THE DIGITAL DISPATCH

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THE DEPARTMENT

The B.Sc. IT and B.Voc. Software development department of Jai Hind College aims at equipping students with skills that are in high demand from the industry with our comprehensive curriculum on topics related to programming, electronics, networking, etc. and co-curricular activities.
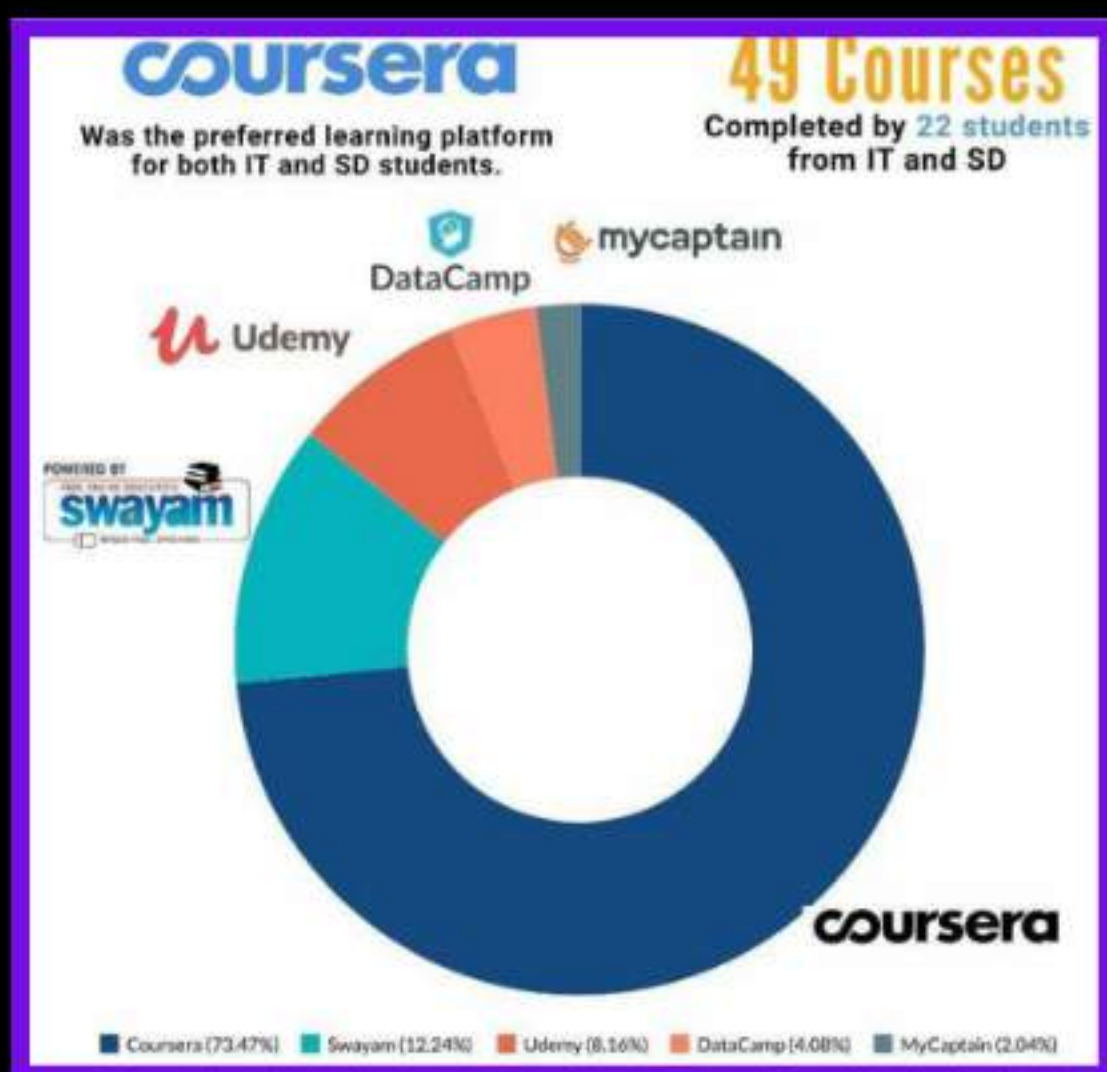
Our department has made sure that during these tough times of the pandemic, our students are able to have access to the best resources and study material from the comfort of their homes. With online courses made available to our students from various platforms like Swayam, Coursera, Udemy, etc., participation by the students was seen in large numbers. A lot of our students also acquired certificates from these courses other than the academic curriculum.

Our department aims at upgrading ourselves with the trends of the time therefore helping the students to progress substantially. Our upcoming co-curricular activities and extra-curricular activities include Xplore and our intercollegiate tech fest-Cyberstrike respectively, and even in an online envi-ronment, we have seen active engagement from the students. Not just that, our ever-hardworking placement cell, along with placing our TYs, has brought several intern-ship opportunities to our students of FY, and SY as well. The department with its facilities and innovative teaching works with the objective of all round development of the student.

5G TESTING

5G is the 5th generation mobile network. It is a new global wireless standard that enables a new kind of network that is designed to connect virtually everyone and everything together including machines, objects, and devices. On May 4, DoT had approved applications from Reliance Jio, Bharti Airtel, Vodafone Idea and MTNL for conducting 5G trials without using technologies from Chinese companies. According to DoT, 5G technology is expected to deliver ten times better download speed than that of 4G and up to three times greater spectrum efficiency.

Actress Juhi Chawla had raised concerns related to the radiation impact on citizens, animals, flora and fauna. But, the Delhi HC imposed a fine on her and co-petitioners saying that the plea was "defective" and filed for "gaining publicity".

India's 5G network will ride on technology and hardware developed by local companies, big and small, and is slated for commercial launch by August 15 next year to coincide with the 76th Independence Day. All in all, while it may not be apparent now, the upcoming 5G network protocol is set to be a game changer in mobile technology.
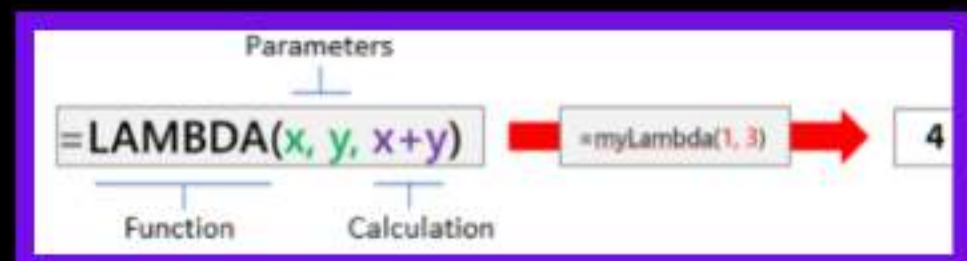

LAMBDA: Λλ
THE ULTIMATE EXCEL WORKSHEET FUNCTION

Excel might be the world's most widely used programming language and now Microsoft has turned it better and more powerful, without losing what makes it Excel. Microsoft's researchers believe they've now finally transformed Excel into a full-fledged programming language, with the introduction of a new feature called LAMBDA. Microsoft Senior Researcher Jack Williams described it at POPL 2021, "In Excel, it is now possible to build real, full-fledged programming experience. We can now start to build things that look like real programs."

Microsoft's New Programming Language is Turing Complete. "A programming language is Turing complete if you can implement any possible algorithm with it." And that's exactly what LAMBDA can now do.

Microsoft's Research blog calls this new LAMBDA feature "a qualitative shift, not just an incremental change." Being able to drop Excel's own formula language into a custom function is both a huge time saver and a boon for quality.

CRYPTOCURRENCY

Cryptocurrency is a digital or virtual currency that is secured by cryptography, which makes it nearly impossible to counterfeit or double-spend. In other words, no central bank or government regulates this currency (it's decentralized). It's based on Blockchain technology, which is a distributed ledger enforced by a disparate network of computers.

There is a common believe that all cryptocurrencies are just bitcoin which isn't actually true there are various cryptocurrencies other than BITCOIN such as: -

1. Ethereum (ETH)
2. Litecoin (LTC)
3. Cardano (ADA)
4. Polkadot (DOT)
5. Stellar (XLM)
6. Chainlink
7. Binance Coin(BNB)
8. Tether(USDT)

And of course, many more. These are all of the major cryptocurrencies in the market today, bitcoin being the leader of the pack. Beyond that, the field of cryptocurrencies is always expanding, and the next great digital token may be released tomorrow. While Bitcoin is widely seen as a pioneer in the world of cryptocurrencies, analysts adopt many approaches for evaluating tokens other than BTC.

THE PEGASUS SPYWARE

Pegasus is a spyware developed by the Israeli cyberarms firm NSO Group that can be covertly installed on mobile phones (and other devices).The spyware has been in the news for years and is in the news again. Last we heard of it in India was in 2019 when some WhatsApp users — including journalists and activists — received messages from WhatsApp telling them that Pegasus compromised their phones.

Pegasus spyware is able to read the victim's SMS messages and emails, listen to calls, take screenshots, record keystrokes, and access contacts and browser history. But as of now several prominent Indians, were said to be potential targets of the spyware again. The issue has now led to multiple disruptions in the ongoing Parliament session too. Pegasus spyware is able to read the victim's SMS messages and emails, listen to calls, take screenshots, record keystrokes, and access contacts and browser history.

G🎮MERS,
WE'VE GOT YOU COVERED!!!

The onset of the pandemic and the subsequent lockdown boosted mobile gaming in India.

Recently, Google has launched its largest ever Doodle game, Doodle Champion Island, to celebrate the commencement of the Tokyo Olympics 2020. The interactive games have been designed by Tokyo-based animation studio STUDIO4°C.
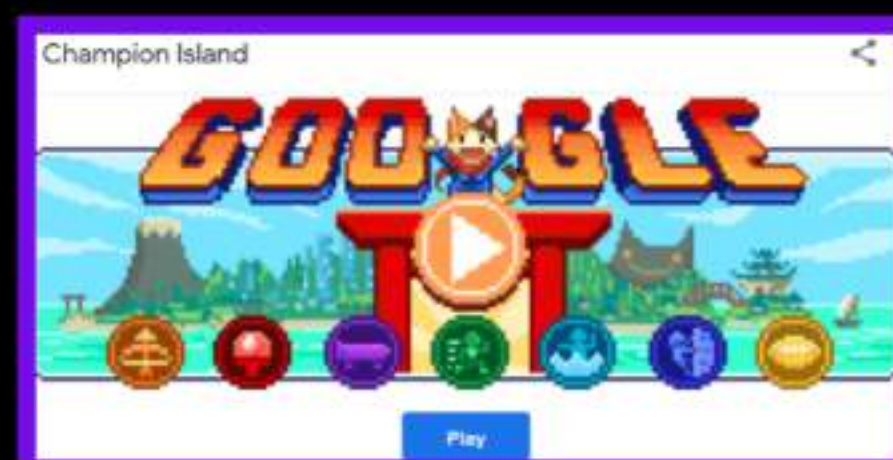
Also Krafton has released "Battle Grounds Mobile India" on 2nd July this year. This is the company's second attempt to re-launch PUBG Mobile in the country after the government banned it in September last year over privacy concerns.

Mobile games are becoming more popular as users turn to their phones for entertainment and social activities during isolation, giving developers the opportunity to help their players through the pandemic.

5 USEFUL APPS
FOR COLLEGE STUDENTS

With the current batch of college students transitioning into online learning, educational technology such as apps can help students with time management, organization skills, homework, collaboration and more.

Below is a list of apps for college students which are mostly free:

1. AnkiDroid flashcards : This app will help you memorize whatever you want with minimal efforts. You can add text, image, audio, and video to your cards and sync between your Windows 10 devices through OneDrive. For all android users this application is free.

2. Evernote : It is an app designed for note taking, organizing, task management, and archiving.

3. Quizlet : It is an apps for making flash cards and online quizzes, which can be used privately or shared publicly.

4. Grammarly : Surely you have seen ads for this application but its totally worth it. Grammarly is an online app that checks your grammar, spellcheck errors, and punctuations in English writing.

5. MyFitnessPal : A healthy mind resides in a healthy body. Studying long hours can take a toll on your health. My Fitness Pal is an app that helps students to keep track of their diet and set fitness goals.

XPLORE 2021

FUN WITH SCIENCE

Our annual intra college event Xplore which was organized on 27th February had a successful edition this year. Students were encouraged to develop a scientific attitude of research mindedness so that they develop the qualities of analytical and critical thinking. Although it took place virtually, students from various departments participated in the event where we had 8 teams from first year, 10 teams from second year and 4 teams from third year students.

There were lots of compelling and visually stunning presentations by the students. We were honoured to have Mr Wilson Rao Sir join all of us to watch the students display their adroitness.
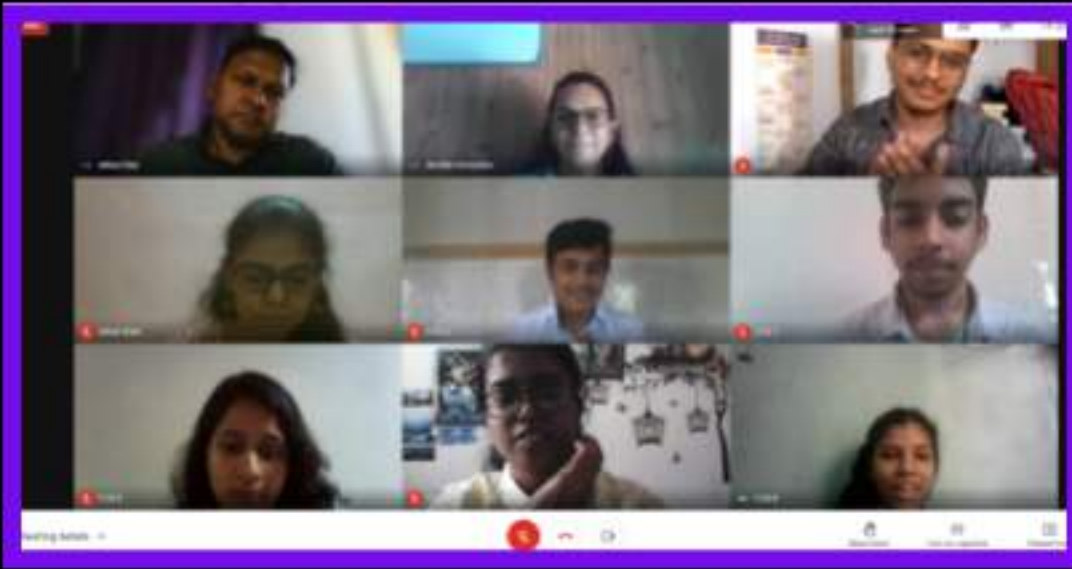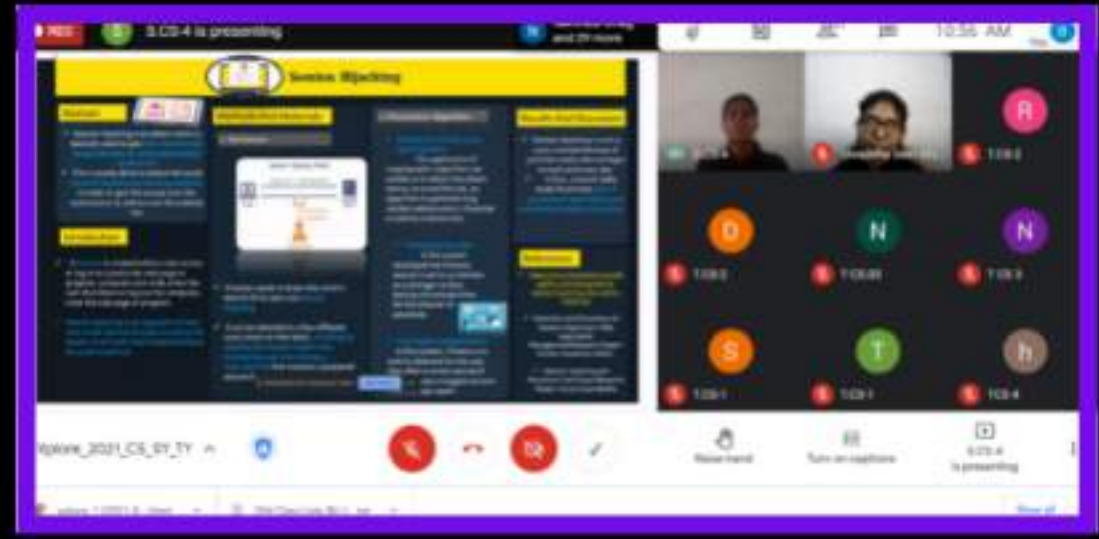
The event was judges by Bertilla Fernandes ma'am and Shruti Shah ma'am for the first years and Shraddha Singh ma'am for the second and third years. After each presentation, there was a question-and-answer session for the audience to learn more about the topic.

All the students showed off their talent and enthusiasm but some stood out more than the others and won the event.

WINNERS OF XPLORE 2021 :

1) First Year :
Aman Maurya and Maanuv Jagtiani
Topic - Recommendation System

2) Second Year:
First Place : Nidhi Madnani
Topic - Augmented Reality

Runner Up : Sumita Yadav
Topic - Session Hacking

3) Third Year :
Deepak Singh and Raj Joshi
Topic - Unleashing Java from Android

The exhibition provided a medium for popularizing Science and its close relationship between Technology and Society. All students worked hard and gave their best.

RESEARCH IN THE DEPARTMENT

Research is an essential part of study in all fields. The Department of BSc I.T and BVoc (SD) always promotes their students and the faculty members to take up research projects to upskill themselves and make a significant contribution to the society.

1. Ms. Krishna Chalitha KC

A former faculty of the department, Ms. Krishnachalitha K.C. who took a timeoff to complete her PhD has beenawarded the National Award 2021 - Young Distinguished Researcher AwardbyThe International Institute of Organized Research (I2OR)for her research on "EarlyDetection of Rheumatoid Arthritis using Artificial Intelligence". She has workedon this paper along with Dr.C.Priya.

One of the most prevalent and demanding fields of research is the study of Rheumatoid Arthritis(RA) from MRI of the hand and wrist using image processing methods.To detect RA automatically, they created a Convolutional Reinforcement Learning Technique (CRLT) .The created model is a combination of Deep Learning and Reinforcement Learning. RA first manifests itself in the joints of the hands and wrist. The model is created using 6200 MRI images (real images) of the hand and wrist. The model is found to be very efficient. Ms. Krishnachalitha.K.C has also presented multiple papers in international and national conferences. It is truly an honour to have professors like her in our department who can their train and motivate the students who wish to embark their journey in research.

AWARD CERTIFICATE

presented to

KRISHNACHALITHA K C

from

Vels Institute of Science, Technology & Advanced Studies (VISTAS) Chennai, Tamil Nadu, India

I2OR™ is Registered MSME with Ministry of MSME, Govt. of India (UDYAM-PB-20-0002405)

Dr. S.N. Mehta
Director
I2OR India

Er. T. Singh
Head (R&D)
I2OR India

2. Mr. Krish Nair

Mr.Krish Nair was a student of BSc I.T from the batch of 2018-21.Under the guidance of Ms. Krishnachalitha K.C and Ms.Bertilla Fernandes,he has presented papersin National Conferenceson topics like Brain Computer interface and Security issues in IoT Architechture.

Mr.Krish Nair presented his paper on "A Literature Survey on Challenges in Cyber Security"in an international conference in July,2020.His paper has been accepted for publication in IEEE(The Institute of Electrical and Electronics Engineers) Digital Library.

The Department is proud to have students like him who strive to learn something new each day and who believe in giving back to the society through their knowledge

THIRD-YEAR PROJECTS

Product Video Promotion Using AR

Deeksha Bajpai - TYIT(2020)

" I chose this project because I was fascinated with the idea of virtual showrooms! Imagine being able to try on watches, jewelery and clothes without stepping out of your house in Covid times! This App is intended to enable users to interact with products, view from different angles and much more. A combination of these features creates a wow! effect leaving a lasting impression so that users remember the product and its manufacturer. To use this app, using a smartphone camera, point at a marker or get an event activated; and based on the record in the database, view a combination of different types of information such as an overlaid video, 3D model or even a mini game! "
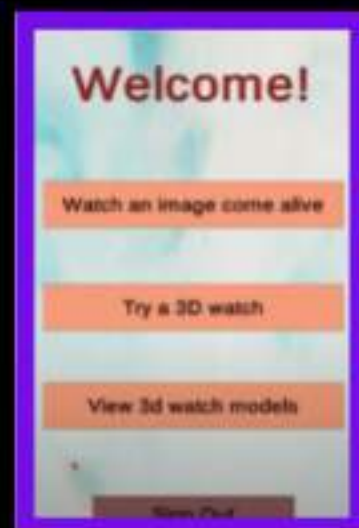
RiskAssess - A Health Risk Assessment Website

Abhay Shah - TYIT (2020)

"RiskAssess is a health risk assement web application built using the Flask Framework and an Sqlite Database. The project makes use of several machine learning algorithms to predict if a patient has the likelihood of cancer, diabetes, heart disease, kidney disease, and liver disease. RiskAssess uses several ML Algorithms such as Support Vector Machines (SVM), RandomForest Classifier, and Multiple Linear Regression (MLR) to provide accurate predictions. The project also includes security against SQL Injection and CSRF attacks. "
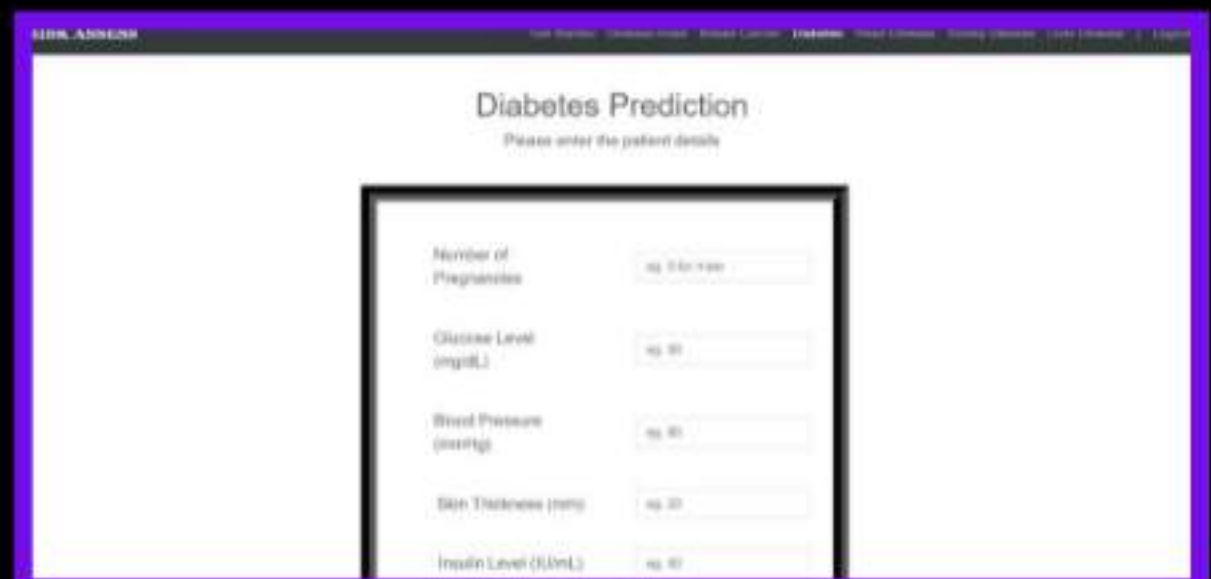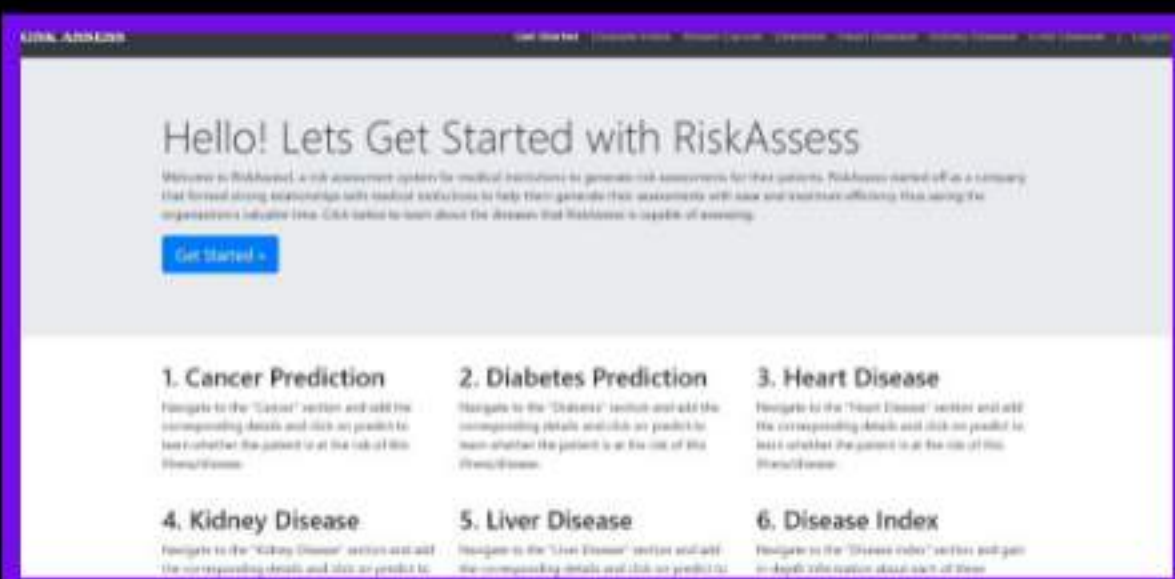
THIRD-YEAR PROJECTS

AI Based Smart Exam Proctoring System

Narender Keswani - TYBVOC(2020)

"AI Based Smart Exam Proctoring System (MyProctor.ai) will make life easier of professors, colleges, students while saving time and reducing human labor. This System is a COVID-19 warrior 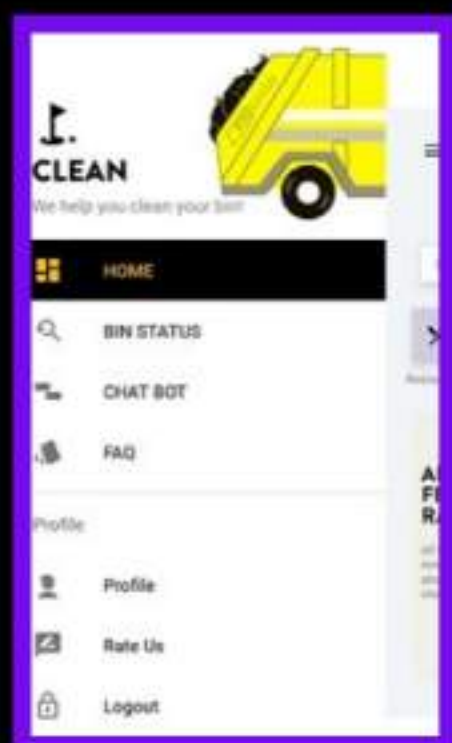which helps educational institutes to conduct the proctored exams from anywhere. It performs automatic online exam proctoring. The system hardware includes webcam for the purpose of monitoring the visual and acoustic environment of the testing location. The system includes components that continuously estimate the key behavior cues: active window detection, gaze estimation, multiple face detection, audio detection and phone detection. By combining the continuous estimation components, I have designed higher level features to classify whether the student is cheating at any moment during the exam. This system can conduct three types of exam: a) objective, b) subjective, c) practical Also, this system has been noticed on my GitHub. Multiple Start-ups and students are reaching out to me regarding this project's development.
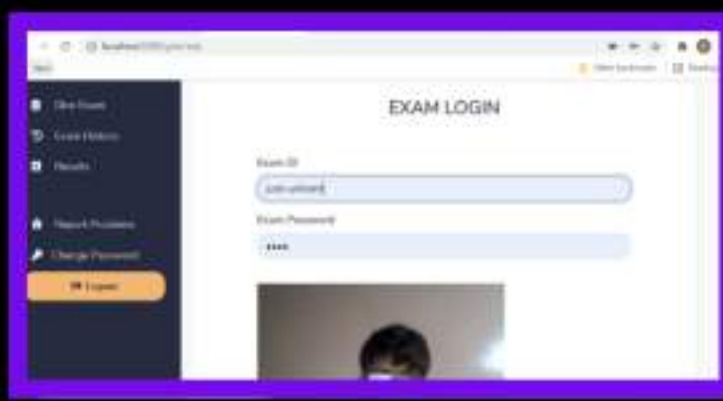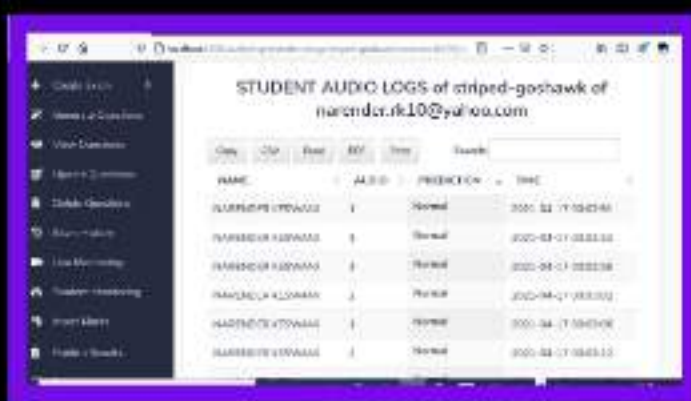
Smart Dustbin

Hassan Haque - TYBVOC(2020)

"Smart Dustbin is intended for garbage disposal and management. The fundamental control system uses a wireless Bluetooth device / WiFi device gives wireless access to smartphones. The system is designed with sensors that help to open the bin automatically, hence making the work quick and easy for an individual. The bin status is synchronized with the application, which helps giving signals when the bin is full. This system is designed to make garbage management easy throughout the house, city with ease of installing it, ease of use, and cost-effective. Additionally, the idea and the features of the system are 1. Automatic Open/Close, 2. Automatic waste segregation into dry and wet, 3. Notifies the Garbage collector of the society when the bin get's full, 4. Integrated ChatBot + Google Assistance for telling the status of the bin in %, 5. User Reviews and other customer care features etc. "

FIRST YEAR ORIENTATION

Even though this year's fy batch was introduced to the college in a peculiar manner the staff and the student body made sure to make them feel welcomed.The FY orientation had been digitalized this year.

It was held on the September 9th, 2020. Our principle, Mr Ashok Wadia, greeted the students and educated them about the values of our college. He walked the students through the history and heritage of our college.
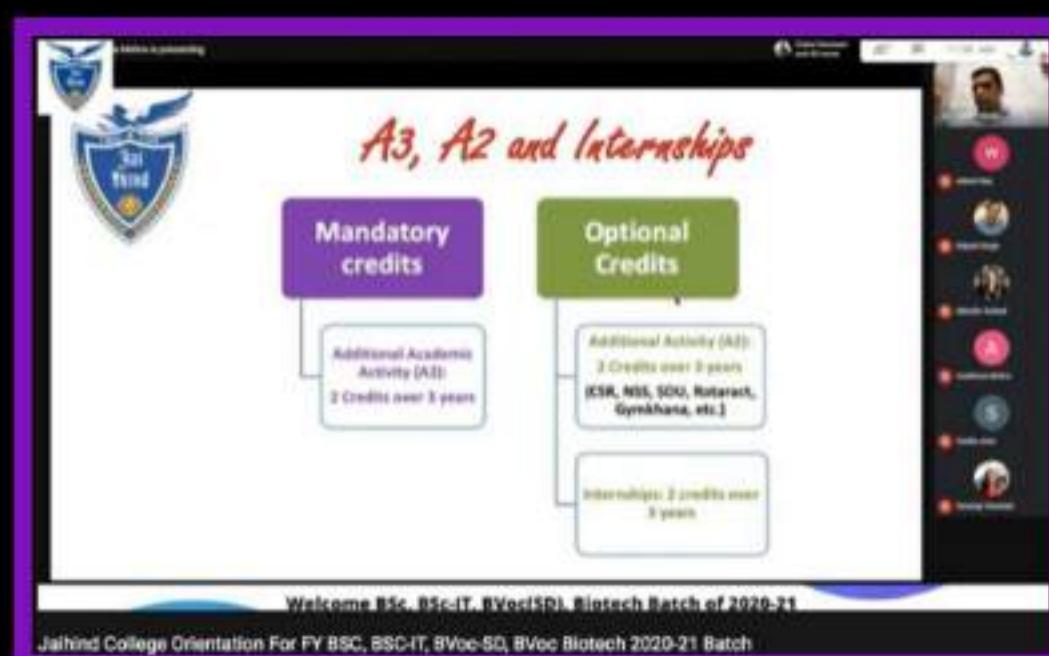
Later our HOD, Mr Wilson Rao, extended a cheerful welcome to the students. He briefed us about the nitty-gritty of our department. He also gave us detailed information about our course.

Lastly, he made sure to introduce us to all our subject teachers.There was a short-lived session where the seniors interacted with the juniors and gave them more insight about our department and their experiences. All in all, the uniquely held FY orientation was a great success in spite of the difficulties faced by the college staff and students.

DIGIITAL DIWALI

Diwali, the festival of light is celebrated with great pomp and show all across the country. However, owing to the rising cases of coronavirus and the outbreak of the pandemic, the celebrations remained a low-key affair for everyone. The COVID-19 restrictions clouded the grand celebrations; However, people decorated their homes with earthen lamps, candles and lights with the same enthusiasm.

Our BSc IT and BVoc SD department also celebrated Diwali in a very unique way. Unlike other colleges we spent our Diwali with each other, but virtually. Students from all years and teachers got together and planned a conference call where all of us played games like hangman, guess the movie/object, dumb charades, etc.

We shared our experiences with each other and truly had a blast together. The celebration brought us closer than we already were and it was one to remember.

ONLINE CLASSES
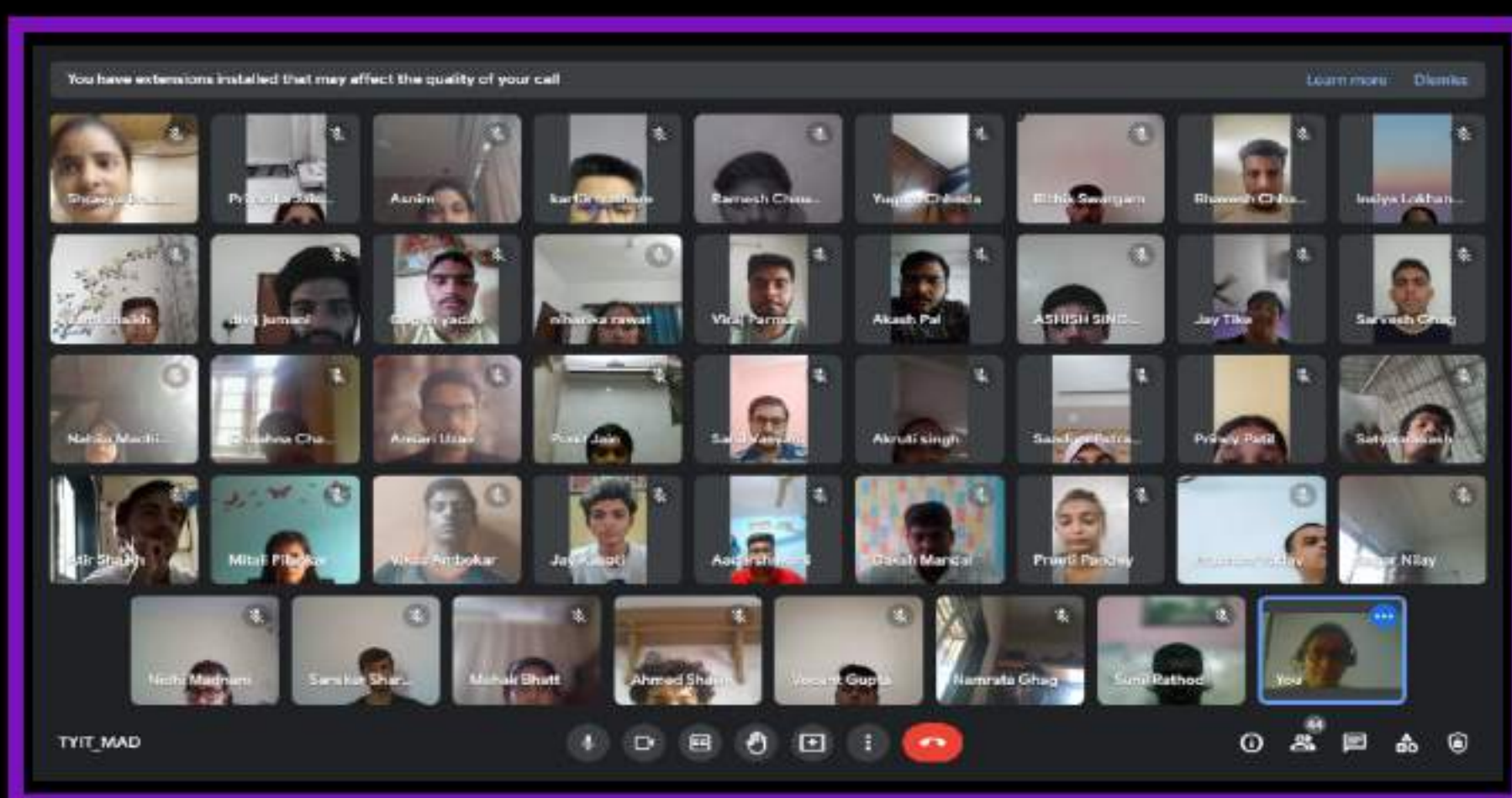
With the massive development in technology with each passing day, most of us were aware of the alternatives to traditional methods of studying, but then came the wave of corona virus and it changed the entire paradigm. We have always come across changes in the syllabus, patterns but here, we were facing an altogether new way of coping up with education, not just one, but everyone, right from kindergarten students to degree colleges, from students living in an urban setting to the ones in rural areas. While the interactive environment of a school or a college switched to online meetings, E-books replaced the hardcovers, Google Classrooms replaced project files and much more, a lot of students viewed this as beneficial, this school of thought came from the fact that it is helping students make productive use of the time and energy that they would usually devote towards activities like travelling to their institute of education, etc. Utilising and learning the endless provisions of educational digital resources that one might not otherwise explore, has been another leading factor as to why students are inclined towards online learning.

However, some groups of students have also been seeing this as a curse, mostly because traditionally, the schooling environment not only educates you but also helps in individual cognitive development, online classes definitely hold you back from this. Moreover, students in rural areas are not well equipped with digital platforms which has led to well versed education taking a backseat for this particular academic year. Students who see this as a boon also tend to face connectivity issues, lack of resources, lack of concentration. Students are also enduring disturbed sleep pattern, monotony, etc due to the big increment in the number of assignments, and deadlines to meet.

As much as it is for students, teachers have also been encountering their own set of troubles. Some teachers have had to really step out of their comfort zone due to the unfamiliarity with the features of virtual meeting apps. To keep up with the technology, prepare presentations and manage work at home became irksome to most.

To conclude, we can say that practically when we make technological progress, change is consistent and we tend to deviate from traditional and ancestral methods. Although online classes cannot be seen as a permanent solution, we can be grateful for the access to education that is possible during a pandemic. Question remains, is this really a boon or a bane?

CYBERSTRIKE 2021

Our very own tech - fest Cyberstrike, the apt pace to be for every tech enthusiast, was at it once again with its innovative events to enjoy and learn from. Most things this year have been nothing but challenging due to Covid-19, lucky for us, the members of our Dot Com Club see every challenge as an opportunity to prove ourselves and keeping that reputation up, cyberstrike was held virtually this year. Day one of cyberstrikewas commenced with a virtual opening ceremony with words of wisdom and good luck from our principal, Mr. Ashok Wadia and our HOD, Mr. Wilson Rao. Mr. Utpal Chakraborty graced the opening ceremony with his presence as the guest of honor. Just like every year, this year too we had a huge number of participants from different colleges and our own, participating in the amazing events served by our fest. The events of day one included Valorant and COD, which were streamed live on youtube! Day two was filled with some power packed events such as the final of the debate event where the students took up the roles of popular personalities such as Mamta Banerjee, Amitabh Bacchan, Arvind Kejriwal and Kangana Ranaut, and debated over trending topics of today. Immense talent was showcased by our very own students and teachers through their outstanding virtual dance performances. Winners of the events that took place were announced during our closing ceremony along with a fun award ceremony for our TY students To top it all, we had a warm guitar performance by Wilson Sir. The fest served as a well-deserved break that mentally gave the students an energy boost and refilled their minds with fruitful memories. The two-day tech fest was a great success. From electrifying performances, to events, cyberstrike had it all!
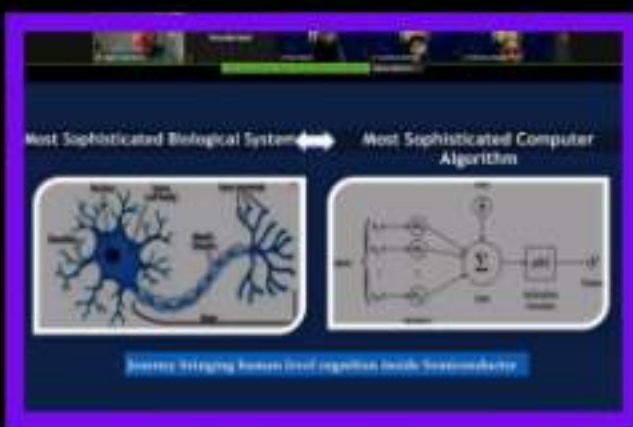
TREASURE HUNT

The Virtual treasure hunt organised by The Department of BSc I.T. and BVoc SD was one of the highlights of the year 2020. The event took place on 29th December 2020 and was the first virtual treasure hunt of our college. The planning team carefully crafted and implemented the hunt via platforms like google meet, google drive, YouTube, Instagram and many more. The game was played in two modes- Terror mode and Fiction mode. The hunt was very well-received and over 180 registrations were recorded for both modes combined. At each step of the game, the contestants were met with different clues and riddles which they had to decipher to get to the climax of the game. The contestants who sent the final clue earliest to the official DotComClub Instagram Account were declared as the winners.

PLANNING TEAM

WINNERS

TERROR MODE
1ST - DEEPAK BUDHWANI
2ND - SHASHANK PANDEY

HARRY POTTER
1ST - ROMIT SINGH
2ND - NIKHIL AGARWAL

GODREJ
BETA TESTING

This year Godrej Security Solutions presented Cam-Scan – a one-of its-kind opportunity to help develop a revolutionary IoT device named SPOTLIGHT which is a Wi-Fi enabled CCTV camera with smart motion detection, cloud storage and much more. Cam-scan is developing India's first fully Made-in-India surveillance IoT device. This beta testing was done by the students of BSc IT and BVoc SD. A total of 20 students were selected on the basis of their application sent to Godrej .

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It was a four-week program from 1st Dec – 25th Dec 2020. The winners of each week were:

Week	iOS	Android
1	Jenika Shah	Deepak Singh
2	Unaiza	Deepak Singh
3	Shivani	Deepak Singh
4	Unaiza	Deepak Singh

Top Contributors :
iOS- Jenika Shah   Android- Deepak Singh

The students got to avail a one-off chance to get real life exposure to launch of a new product – and that too of an IoT device. The main essence of the program was to collect general and technical feedback of the product. All the participants were given the Wi-Fi home camera for free after the end of program.

SEMINARS
Learning Opportunity For Students

Seminars hold great importance in the life of a student. They are platforms not only to learn new aspects, others perspective and latest information but also a way to earn the AAA credit points for students. This year our department had various useful webinars to make our students grab the knowledge on a particular topic.

"What is Research in IT and its Importance"

A webinar on "What is Research in IT and its Importance" which was held on 1st March 2021 for the second and third-year students.
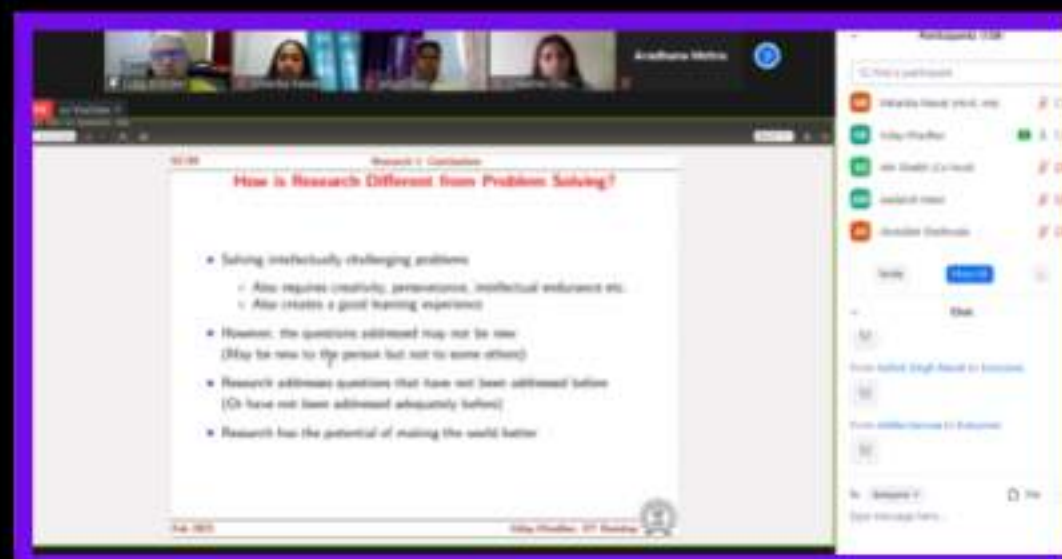

"Cyber Forensics: Concepts, Challenges and Future Trends"

A 2-Day Webinar Series titled "Cyber Forensics: Concepts, Challenges and Future Trends" was organised on 17th and 18th April 2021 which opened up an additional field for the students to explore.

PRE-PLACEMENT ALUMNI TALK

Campus placements are an integral part of college life for students. It is one of the best ways for students to get started in their careers.
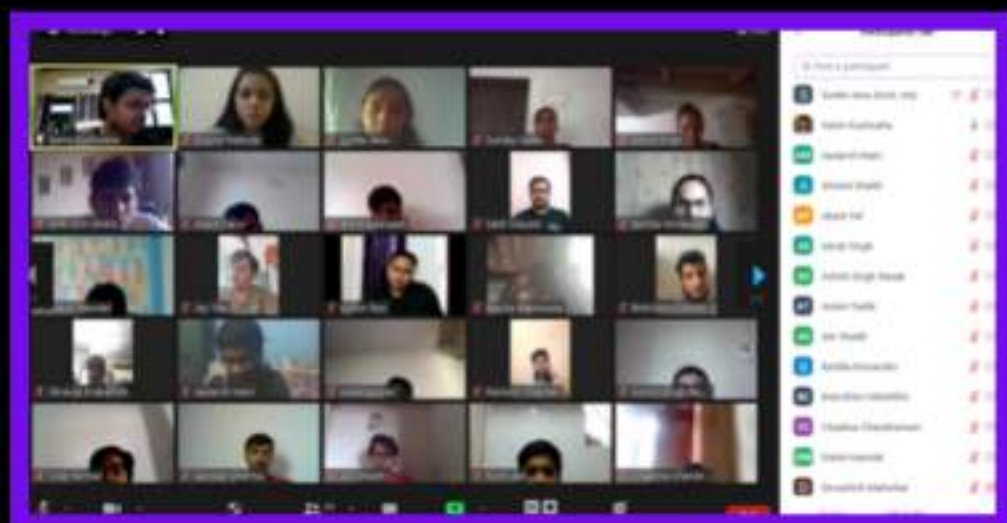
To make this process a bit more familiar to the students the placement cell of the Department of I.T and BVoc (SD) organised a seminar for third year students on 31st July 2021. The alumni of both IT and BVoc (SD) were invited to counsel the students.

The alumni shared their experience and gave the students an insight into how the placement process works. The seminar proved to be fruitful for the students as they were able to ask their queries to them and got to know how they can start preparing for the upcoming placements.

BSc. I.T Alumni: Samir Kushwaha (2016-19)
BVoc(SD) Alumni: Ujjal Kumar Ray(2017-20)

PLACEMENT CELL

The pressure of getting a job after graduation can be a bit overwhelming, to makes things easier the placement cell of the **Department of I.T. and BVoc. (SD)** was established for the sole purpose of placing the students in companies which worth their calibre.

The department has successfully placed student's in companies like Ernst &Young where 3 students got placed with a package of 3.5L Per Annum, Larsen and Turbo where 22 students got selected with the package of 2.6L Per Annum, Wipro, where 8 students got selected with the package of 2.2L Per Annum,Tata consultancy Services where 11 students got selected with the package of 1.9L Per Annum.

I.T. Department

ENY (got selected with package of 3.5 LPA)

01. Ekta Belani | 02. Deepak Jha | 03. Jenika Shah

LTI (got selected with package of 2.6 LPA)

01. Ekta Belani	09. Uzair Patel	
02. Deeksa Bajpai	10. Deepak Singh	17. Daksha
03. Tripheena Selvaraj	11. Prashant Gowda	18. Aman Singh
04. Aradhana Mehra	12. Shivani Mourya	19. Himanshi Goyal
05. Fahat Khan	13. Nandini Kale	20. Anjali Singh
06. Abhay Shah	14. Krish jain	21. Binoli Shah
07. Drishti Jain	15. Jenika Shah	22. Sonam Singh
08. Shripad Bijani	16. Sapna Rathod	

WIPRO (got selected with package of 2.2 LPA)

01. Abhay Shah	04. Sapna Rathod	
02. Shivani Mourya	05. Drishti Jain	07. Deeksha Bajpai
03. Ekta Belani	06. Binoli Shah	08. Venkateshan Kokattu

TCS (got selected with package of 1.9 LPA)

01. Abhay Shah	05. Deepak Singh	
02. Ankita	06. Drishti Jain	09. Sapna Rathod
03. Aradhana Mehra	07. Jenika Shah	10. Shivani Mourya
04. Bhuneshwar Mishra	08. Rohan Rao	11. Venkateshan Kokkattu

BVOC (SD) Department

TCS

01. Shrenik Jain | 02. Radhika Joshi | 03. Raju Mandal

THIRD YEAR RESULTS

Most people might associate the year 2020-2021 with the pandemic but, for us in **the BSC IT and BVOC SD Department**, this year marked some new beginnings and achieving new heights academically. The autonomous system was implemented in the year 2018 and the goal was to design its own syllabus and curriculum to enable the students to be more industry-ready by learning the newest technologies and global trends along with their practical implementation in a systematic manner. Our first cohort of students under the autonomous system graduated in the academic year 2020-2021 and, they have passed with flying colors amidst the chaos of the unsettling times.

TYIT:
1. Deeksha Bajpai
2. Drishti Jain
3. Aradhana Mehra
4. Rohan Rao
5. Jenika Shah

TYBVOC:
1. Utkarsh Bafana
2. Narendra Keswani
3. Hassanul Haque
4. Neel Deshmukh
5. Nishit Shah

MSC BIG DATA ANALYTICS

The Masters of Science in Big Data Analytics program was introduced in the year 2020. The successful launch of this program was done in collaboration with Tata Consultancy Services. The objective is to give students in-depth knowledge and a critical understanding of today's data-driven businesses by collaborating with trained industry professionals.
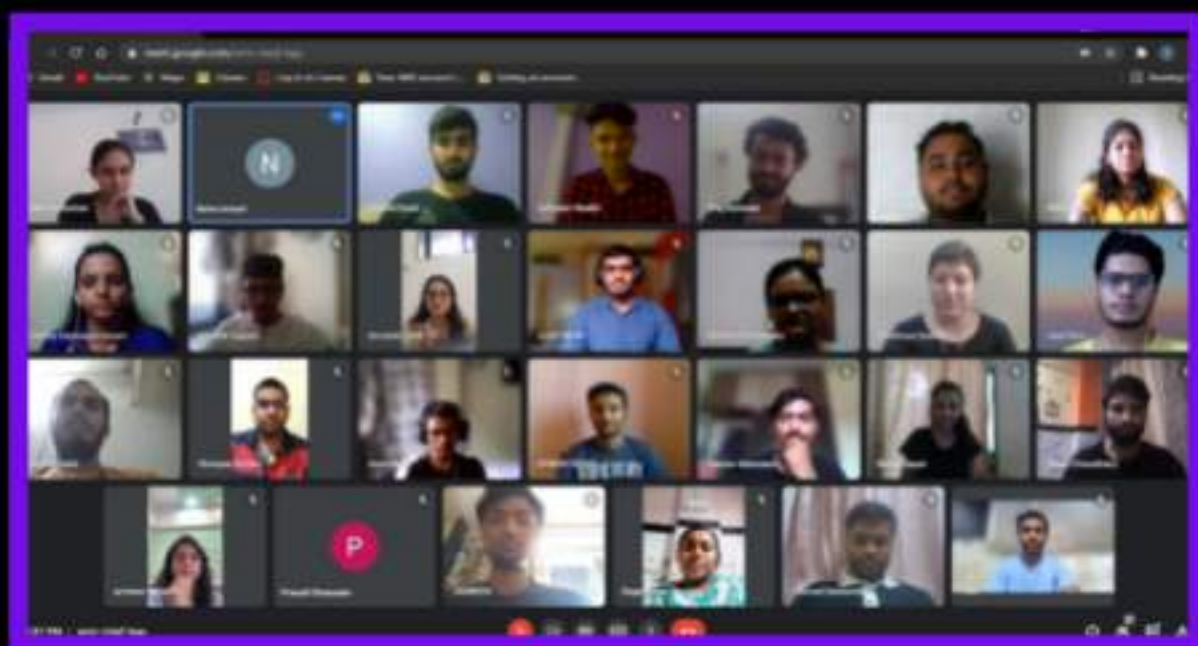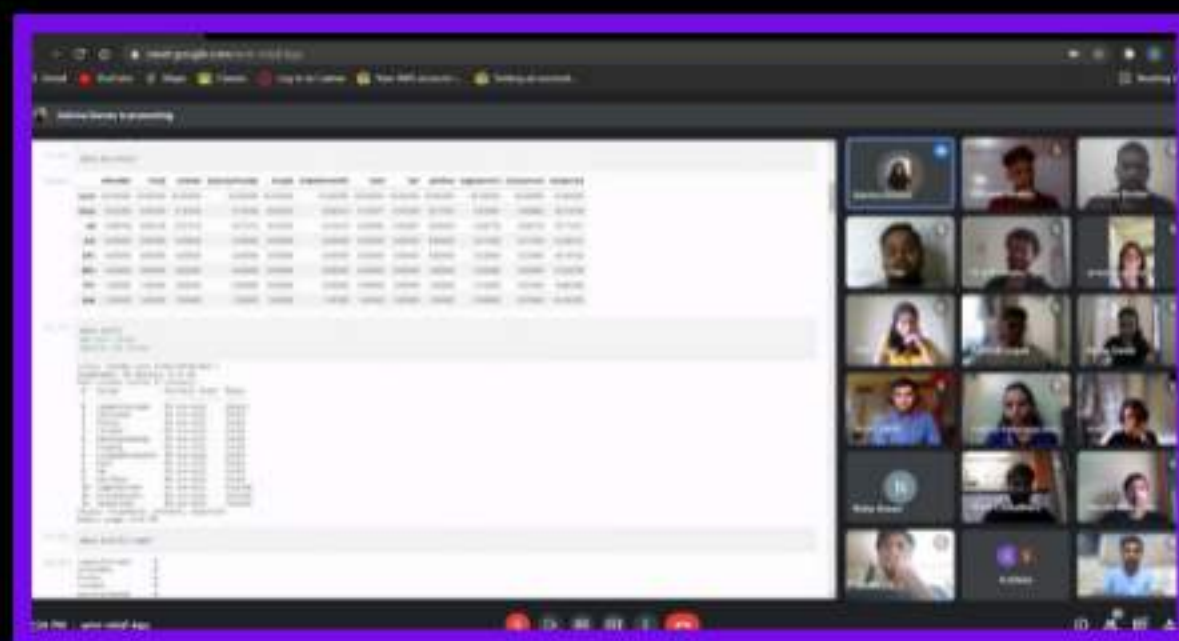

It is a post-graduate program spread over two years' duration and four semesters with courses to increase the student's exposure towards practical aspects, application-oriented subjects, and programming languages. Along with the plethora of knowledge that the student will take away, this course also offers other perks like TCS supported internships to acquire industry-relevant training in semester IV.

TECH-HACKS YOU NEED!

1.StudyMore Constructively with Google

Whenever you are studying for an important exam in school or college, you can just google "site: edu [subject] exam". Here you will get links to several sample exams with solutions and everything.
Let's see an example: Google search this exact phrase: site:edu C++ exam
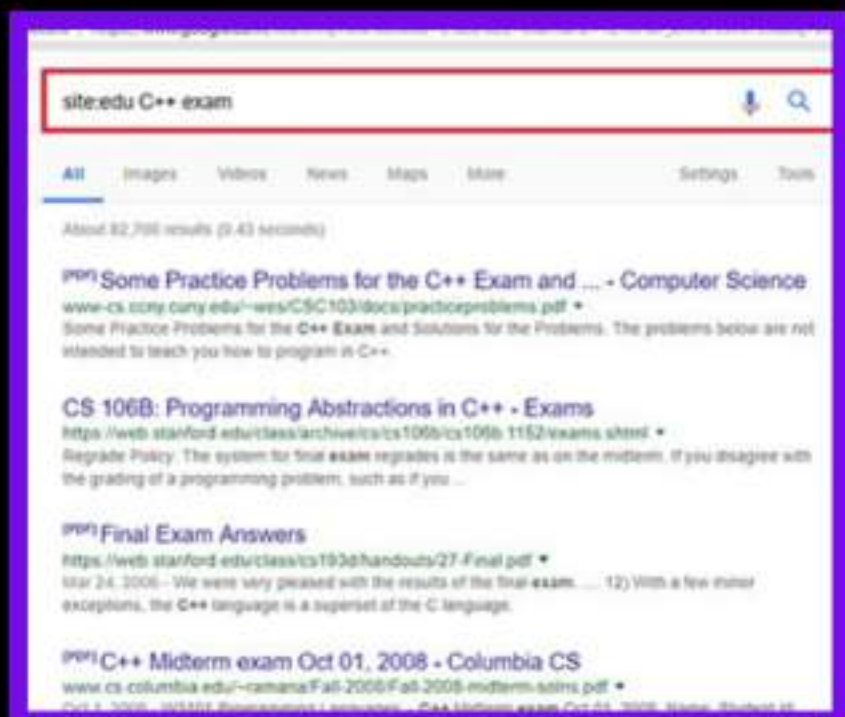
2.WORD.

If you want to change everything to uppercase in a word document, here's what you have to do: Select the text you want to change, press shift+F3.

3.OOPS

If you ever close a browser by mistake, all you need to do is press Ctrl+Shift+T

4. AMAZON

With Amazon Student, get Prime for six months free and, after that, 50% off for the rest of the time you're a student.

5.SLOW PC?

Clean you hard drive removing unwanted programs can help fasten it up.
Scan for malware.
Remove Start-up programs.

6. Short answers? we got you!

To get quick summaries of articles online, get and use the Chrome extension TLDR.

7.I am stuck.

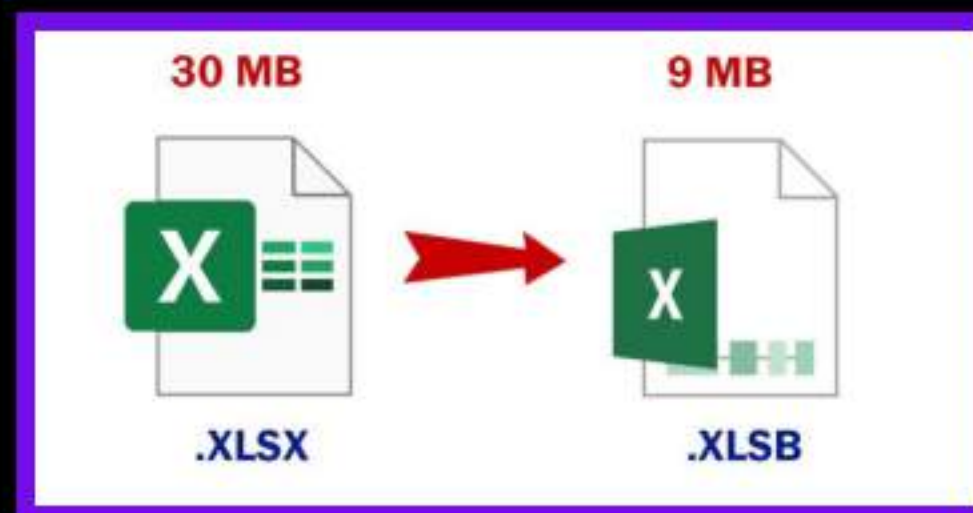Want a quick way to unfreeze a frozen phone? Plug it into its charger.

8.Need help with H.W?

Your best search mate for college assignments is not google.com. Use scholar.google.com instead. Try adding "PDF" to find downloadable copies.

9.Memory full? try this

Saving an Excel file as an .XLSB will shrink the size by half or 75%.

10.BuiltWith

This one's for developers who wonder what technologies and services are running under the hood in websites. Dissect a site with BuiltWith.com.
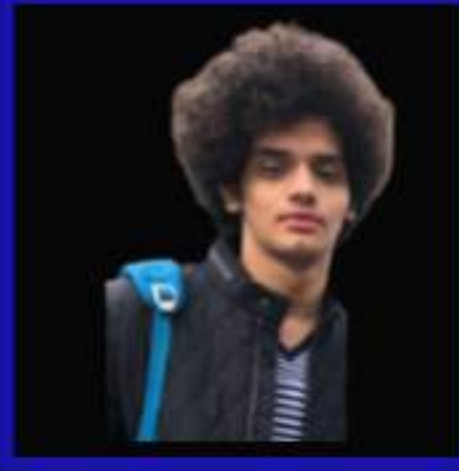
BATCH
OF 2020
IT & BVOC

BATCH OF 2020
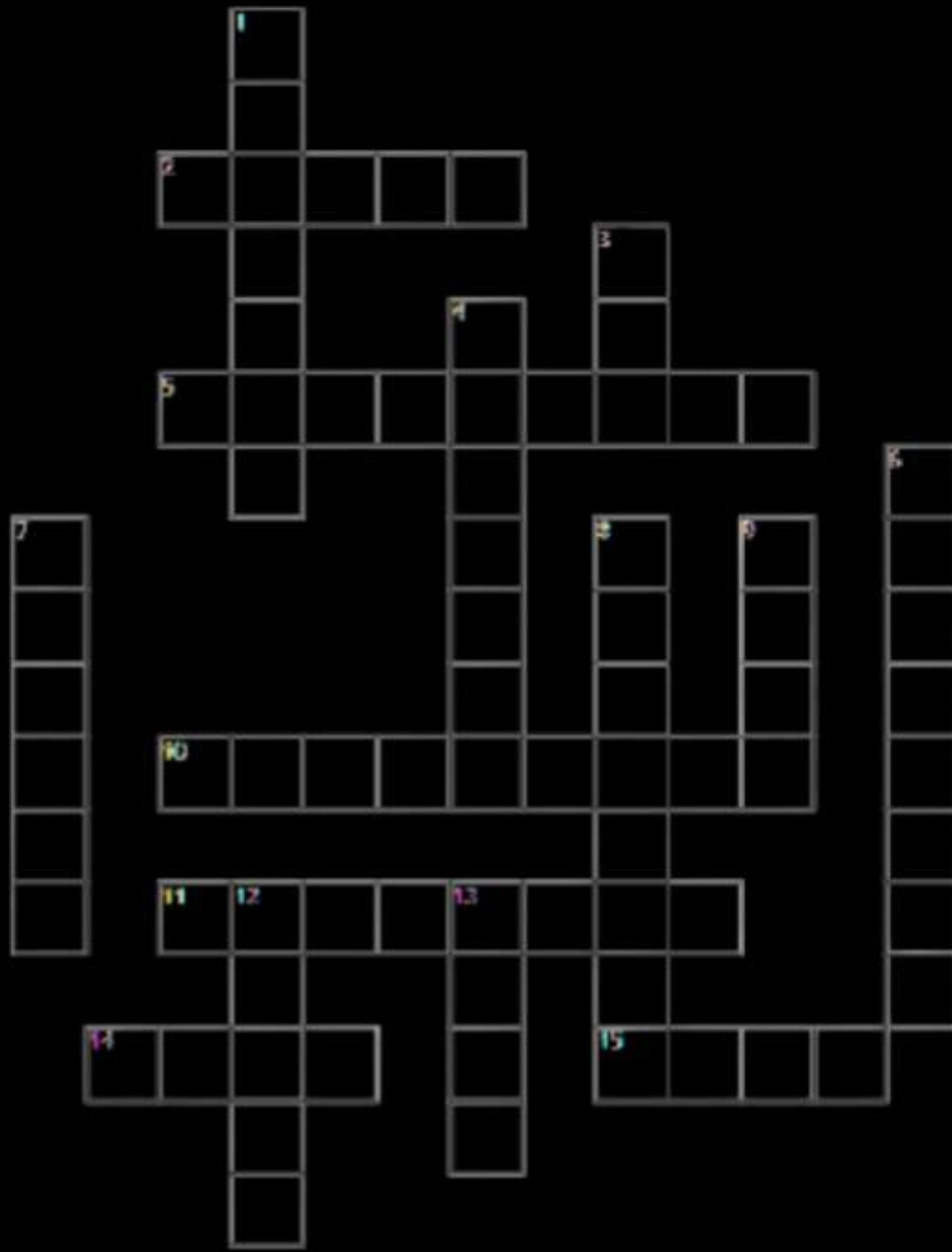
FUN CORNER
CROSSWORD

Across

2. A device that feeds data into a computer, such as a keyboard or mouse.

5. The exclusive right, as recognized separately in each country, to publish and sell literary, artistic, or musical materials.

10. A software system that links topics on the screen to related information and graphics, which are typically accessed by a point-and-click method.

11. Copy (data) from one computer system to another, typically over the Internet.

14. Usually consists of eight bits.

15. A measure of the amount of computational work that a computer system performs.

Down

1. Usually comprises the display device, circuitry, casing, and power supply.

3. An error, flaw, failure, or fault in a computer program or system that causes it to produce an incorrect or unexpected result or to behave in unintended ways.

4. A client software program that runs against a Web server or other Internet server and enables a user to navigate the World Wide Web (WWW) to access and display data.

6. The collection of physical parts of a computer system.

7. Sending an email, posting photos on a social media site and using your webcam.

8. A part of a computer system or network that is designed to block unauthorized access while permitting outward communication.

9. The combination of typeface and other qualities, such as size, pitch, and spacing.

12. Any computer-generated information displayed on screen, printed on paper or in machine readable form, such as disk and tape.

13. A word or group of words that act as a way to cross reference to other documents or files on the computer.

ANSWER : Monitor, Input,Bug, Browser, Copyright, Hardware, Upload,Firewall, Font, Hypertext, Download, Output, Link, Byte, Load

QUIZ

1. What does a Geiger Counter measure?
2. Which prestigious university did Microsoft founder Bill Gates drop out of?
3. What year did the first Apple iPhone launch?
4. Created in 1990, what was the name of the first internet search engine?
5. Was electronics company Nintendo founded in 1889, 1946 or 1975?
6. In what year was the first transatlantic radio broadcast?
7. What does the term LASER stand for?
8. What does LG stand for in LG Electronics?

Answers:

1. Radiation 2. Harvard 3. 2007 4. Archie 5. 1889 6. 1901 7. Light Amplification by Stimulated Emission of Radiation 8. Lucky-Goldstars

MEET THE TEAM

Mr. Wilson Rao
Editor in Chief

Niharika Rawat
Writer

Chaahna Chandiramani
Writer

Asnim Taufik
Writer

Ayesha Mohamed
Designer

Sakshi Rokade
Designer

Daryl Davies
Designer

Akanksha Kumawat
Designer

FIza Sheikh
Writer

Rhythm Shah
Designer

Akhil Nair
Designer

Nabeel Siddiqui
Designer

Darshit Jain
Designer