on a comment that undermines and hurts someone deeply? How often do we put on a mask on our own conscience and be at places we never want to be, with people we don't want to be? How often do we put on a mask on our hearts just because we're afraid to express our feelings no matter how deeply it hurts us?

With the world restoring and adjusting to the new normal, I cannot seem to fathom how hidden our self-esteem is. Hidden behind so many masks of insecurities.

Everything seems so difficult even if it is a simple eye contact.

I think it's time to try removing the mask!

Not the physical one obviously.

But the one that is always hanging on hearts and minds, the one that not only causes trouble in breathing but also living and letting live a happy beautiful life, the one that masks our inner happiness!

I think it is time to accept ourselves for who we are and not cry over things that we can't change. I know it is easier said than done. But efforts can make a difference!

WE ARE WARRIORS!

Deesha Khanna

BSC Hons Computer Science (1ˢᵗ Semester)

Oh corona, what have you done to us?

We weren't like this before you showed up!

We humans were more confident, attentive.

Running endlessly without goals, uprise.

At least, we were efficient and productive,

Sleep was seductive.

Lockdown has made us lazy brat,

Procrastination became our aftermath.

We ate, we fed,

Our tummies did exact.

Spent quality time with loved ones,

Learnt things we could never learn.

Since this world exists from shades of grey,

Living good life? Oh life betrays!

Some got infected,

Fought for their lives.

Many lost their loved ones,

And the vacant place can never be filled.

There was a time when resources went down,

We somehow witnessed humanity's crown.

Arranging beds, oxymeters and injections,

People showed we are no different.

By God's grace, you have gone now,

But I know you can always come back.

Oh we will be ready to defeat you once again,

With sanitizers, vaccinations and long distance.

Yes, you have made us lazy.

We have seen far more things then hell,

What's are newish old life?

Hoping to see you never again,

Or if you come,

We will again, thrive!

Did You Know?
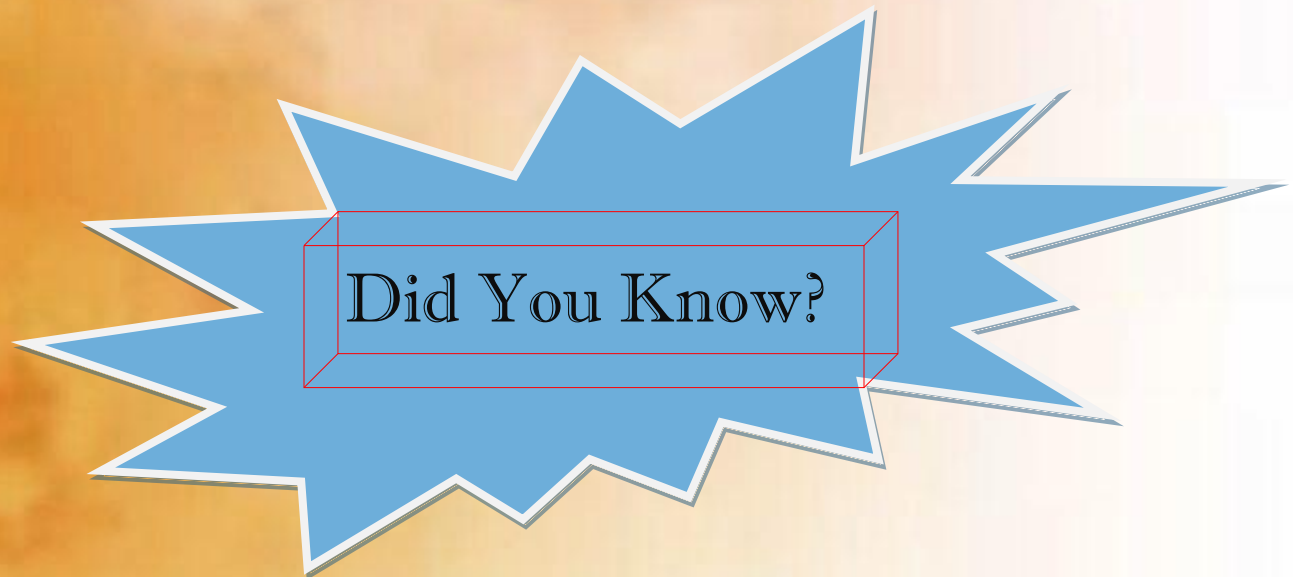
1. The first electronic computer ENIAC weighed more than 27 tons and took up 1800 square feet.
2. TYPEWRITER is the longest word that you can write using the letters only on one row of the keyboard of your computer.
3. Doug Engelbart invented the first computer mouse in around 1964 which was made of wood.
4. There are more than 5000 new computer viruses released every month.
5. If there was a computer as powerful as the human brain, it would be able to do 38 thousand trillion operations per second and hold more than 3580 terabytes of memory.
6. The password for the computer controls of nuclear tipped missiles of the U.S was 00000000 for eight years.
7. HP, Microsoft and Apple have one very interesting thing in common – they were all started in a garage.
8. The first 1GB hard disk drive was announced in 1980 which weighed about 550 pounds, and had a price tag of $40, 000.
9. The original name of windows was Interface Manager.
10. The first microprocessor created by Intel was the 4004. It was designed for a calculator, and in that time nobody imagined where it would lead.
11. The Firefox logo isn't a fox. *It's actually a red panda.*
12. More people have mobile phones than toilets.
13. Over 90% if the world's currency is digital.
14. Every iPhone advertisement has the time set to 9:41.
15. The QWERTY keyboard was designed to slow you down.
16. 350,000 tweets are sent per minute.
17. The name Google was created accidentally. The name Google was created accidentally, it was originally supposed to be named 'Googol'.
18. 1 out of 12 million spam emails receive a reply.

19. A woman once accidentally cut off two countries from the internet.

20. Mark Zuckerberg is red-green colourblind.

21. Facebook will pay $500 if you find a bug in their code.

22. Roughly 10% of the world's money is physical. The rest exists digitally.

23. Every month, over 5,000 new computer viruses are released.

24. HP, Microsoft, and Apple all began in a garage.

25. Intel's first microprocessor was intended for a calculator. Look where it's led!

26. The first harddrive was made in 1979. It held 5 MB of data.

27. The internet was created by Sir Tim Burner Lee in 1989.

28. More than 17 billion devices worldwide are connected to the internet.

29. The first computer looked like an oversized calculator.

30. The first Apple computer was made from free items collected from Apple staff.

31. You can spell the word typewriter using the top line of letters on a computer's keyboard.

32. When you work on a computer your hands travel 20 kilometres a day!

33. TYPEWRITER is the longest word that you can write using the letters only on one row of the keyboard of your computer.

34. Doug Engelbart invented the first computer mouse in around 1964 which was made of wood.

35. There are more than 5000 new computer viruses released every month.

36. The original name of windows was Interface Manager.

37. The first microprocessor created by Intel was the 4004. It was designed for a calculator, and in that time nobody imagined where it would lead.

38. Artificial intelligence may one day allow computers to understand what dogs are thinking.

39. The first webcam was used to monitor a coffee maker, allowing users to save returns to an empty pot.

40. The father of computer science is Alan Turning.

41. To communicate and run a program, the first computers could only comprehend 0s and 1s.

42. Microsoft's founder, the infamous Bill Gates, was actually a college dropout.

43. The original Google Storage was made up of ten 4 GB hard drives that were cased in Legos and totaled 40GB.

44. The term "bug" became ubiquitous in computer technology after a moth triggered the Mark II computer to malfunction.

45. Since 2005, no human has defeated a high-powered computer in a tournament standard chess match.

DEPARTMENTAL ACTIVITES

❖ FROM GOAL-SETTING TO GOAL-GETTING (28TH AUGUST 2021)

❖ TECH-HERITAGE (19THSEPTEMBER, 2021)

❖ DEVHUT (31ST OCTOBER 2021)

❖ DEVHUT WEBINAR (31ST OCTOBER, 2021)

❖ DEVHUT TECH-A-THON (31ST OCTOBER, 2021)

❖ DEVHUT SKRIBBL (31ST OCTOBER, 2021)

❖ RENDEZVOUS: A CS MEET & GREET (15TH JANUARY, 2022)

❖ CODERATRI (24TH& 25TH JANUARY, 2022)

❖ DEVHUT 2.0 (13TH APRIL, 2022)

❖ DEVHUT WEBINAR (13TH APRIL, 2022)

❖ DEVHUT 2.0 CODE CAMP (13TH APRIL, 2022)

❖ DEVHUT 2.0 RESEARCH BATTLE (13TH APRIL, 2022)

❖ FAREWELL 2022 (9TH MAY, 2022)

FROM GOAL-SETTING TO GOAL-GETTING (28ᵀᴴ AUGUST 2021)

On **28ᵗʰ August,** the Sattva Society of Computer Science Department organised a Webinar on From Goal-Setting to Goal-Getting at 3 pm. The webinar was conducted on Google meet online platform. The welcome address was given by Ms. Arokia Ramya. The resource person of the Webinar was Ms. Natasha Singh. She is a Life coach cum Passion and Clarity coach who helps students and early level career enthusiasts to delve into their truckling and potential on the basis of their true personality, their foundation, and their mindset. She works with the students to build strategiestoattainandaccomplishtheirgoalsuntilitgetsintothe"DoneList"fromtheir"To-DoList".Shealsoco-hostsapodcast"2CentsIn10"which is dedicated to figuring out everything in life by figuring out oneself. And she also hosts her own web-chat show "Step Up with Natasha" on her official FB page to bring people with compelling stories to share with the world.

She spoke on various topics such as importance of setting goals in our lives, identifying the PMF behind the goal, the power of mindset, rating each and every area of our life. The session was quite interactive and communicative. The participants including teachers share their own point of views, experiences which were the learning lessons for others.. There were 36 students from the course B.Sc(Hons.) Computer Science, 17 students from B.A. (Programme), 6 students from B.Sc (prog.)Physical Science and 1 student from B.Sc (Hons.) Botany.

The coordinator of the session, Dr. Nidhi Arora thanked Ms. Natasha Singh for her efforts and the precious time. The speaker was overwhelmed by the responses received from the participants. Around 60 students attended the webinar and were benefitted greatly. The webinar was attended by faculty members of the department of Computer Science of Kalindi College.
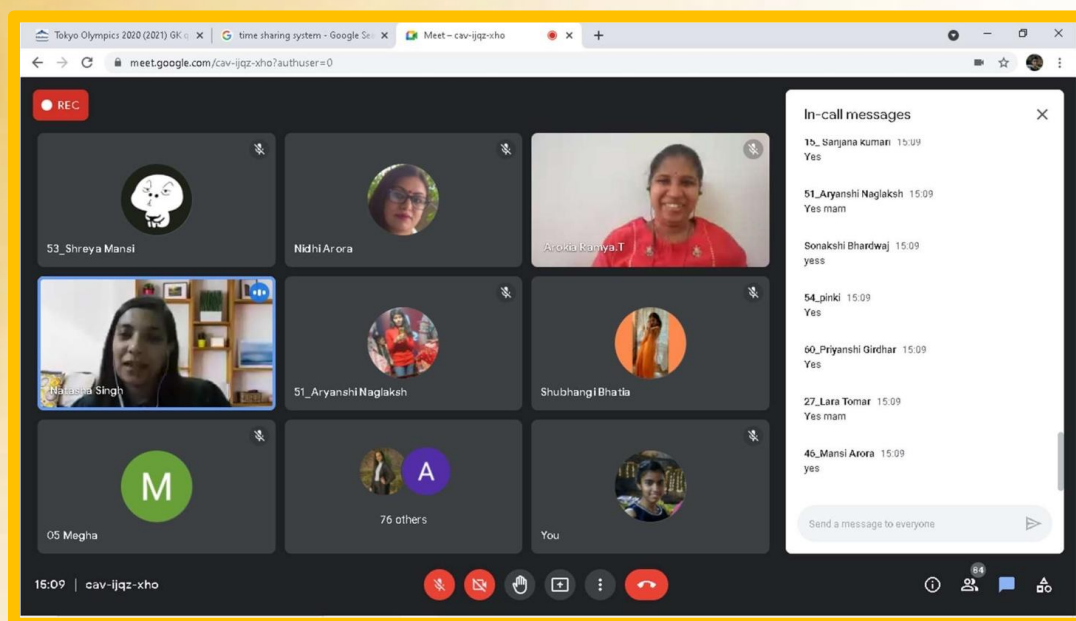
TECH-HERITAGE (19ᵀᴴ SEPTEMBER, 2021)

To celebrate 75 years of progressive India and glorious history of its people, culture and achievements, Government of India took an initiative "Azadi Ka Amrit Mahotsav" under which an Inter-College event, Tech-Heritage was organized by Department of Computer Science, Kalindi College on virtual platform "Google Meet" on 19ᵗʰSetpember, 2021 in which students from various colleges took part. It was a Poster Making Competition. In this participants were supposed to make a digital or hand-drawn poster on any of the two topics:

1. **Technology for Atmanirbhar Bharat.**
2. **Technology in Defence.**

The competition started with stimulating words of Dr. Reena Jain followed by encouraging words of our teacher-in-charge Dr. Nidhi Arora and Ms. Arokia Ramya. Participants were made aware of the Rules and Regulations of the event. A Google classroom was made for the submission of the posters prepared by the participants. Participants were supposed to submit their posters by 05:00 AM, Monday, 20ᵗʰ September, 2021.

The objective of the competition was to address the feeling of patriotism among the students and it had serve up to the best. Around 28 students from various colleges had participated in the event with full zeal and love towards the mother land. There were different participants from different colleges namely Deen Dayal Upadhyaya College, Maitreyi College, , Maharaja Agrasen College, Christ Deemed to be University-Delhi NCR, Sri Guru Gobind Singh College of Commerce, Swami Shraddhanand College, Lady Shri Ram College, College of Vocational Studies, Indraprastha College for women and Janki Devi Memorial College.

There were 3 winners from each category i.e. hand-drawn and digital. On the declaration of the result winners were awarded with winning certificates. All the participants were awarded with participation certificates. The Best posters were posted on official website of Kalindi College along with the name of the students. The judges for the competition were Dr. Nidhi Arora, Dr. Reena Jain and Ms. Arokia Ramya. The judges appreciated the participants for their performance.

It was a great success with overwhelming student's participation.

Judges: Dr. Nidhi Arora, Dr. Reena Jain and Ms. Arokia Ramya

Name and college and class details of winners:

(Hand-drawn category)   First Prize- Nisha Mondal, Roll No. 20/1059, B.A(H) English(2nd year), Maharaja Agrasen College   Second Prize- Ritika Gosain, Roll No. 20322503071, B.COM (2nd year), Janki Devi Memorial College   Third Prize- Shalu, Roll No. 20501092, B.A. (P)(2nd year), Kalindi College
(Digital category)   First Prize- Aditi Garg, Roll No. 20218405, BCA(2nd year), Christ (Deemed to be University)   Second Prize- Shipra Das, Roll No. 20/539, B.SC Mathematical Science(2nd year), Maharaja Agrasen College   Third Prize- Mehak Aggarwal, Roll No. 20501017, B.A(P) Computer + Maths (2nd year), Kalindi College
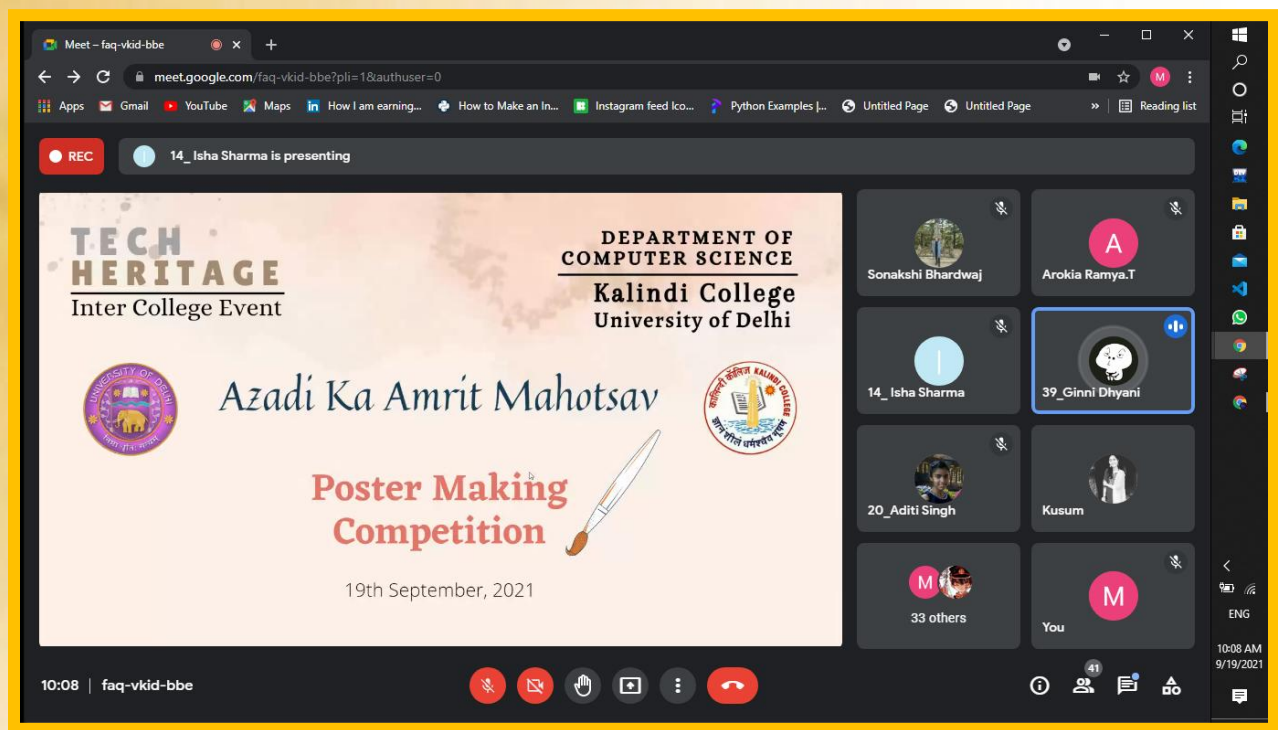
Posters of the winners:

- ### Hand Drawn Category:

- ### Digital Category:

DEVHUT (31ST OCTOBER 2021)

SATTVA– THE COMPUTER SCIENCE SOCIETY INTER COLLEGE FEST 2021

Sattva, the Academic Society of Computer Science Department of Kalindi College organized its Annual Inter-college technical fest on 31st October, 2021. The Society of Computer Science Department, Sattva, of Kalindi College organized its Annual Inter-college technical fest on 31st October, 2021. The fest was organised on a virtual platform "Google Meet". The event started at 10:00 AM in which undergraduate students from various colleges took part.

The event marked the presence of a large number of participants including the teachers and students. Students from different colleges other than Kalindi College namely Ramanujan College, Mata Sundri College for Women, PGDAV College, Janki Devi Memorial College, B.K. Birla College, Maitreyi College, Sri Guru Tegh Bahadur Khalsa College, SOL, Chandigarh University and IPEC Gaziabad, etc. attended the event. The event started by remembering the almighty through "Saraswati Vandana". After this, the Principal of Kalindi College, Prof. Naina Hasija enlightened the students with her inspiring words followed by Dr. Nidhi Arora, the Teacher-in-charge of Computer Science Department and Coordinator of DevHut event, Ms Arokia Ramya, Convenor of the DevHut event and Dr. Reena Jain, Co-Convenor of the DevHutevent to speak few words about the inter college event and motivated students to participate the same.
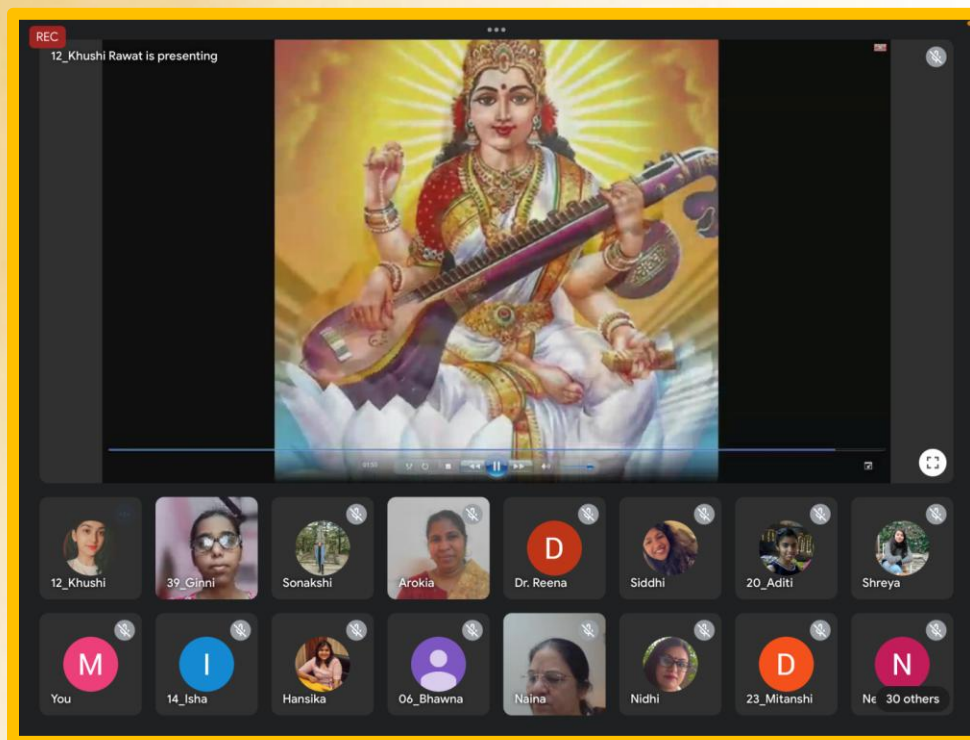
DEVHUT WEBINAR (31ˢᵗ OCTOBER, 2021)

"THE #INCLUDE<WHY&HOW> OF COMPETITIVE PROGRAMMING"

Sattva, the Academic Society of Computer Science Department of Kalindi College organized its Annual Inter-college technical fest on 31ˢᵗ October, 2021. The webinar event started at 10:30 AM in which undergraduate students from various colleges took part.

About 57participants including faculties from different departments and students attended the Webinar. About 4students participated from different colleges other than Kalindi College, namely Mata Sundri College for Women, IGDTUW, Ramanujan College and Chandigarh University.

As a part of the fest, the Sattva Society of Computer Science organised a Webinar on the topic "**the** #include<why&how> of Competitive programming". The webinar was conducted on Google meet. The Speaker of the Webinar was Mr. Yash Kodesia, who is presently a Software Development Engineer at Amazon in the Finance Automation Team. He is a Software Development Engineer in Amazon. He had been a teaching assistant at Interview Bit. He had been a Software Engineer Intern at Verizon Media, Clik.ai and Lookfit. He has done his education from ABV-Indian Institute of Information Technology and Management. He has volunteered several events such as Hackathon, programming contests. He has been an Algorithmic Problem Setter in HackerEarth, CoderHub. He had been an Algorithmic problem curator intern in GeeksforGeeks.

The Speaker interacted with the students on various topics such as Competitive Programming, Data structures and Algorithms and highlighted their importance. He shared his experience of how he came to be and what should be the next step of becoming a coder after graduation. He mentioned that it is very important for a programmer to participate in coding competitions to improve the logical understanding. It was a great experience for the students. The webinar was winded up with a Q&A session with the speaker where the students asked various questions related to CP and DSA and got all of their doubts cleared then and there. The students were motivated to attend similar webinars in the future. There were 35 students from B.Sc (Hons.) Computer Science, 4 students from B.Voc Web Designing, 14 students from B.sc (Prog.) Physical Sciences and other students from B.A.Prog.

The convener of the event "DEVHUT" Ms Arokia Ramya thanked Mr. Yash Kodesia for his efforts and the precious time he gave for this Webinar to which Mr. Yash Kodesia replied that he is delighted to help young students and enjoyed it very much.

DEVHUT TECH-A-THON (31ST OCTOBER, 2021)

An inter-college hackathon competition "TECH-A-THON" was conducted by Sattva, the academic Society of Computer Science Department of Kalindi College on Google Meet platform as a part of the annual inter-college fest 'DEVHUT 2021-22' in which undergraduate students from various colleges took part. The event was coordinated by Ms. Arokia Ramya. The judges of the event were:

- Avinash Koshal (Cloud Support Associate in Amazon Web)

- Mohit Sharma (Founder of Sudan's Tech)

- Rahul Shukla (Success Engineer at draftbit.com)

- Ms. Kanishka Bamania (Assistant Professor in Kalindi College)

- Dr. Sapna Varshney (Assistant Professor in Kalindi College)

1. **FIRST POSITION:**

   Team Name: Code Busters

   Members:

   1. Anushka Purwar, B.Sc(H) Computer Science, 3rd year, Roll No Csc/19/33,   Mata Sundri College for Women
   2. Parth Sharma, B.Tech Electrical and Electronics, 2nd year, Roll No 09514804920, Maharaja Agrasen Institute of Technology

2. **SECOND POSITION:**

   Team Name: Lazy Bots

   Members:

   1. Shivani Badola, B.Voc(Web Designing), 2nd year, Roll No 20105023,Kalindi College
   2. Dolly Saini, B.Voc(Web Designing), 2nd year, Roll No 20105039,Kalindi College
   3. Tanvi Dubey, B.Voc (Web Designing), 2nd year, Roll No 20105035, Kalindi College.

3. **THIRD POSITION**:

   Team Name: Strugglers

   Members:

   1. Neeti Wason, B.Sc (H) Computer Science, 3rd year, Roll No 19570080,Kalindi College
   2. Garvit Bansal, B.Sc (H) Computer Science, 3rd year, Roll No 194061, Sri Guru Gobind Singh College of Commerce.

DEVHUT SKRIBBL (31ST OCTOBER, 2021)

POSTER OF SKRIBBL EVENT

An inter-college competition "SKRIBBL" was conducted by Sattva, the Computer Science Society of Kalindi College on Google Meet platform as a part of the annual inter-college fest 'DEVHUT 2021-22' from 12:30 PM to 2:00 PM on 31stOctober 2021 in which undergraduate students from various college took part. The event was coordinated by Ms.Neha Singh.

Skribbl is a free multiplayer drawing and guessing game. The game consists of a 2 rounds in which every round participants has to draw their chosen word and others have to guess it to gain points. The person with the most points at the end of game was crowned as the winner.

PRIZE	NAME	COURSE	COLLEGE
1	Hansika Saxena	B.Sc(H) Computer Science(3rdyear)	Kalindi College
2	Samyak Sand	B.Tech Computer Science(2nd year)	National Institute of Technology Karnataka(NITK) Surathkal
3	Prachi Tiwari	B.Sc(H) Computer Science(2nd year)	PGDAV College

The winners were awarded with digital certificates and prize money of Rs. 1000 for first position, Rs. 800 for second position and Rs. 600 for third position respectively.
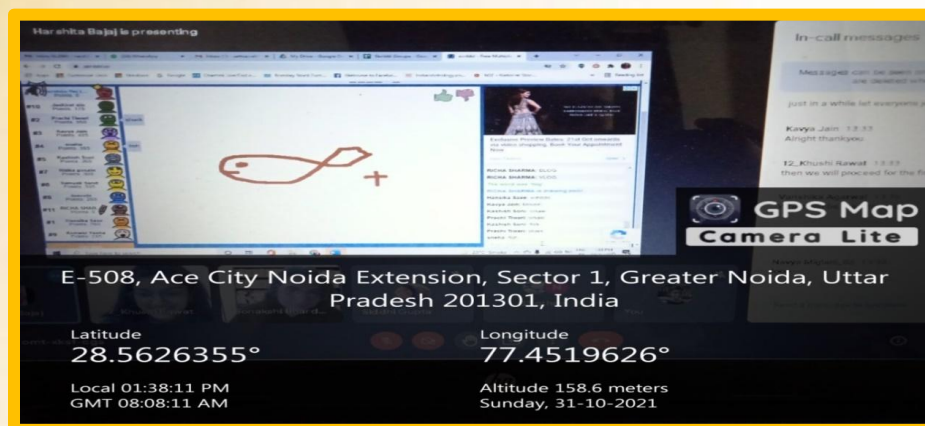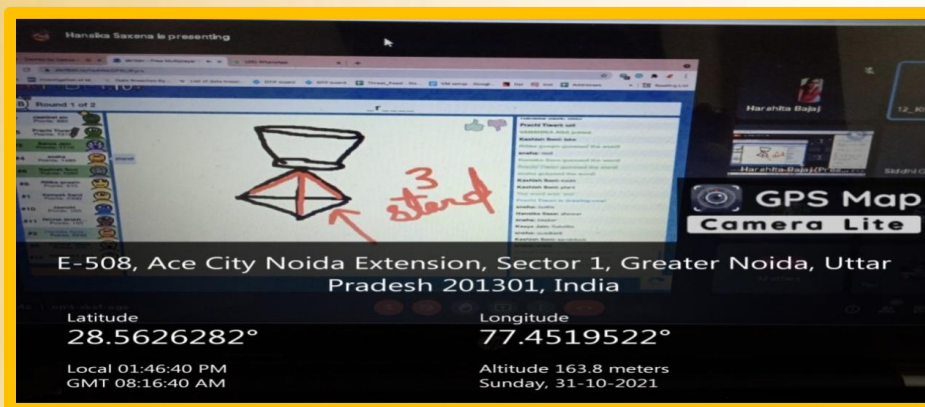
RENDEZVOUS: A CS MEET & GREET (15TH JANUARY, 2022)

Alumni Meets are an event for old memories to be cherished, celebrated, refreshed and new ones to be formed.
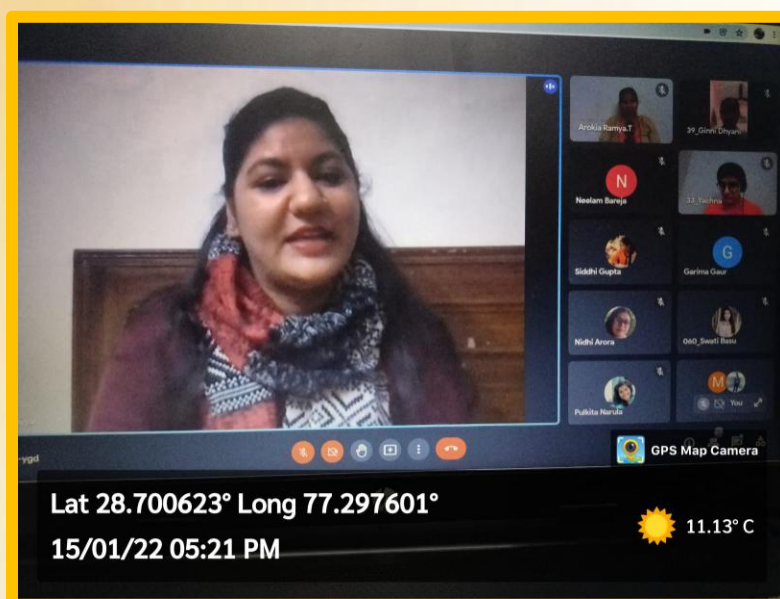
On 15th January 2022, Sattva, the Society of Computer Science Department of Kalindi College organized an alumni meet RENDEZVOUS at 5 p.m. It was conducted on Google meet online platform. Our super seniors Ms. Shagoon Nayyar (Senior Network Consultant at Cisco Natworking & IT Company), Ms. Pulkita Narula (Senior Consultant, Accounts & Project, Ernst & Young), Ms. Jyoti Kumari (Assistant Professor at Keshav Mahavidyalaya , DU), Ms. Umang Aggarwal (MCA at MNNIT), Ms. Swati Basu (MCA at IGDTUW), Ms. Ritika Tyagi (MCA at IGDTUW), Ms.Shreya Thapliyal (MCA at IGDTUW), Ms. Yuthika Pant (MSc at DU), Ms. Naina (cracked entrance exams such as UPSE, CDS, AFCAT, SSB)made the session acknowlegable. The welcome speech was given by Ms. Neelam Bareja (Co-convenor, Alumni Committee) and Dr. Nidhi Arora (Teacher-in-Charge, Computer Science Department). The program continued with the introduction of well established alumnis in corporate sector Ms. Shagoon Nayyar and Ms. Pulkita Narulsa followed by a well established alumni in education sector Ms. Jyoti Kumari. Each of the three alumnis shared their experience with the students. A vote of thanks was given to Ms. Shagoon Nayyar, Ms. Pulkita Narula and Ms. Jyoti Kumari by Dr. Reena Jain (Co-convenor of the event). The event was continued with the introduction of alumnis currently pursuing MCA. Ms. Umang Aggarwal, Ms. Swati Basu, Ms. Ritika Tyagi and Ms. Shreya Thapliyal were welcomed by Dr. Nidhi Arora. Each of the alumnis shared their experiences with the students and given a thank you note by Sonakshi Bhardwaj (President, Sattva Society). Following this, Ms. Yuthika Pant, an alumni currently pursuing MSc from DU was welcomed and shared her experience as well as some study materials with the students. Last but not the least was Ms. Naina who cracked entrance exams like UPSE, CDS, AFCAT, SSB. She shared her experience and a roadmap with the students. At the end, a vote of thanks was given by Ms. Arokia Ramya, Convenor of the event.

The alumni meet was organised for freshers as well as non-fresher so that they could interact with their seniors for the best advice which is very difficult in this virtual mode of education. Students came up with their doubts like how they should manage time, skills they should develop other than academics, how they should become better in coding, strategy for preparation of competitive examinations, best option between MSC and MCA , and many more. Their doubts were very clearly addressed by the alumnis. They advised students to focus on their goal and studies at present rather than looking for a job so early. They explained the need to be very clear of the aim that one has in his/her life. They also advice to keep doing online courses in their field of interest. They also addressed minor and important topics such as time management in online mode of education, future opportunities after graduation and many more questions raised by the students.

Alumnis showed their solidarity in helping the students and tried to give them most of the suggestions possible within the limited time. It was very interactive session with many sweet memories of kalindians, nostalgic experiences and a fruitful meet for all the students. There were students from different courses. The session concluded by the wishes and the blessings for alumnis for their future.

All our alumnis were overwhelmed by the intellectual interaction of participants. Around 60 students attended the meet and got a lot of their queries sorted out.

NAME OF ALUMINI	QUALIFIFICATION	YEAR OF PASSING
Ms. Shagoon Nayyar	Senior Network Consultant at Cisco Natworking & IT Company	2014
Ms. Pulkita Narula	Senior Consultant, Accounts & Project, Ernst & Young	2015
Ms. Jyoti Kumari	Assisstant Professor at Keshav Mahavidyalaya , DU	2013
Ms. Umang Aggarwal	MCA at MNNIT	2020
Ms. Swati Basu	MCA at IGDTUW	2020
Ms. Naina	cracked entrance exams such as UPSE, CDS, AFCAT, SSB	2020
Ms. Ritika Tyagi	MCA at IGDTUW	2021
Ms.Shreya Thapliyal	MCA at IGDTUW	2021
Ms. Yuthika Pant	MSc at DU	2021

Ms. Shagoon Nayyar (Senior Network Consultant at Cisco Natworking & IT Company

CODERATRI (24ᵀᴴ & 25ᵀᴴ JANUARY, 2022)

The Society of Computer Science Department, Sattva, of Kalindi College organized a two day competitive programming event from 24th January, 2022 to 25th January, 2022. The event was organised on a virtual platform "Google Meet" and competition was organised on HackerRank. The event started at 4:30 PM in which undergraduate students from various colleges took part. Time limit for the competition was of two hours i.e., 5:00PM-7:00PM.

First day event started by the warm welcome and introduction of the competition by the host of the day Trishita Nagar , student of BSc. Hons Computer Science. After this, convenor of the event, Dr. Reena Jain, enlightened the students with her inspiring words followed by Ms. Arokia Ramya ,Co-convenor of the event. From 4:30 PM to 5:00 PM, the students were made aware of the rules and regulations of the competition along with the competition link. At the end, their doubts were addressed and the competition started at 5:00 PM on HackerRank. Students got 2 hours to solve the paper. After the end of competition i.e., at 7:00 PM, top 20 participants of round 1 were announced by anchor of the post event Yachna, student of BSc. Hons Computer Science. At the end, all the students were thanked for their participation and encouraged for their future ventures..

The second round of CODERATRI was organised on 25th January, 2021 event at 4:30PM with the warm welcome of all the top 20 participants by the host of the event Garima Sharma, student of B.Sc. (Hons.) Computer Science. Guidelines and instructions for the second round of the event was given by the host along with the competition link. The competition started at 5:00 PM for duration of two hours. At 7:00 PM, all the 20 participants again joined the Google meet. Teacher-in-Charge of Computer Science Department, Dr. Nidhi Arora enlightened the students with her words and declared the top 3 winners of CODERATRI. Final day event ended up by the appreciation of all the students for taking out their time and showcasing their skills.

LIST OF WINNERS:

PRIZE	NAME	COURSE	COLLEGE
1	Ankit Kumar Nishad	B.Tech (EEE), 2nd year	IIT BHU, Varanasi
2	Vasu Agrawal	B.Tech. (ECE), 3rd year	BMSCE, Bangalore
3	Yashi Johari	B.A. Prog(CA and Maths), 2nd year	Kalindi College

DEVHUT 2.0 (13ᵀᴴ APRIL, 2022)

DEVHUT INAUGURAL

Sattva, the Academic Society of Computer Science Department of Kalindi College organized its 2nd Inter-college technical fest on 13th April 2022. The fest was organized in physical mode after the Covid pandemic. The event started at 09:30 AM in which undergraduate students from various colleges took part. The inaugural ceremony of the event commenced by remembering the almighty through "Saraswati Vandana" and lamp lighting by the Distinguished Guest Prof. Neelima Gupta (Head of Department of Computer Science, University of Delhi) and a group of dignitaries of Kalindi College- Ms. Sweety (Teacher-In-Charge), Dr. Reena Jain (Convenor), Ms. Arokia Ramya (Co-Convenor), Dr. Nidhi Arora, Dr. Reshu Chaudhary, Ms. Neha.

After this, Dr. Nidhi Arora welcomed the distinguished guest Prof. Neelima Gupta with a planter. The anchors of the event Siddhi Gupta (BSc (H) Computer Science, 3rd year) and Kusum Mishra (BSc (H) Computer Science, 2nd year) invited Prof. Neelima Gupta to speak a few words of motivation. After this, Principal of Kalindi College, Prof. Naina Hasija enlightened the students with her inspiring words followed by Ms. Sweety, the Teacher-in-charge of Computer Science Department and Coordinator of DevHut 2.0 event, Dr. Reena Jain, Convenor of the DevHut 2.0 event and Ms. Arokia Ramya, Co-Convenor of the DevHut 2.0 event to speak few words about the inter-college event and motivated students to participate in the same.

New Delhi, Delhi, India
1, Kalindi College Road, Block 49, East Patel Nagar, Patel Nagar, New Delhi, Delhi 110008, India
Lat 28.64853°
Long 77.178108°
13/04/22 09:58 AM

DEVHUT WEBINAR (13TH APRIL, 2022)

Sattva, the Academic Society of Computer Science Department of Kalindi College organized its 2nd Annual Inter-college technical fest on 13th April, 2022. The webinar event started at 10:00 AM in which undergraduate students from various colleges took part. About 57 participants including faculties from different departments and students attended the Webinar.

As a part of the fest, the Sattva Society of Computer Science organised a Webinar on the topic "Is It Computationally Hard?" The webinar was conducted in offline mode and the venue was Seminar Room, Administrative Block, Kalindi College. The Speaker of the Webinar was Prof. Neelima Gupta, who is presently the head of Computer Science Department of University of Delhi. She did her Bachelor's degree in Maths Honors from Hindu College. She did her M.Sc. in Mathematics, M.Tech in Computer Applications and Doctorate in Computer Science all from IIT Delhi. She has over 25 years experience in UG and PG teaching in University of Delhi. Prior to teaching she had briefly worked with HCL technologies. She has also published several papers in reputed journals and conferences. Hew current areas of interest include approximation algorithms, bioinformatics and routing in adhoc networks. She has been awarded with NBHM Scholarship, GATE Scholarship and many more.

The entire seminar was focused on "NP Hard" problems. The speaker explained what NP hard problems are? She told that NP Hard problems are those that have time in exponential. She explained what class NP is. She tried to explain the topic with a large number of examples and explained their solutions too. She also distinguished between NP Hard and NP Complete problems. The seminar was winded up with a QnA session. The students enthusiastically asked the questions. Prof. Neelima Gupta welcomed all the queries and comments that the student proposed and answered them very enthusiastically. There were a few questions from the teachers too which were answered by the speaker.

At the end of the seminar Prof. Naina Hasija, the principal of Kalindi College thanked Prof. Neelima Gupta for her presence and discussing such a great topic with the students. She also expressed her views and what she thought of the seminar. She told about her experience and how she got to know about Prof. Neelima Gupta and how much she is inspired by her. She asked the students to take inspiration from her. They both complemented each other for their capabilities.

The Co-Convener of the event "DEVHUT 2.0" Ms Arokia Ramya thanked Prof. Neelima Gupta for her efforts and the precious time she gave for this Webinar to which Prof Neelima Gupta replied that she is delighted to help young students and enjoyed it very much.

DEVHUT 2.0 CODE CAMP (13TH APRIL, 2022)

An inter-college coding competition **"CODE CAMP"** was conducted by Sattva, the academic Society of Computer Science Department of Kalindi College, in college campus (offline event) as a part of the annual inter-college fest 'DEVHUT 2.0' in which undergraduate students from various colleges took part. The judges of the event were:

- Dr. Reshu Choudhary (Assistant Professor in Kalindi College)

- Dr. Sapna Varshney (Assistant Professor in Kalindi College)

The event started around 12:30 PM, a presentation was presented before the participants to explain the rules and regulations of the competition. Before beginning of the competition, smart phones from the participants were collected by the invigilators.

There were two rounds of the competition. First was the MCQ round or the elimination round, which started at 12:30 .The duration of first round was 30 minutes. The answer sheets of the students of first round were checked by the teachers of Computer Science Department. There were a total of 25 students who cleared the MCQ round and proceeded to the second round. Second round was the coding round, which started at around 1:15 PM. The duration of second round was two hours. Participants were given real life coding problems and they were given college computers to code them. In this round 5 questions were given to them and were allowed to code in any language (C++, Python or Java). Checking was done by the judges of Code Camp, Dr. Sapna Varshney and Dr. Reshu Chaudhary. Test cases for all were given to the judges and winners were decided.

PRIZE	NAME	COURSE	COLLEGE
1	Bhawna	B.Sc. Hons Computer Science, 2nd year	Kalindi College
2	Jagriti Mittal	B.Sc. Hons Computer Science, 2nd year	Shyama Prasad Mukherjee College
3	Anjali Singhal	B.Sc. Hons Computer Science, 2nd year	Kalindi College

The winners were awarded with certificates of appreciation, Geeks for Geeks vouchers, Coding Ninjas – t-shirt, laptop bag, stickers and prize money of Rs. 1500, Rs. 1200 and Rs. 900 for 1st position, 2nd position and 3rd position respectively. All the participants were given digital certificate for participation and Geeks for Geeks vouchers.

DEVHUT 2.0 RESEARCH BATTLE (13ᵀᴴ APRIL, 2022)

An inter-college competition **"RESEARCH BATTLE"** was conducted by Sattva, the Computer Science Society of Kalindi College in Physical Mode in the Computer Science Department as a part of the annual inter-college fest 'DEVHUT 2.0' from 01:00 PM to 03:00 PM on 13th April 2022.

In this competition, the participants had to prepare a research paper on a Computer Science based topic and present it to the judges. The judges of Research Battle were:

- Ms. Sweety (Associate Professor in Kalindi College)
- Ms. Anshula (Assistant Professor in Kalindi College)
- Dr. Sapna Varshney (Assistant Professor in Kalindi College)

There was 2 team participation and 2 individual. The participants presented their posters on various interesting topics like Big Data, Artificial Intelligence, Predictive Analysis of Crime Rates in India, Learning of Computer Science in different ways. They explained the significance, present scenario, examples and statistical data of their respective topics. Participants were given a duration of 8 minutes to present their paper and then they were cross questioned by the judges.

The result of the competition is as follows:

PRIZE	NAME	COURSE	COLLEGE
1	Mudita Aggarwal & Fariha Haroon	B.Sc. Hons Computer Science, 2nd year	Kalindi College
Consolation prize	Shweta Bahot	B.Sc. Hons Computer Science, 2nd year	Kalindi College

The winners were awarded with certificates of appreciation, Geeks for Geeks vouchers, Coding Ninjas – t-shirt, laptop bag, stickers and prize money of Rs. 1500 and Rs. 500 for 1st position and consolation respectively. All the participants were given digital certificates of participation and Geeks for Geeks vouchers.

FAREWELL 2022 (9TH MAY, 2022)

- FAREWELL INAUGURAL
- Fun Games:
  1. "JAYVEERU"
  2. "BUMDIGGIDIGIBUM".
  3. "SOCIAL BEE"
- MISS FAREWELL consisting of two rounds: Ramp Walk and Talent Hunt.
- Graduation cap and gifting ceremony

RESEARCH CORNER

1. **Application of Machine Learning on COVID-19 Data**

Project Title	Application of Machine Learning on COVID-19Data
Principal Investigators	1. Dr. Vandana Gupta 2. Dr. Sapna Varshney 3. Ms. Neha Singh
Students Involved	1. Neeti Wason (19570080 - B.Sc. (H) CS Semester VI) 2. Preeti (19570070 - B.Sc. (H) CS Semester VI) 3. Sonakshi Bhardwaj (19570072 - B.Sc. (H) CS Semester VI) 4. Isha Sharma (20570014 - B.Sc. (H) CS Semester IV) 5. Anjali Singhal (20570048- B.Sc. (H) CS Semester IV)
Funding Agency	Kalindi College
Tenure of the Project	One Year
Report	In December 2019, the novel corona virus appeared in the Wuhan city of China and was reported to the World Health Organization (W.H.O.) on 31st December 2019. The virus created a global threat and was named as COVID-19 by W.H.O. on 11th February 2020. The first case of COVID-19 in India was reported on 30 January 2020. India currently has the largest number of confirmed cases in Asia and as of July 2021, has the second-highest number of confirmed cases in the world, after the United States, with more than 31.65 million reported cases of COVID- 19 infection and more than 424,384 deaths as of August 01, 2021. W.H.O declared this outbreak as a public health emergency and mentioned the following: the virus is being transmitted via the respiratory tract when a healthy person comes in contact with the infected person. The virus may transmit between persons through other routes which are currently unclear. The infected person shows symptoms within 2–14 days, depending on the incubation period of the middle east respiratory syndrome (MERS), and the severe acute respiratory syndrome (SARS). According to W.H.O., the signs and symptoms of mild to moderate cases are dry cough, fatigue and fever while as in severe cases dyspnea (shortness of breath), fever and tiredness may occur. The persons having other diseases like asthma, diabetes, and heart disease are more vulnerable to the virus and may become severely ill. The person is diagnoses based on symptoms and his travel history. An effective strategy to deal with the pandemic has been testing, tracing and isolated infected people for the containment of the disease. People have been advised to wear mask, practice hygiene and maintain social distancing. As more and more data on the pandemic is being collected across the globe, research is on for the development of vaccines and other effective treatment to combat the virus. Data modelling is also

	being performed to identify the clusters and mutants and make predictions about the spread of disease as per geographical and climatic conditions and social behavior of the general population.

2. Study of Scientific Implementation in Python

Project Title	Study of Scientific Implementation in Python
Principal Investigators	4. Dr. Pushpa Bindal, Professor, Department of Physics 5. Dr. Triranjita Srivastava, Assistant Professor, Department of Physics 6. Ms. Arokia Ramya Terrance, Assistant Professor, Department of Computer Science
Students Involved	1. Ms. Hansika Saxena, B.Sc.(H) –CS III year 2. Ms. Aastha Mittal, B.Sc.(H) –CS III year 3. Ms. Kusum B.Sc.(H) –CS II year 4. Ms. Tamanna B.Sc.(H) –CS II year 5. Ms. Shweta Tiwari B.Sc.(H)–Physics II year 6. Ms. Yati B.Sc.(H) – Physics II year 7. Ms. Vanshika B.Sc.(H)–Physics II year 8. Ms. Sakshi B.Sc.(H)–Physics II year
Funding Agency	Kalindi College
Amount Allocated	Rs. 10,000/-
Tenure of the Project	One Year
Report	It is well known that the study of real processes is always a complicated analysis, and the computation helps a lot in analyzing any such process. The knowledge of computation is essential for a person having scientific temperament and is need of hour. There are various programming languages namely Python is being used for different purposes. It is an open-source software, easy to learn and very popular now-a-days. It includes a range of features tailored for scientific use, handling vectors, inverting and diagnalizing matrices, performing Fourier Transforms, curve fitting, etc. It also has the capability of creating 3D graphics along with animations, which is very fascinating to analyze a problem and present the results beautifully in a visual manner. It is a versatile language with no limit to its usage in any field of our life, such as it can be very well used for random prediction of playing dice or even generating artificial galaxies. Therefore, in this project we aim to study the scientific implementation of Python, to real processes in science.

3. Financing the Unorganised Sector: Impact of Government Initiatives

Project Title	Financing the Unorganised Sector: Impact of Government Initiatives
Principal Investigators	1. Dr. Anjali Bansal (Gupta) 2. Dr. Reena Jain
Students Involved	1. Aiman Muskan 2. Tinki Kumari 3. Sushmita Prakash 4. Upasana Nebhani 5. Anuja Dogra 6. Jhanvi Sharma 7. Aayushi Singh 8. Ritika Yachna 9. Jagriti Yadav 10. Subhangi Sharma 11. Aditi Singh
Funding Agency	Kalindi College
Amount Allocated	INR 3000*2 = INR 6000/ (fee for attending the conference)
Tenure of the Project	One Year
Report	The unorganized sector is neither unorganized nor a sector. It is more an omnibus term describing a worker who does all types of work: paid, unpaid, temporary, permanent across sectors: manufacturing, services, agriculture in a variety of work places: factories, own homes, on the streets and in the fields under a variety of work relationships: contract employees, self-employed, own account. The term unorganized sector thus recognizes the wider world of work, not just the narrow one of a permanent employee. As per Government of India statistics, the unorganised sector contributes more than 50% of the total GDP and almost 93% of the total workforce is "informal". (The Economic Survey of 2018-19). The unorganized sector thus plays a crucial role in our economy in terms of employment and its contribution to the National Domestic Product, savings and capital formation. Notwithstanding its importance in the economy, the unfortunate state of affairs is that it remains starved of capital. Since it fails to get access to the organized sources of finance, it is forced to fall-up on the unorganized credit market, getting funds often at exorbitant interest rates. In the recent years, the state has become quite active in promoting institutional finances for this sector. Public and private commercial banks and central and state level term lending institutions, cooperative societies etc.

	are directed/ encouraged to provide loans to the unorganized sector at low interest rates. Some targeted schemes have also been initiated. Over the years, the share of institutional sources in total outstanding loans of the unorganized manufacturing sector seems to have increased. Through this Kalindi College funded Project research an attempt has been made to study the position of unorganized sector due to the impact of Government Initiatives and the changes over the last couple of years due to those initiatives.

4. Predictive Analysis of Crime Rate in India

Project Title	Predictive Analysis of Crime Rate in India
Principal Investigators	1. Ms. Arokia Ramya Terrance 2. Ms. Kanishka
Students Involved	1. Nishtha Anand - B.Sc. (H) Computer Science, 3rd year 2. Harshita Bajaj - B.Sc. (H) Computer Science, 3rd year 3. Siddhi Gupta - B.Sc. (H) Computer Science, 3rd year 4. Aditi Shah - B.Sc. (H) Computer Science, 2nd year 5. Pinky Kumari - B.Sc. (H) Computer Science, 2nd year
Funding Agency	Kalindi College
Tenure of the Project	One Year
Report	According to the United Nations Office on Drugs and Crime (UNODC) reports, India holds 116th rank on country-wise crime rate chart, which is a matter of great concern. The **main focus** of our research project is to do a detailed analysis of the **reported crime cases in India** using machine learning algorithms. The purpose of this research project is to study the past crime cases in India using machine learning algorithms. To make the predictive analysis for the later year and compare the solution with the actual data. To compare the performance of different machine learning algorithms. **Continuous Improvement: -** The accuracy improves with huge amount of training data available. **Trends and Patterns Identification: -** Various trends and patterns can be studied using different machine learning algorithms. **Automation for everything** :- Ability to automate various decision making tasks like sentiment analysis, chatbots etc. **Wide Range of Applications** :- Machine learning is used in every industry these days. Applications like text prediction. spell check, GPS Tracking for traffic are the most prominent one.

STUDENTS PURSUING INTERNSHIP

S.N.	Name	Duration From- To	Name of the organisation/ company/ Institution	Title/Topic
1	Shubhangi Bhatia	6/10/2021 to 8/10/2021	Whole New Level, Mumbai	Web development intern
2	Neeti Wason	11/16/2021 to 4/30/2022	Du Assassin	Web developer
3	Kusum	8/10/2021 to 1/15/2022	Shape AI (now changed to : DevTown)	Full stack web development
4	Anubhuti Pathak	8/1/2020 to 8/31/2020	Unleash your passion	Mail handling
5	Harshita Bajaj	9/21/2021 to 10/21/2021	Rabbani ITI	HR Intern
6	Harshita Bajaj	8/26/2021 to 11/26/2021	Aashman Foundation	HR Intern
7	Yashika Aggarwal	7/12/2020 to 9/2/2020	The Rising People Welfare Society	Public Relation
8	Shubhangi Bhatia	2/17/2022 to 3/17/2022	Awarathon	Product development intern
9	Aastha Mittal	7/4/2022 to 8/7/2022	CloudSEK	Technical Writer
10	Hansika Saxena	1/1/2020 to 3/1/2020	Zircog Solutions	Digital Marketing
11	Hansika Saxena	10/1/2020 to 11/1/2020	Youth India Foundation	IT Head
12	Hansika Saxena	11/1/2020 to 12/31/2020	Leads Flick	Digital Marketing
13	Hansika Saxena	6/3/2021 to 5/31/2022	CloudSEK	Cyber Intelligence Analyst
14	Bharti	3/24/2021 to 5/22/2021	INTELLIFY	Content Development
15	Mudita Aggarwal	1/17/2022 to 2/17/2022	Neolen Services Pvt Ltd	Business Development

S.N.	Name	Duration From- To	Name of the organisation/ company/ Institution	Title/Topic
16	Disha Talwar	1/13/2021 to 8/29/2021	Homeflic WeGrow	Senior HR Associates
17	Seema Kumari	1/31/2022 to 4/30/2022	Aashman foundation	Graphic design
18	Disha Talwar	11/25/2021 to 3/25/2022	Marvel Consultants	HR associate
19	Fariha Haroon	1/9/2021 to 2/9/2021	READERSCOOK.SITE	Content Writer
20	Nikku	11/24/2021 to 12/25/2021	GRAPE EVENTS PVT LTD	Social media marketing intern
21	Priyanshi Girdhar	8/26/2021 to 9/9/2021	Career Intuition	social Media Marketing
22	Muskan	9/12/2021 to 10/12/2021	Lyriclious - Learn with us	Campus Ambassador
23	Ritu kanyal	7/6/2021 to 9/5/2021	Raunakein	Charity
24	Abhika Mittal	23/10/2020 To 23/01/2021	goDutch	Growth internship as a Programme Manager
25	Jyoti gupta	4/4/2022 to 6/9/2022	Top trove foundation	Teaching,sales and marketing ,digital marketing
26	Tannu	2/4/2022 to 4/4/2022	Home flic wegrow	Business development associate
27	Bidisha Ghosh	9/3/2021 to 6/9/2022	Viral Fission	Youth Ambassador
28	Lakshmi	10/2/2021 to 12/2/2021	Anar app pvt	Digital marketing
29	Aditi Pandey	2/10/2022 to 4/10/2022	Reaching Sky- limitless Stree	Content Writer
30	Mohini	8/1/2021 to 8/31/2021	Mycaptain	Graphic design
31	Yashi Johari	2/10/2022 to 3/26/2022	Reaching Sky Foundation	Web Developer
32	Mehak Aggarwal	5/12/2022 to 5/19/2022	Jankalyan Multipurpose Education Society	Human Resource
33	Mehak Aggarwal	3/21/2022 to 9/21/2022	Times Internet	Social Media Marketing Intern
34	Sandra	4/19/2022 to 5/19/2022	Younity	Business development and

S.N.	Name	Duration From- To	Name of the organisation/ company/ Institution	Title/Topic
	Subhash			research analysis
35	Sandra Subhash	1/15/2022 to 4/17/2022	Alliance Française de Delhi	French B2.2 level
36	Akansha	3/14/2022 to 5/14/2022	Ideately social media company	Copywriter intern
37	Vanshika Khurana	3/20/2022 to 5/20/2022	NUTRIAGE	Health benefits
38	Sandra Subhash	1/16/2022 to 1/16/2022	IMS PROSCHOOL	Financial Modeling
39	Sandra Subhash	1/22/2022 to 1/23/2022	IMS PROSCHOOL	Financial Planning
40	Sandra Subhash	2/20/2022 to 2/20/2022	IMS PROSCHOOL	Digital Marketing(Social Media Advertising and Analysing)
41	Pooja srivastava	2/1/2021 to 3/30/2021	Steg computer education	Advance office automation
42	Vanshika Khurana	1/15/2022 to 4/17/2022	Alliance Française de Delhi	Intermediate Level of French Language
43	Sonali Singh	2/1/2022 to 2/7/2022	National School of Drama	Theatre Appreciation Course
44	Ishita Malhotra	12/7/2021 to 3/7/2022	Primo Integrated Service Pvt. Ltd.	Marketing Specialist Intern
45	Lakshmi	10/1/2021 to 12/1/2021	Anar app	Digital marketing
46	Nishita Biesen	2/5/2022 to 2/27/2022	Younity	Ethical Hacking
47	Divyapreet kaur bindra	1/7/2020 to 5/12/2020	Anti cyber crime Organisation training 12-20 august	Anti cyber crime officer
48	Divyapreet kaur Bindra	10/20/2020 to 9/9/2021	Digital marketing 1 year internship at anti cyber crime organisation	Digital marketing
49	Divyapreet	1/5/2021 to 3/6/2021	IIT KANPUR - Psychology	Psychologist

S.N.	Name	Duration From- To	Name of the organisation/ company/ Institution	Title/Topic
	kaur Bindra			
50	Divyapreet kaur Bindra	8/1/2020 to 8/30/2020	Connecting dreams Foundation (CDF NGO)	Outreach Head
51	Divyapreet kaur Bindra	2/1/2021 to 2/13/2021	Mata Sundri college in collaboration with Kirorimal college, DU	Entreprenurship
52	Divyapreet kaur Bindra	1/17/2022 to 2/16/2022	CETPA & Kalindi college	Advanced computer Value added course

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