



HSNC UNIVERSITY, MUMBAI
KISHINCHAND CHELLARAM COLLEGE



Ignite

IGNITE CLUB
OF

DEPARTMENT OF INFORMATION TECHNOLOGY

SPARK FORWARD

IT MAGAZINE VOLUME I MARCH 2023

A Path towards Transformation....

"Technology is a key to progress and success. It's the engine that drives innovation, competition and economic growth" -Bill Gates

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Innovation is best when it sparks creativity

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FROM THE DESK



DR.(PROF). HEMLATA K. BAGLA
VICE CHANCELLOR,
HSNC UNIVERSITY, MUMBAI

The IT department of KC College has been conducting many informative sessions on the current trends such as Cyber Security , Cloud Computing , IPR, Robotics, VR, etc. Adding another feather to its cap, it is releasing its first edition of annual IT magazine, giving the students a platform to showcase their thoughts, ideas, talents and innovation . This magazine aims to encourage the creative and imaginative minds of our students, providing them with an opportunity to explore and excel . We are excited to see what our students have in store for us and are proud to showcase their work in this magazine.



DR. TEJASHREE V. SHANBHAG
I/C PRINCIPAL
K.C. COLLEGE

I am immensely proud of the hard work and dedication put forth by our faculties, staff, and students of IT Department. The release of "SPARK FORWARD" is a testament to their outstanding achievements and I am thrilled to share their various literary endeavours, articles , accomplishments and much more with the wider community. I believe that this magazine serves as a reflection of the quality of education and the passion for learning that exists within the IT Department . I look forward to seeing the future endeavors our talented individuals undertake .



DR. RAKHI O. GUPTA
HEAD OF DEPARTMENT
(INFORMATION TECHNOLOGY)

As the Head of the Department, I am proud to be part of this inaugural launch . Publication of IT magazine is an excellent initiative by our students. The magazine is a student-initiated endeavor that covers a wide range of topics related to technology, including , quantum computing, artificial intelligence, and more. With engaging articles, the magazine aims to inform and inspire readers to explore the digital and abstract world . The magazine is a platform for students to showcase their technical prowess and creativity.

ABOUT DEPARTMENT

The Department of Information Technology (IT) at K.C. College is a dynamic and innovative learning hub, which is dedicated to providing students with a rigorous, comprehensive educational experience and skills necessary to succeed in today's rapidly changing technology landscape.

Our curriculum covers a range of topics including computer programming, software engineering, web development, database management, system administration, and more. Our IT Program provides students with the technical and theoretical foundations that will help them to become successful IT professionals and pursue a wide range of careers.

Our faculty is composed of experienced professionals and researchers who are passionate about teaching and upgrading their skillsets. Our department is committed to ensure that students have the best learning experience that is both stimulating and supportive, as we believe to stay on the cutting edge of technology and march forward.

OUR PILLARS



DR. RAKHI GUPTA

**HEAD OF DEPARTMENT
(INFORMATION TECHNOLOGY)**



**MRS. PRAGATI
V THAWANI**



**MRS. SANDHYA
BHAVSAR**



**MRS. NEHA
PATEL**



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MS. RUSHDA KHAN
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INSIGHTS

'OUTSTANDING TEACHER' AWARD 21-22

Dr. (Mrs) Rakhi Gupta, HOD of the IT Department, was honored with the 'Outstanding Teacher' Award on 16th Feb '22. The award is an affirmation of her excellence in teaching, significant impact on her students and high level of professionalism.



'PROMISING TEACHER' AWARD 22-23

Ms. Pragati Thawani was honored with the Promising Teacher Award during the 69th Annual Day Function on 3rd Feb '23. The award is a testament to her dedication to her profession and her outstanding contribution to the academic community.

'BEST EMPLOYEE OF THE YEAR' AWARD 20-21

Mr. Swapnil Naidu was honored with the 'Best Employee of the Year' Award in 2021. The award is a validation of his exceptional work ethic, dedication, and commitment. It also highlights the crucial role that he plays in ensuring the smooth running of the department.



SYSTEMATIC CHAOS

Systematic chaos is our annual cultural intercollegiate festival of the IT department, an honoured legacy. It took place on 11th-12th January 2023. The festival provides futuristic technical training and instilled patterns of high discipline, making participants technologically superior and ethically strong. The festival provided an exciting, competitive environment and a creative outlet for participants and audiences alike.

INAUGURATION OF ignITe CLUB

The inauguration of ignITe club was on 30th September 2022, and was a highly anticipated event among the students and faculties. This club comprises of students from different classes as Heads and Co-Heads. The club aims to promote computer cultural and technical skills among students, with the ultimate goal of creating a blend of tech-savvy and cultural enthusiasts.



INSIGHTS



Second Podium at 'UNICORN' Fest

On 3rd Feb '23, students of B.Voc (WT) and B.Sc IT managed to clinch the third-place position with their impressive performance at Hinduja College intercollegiate fest 'UNICORN'. The festival spanned over 2 days, 2nd-3rd Feb, '23

PLACEMENT DRIVE

A placement drive was organised on 7th Feb 2023 and 16th March 2023 for the students of TYBSCIT and MScIT. Mumbai based companies named eClinicalworks, dealing in healthcareIT and providing Electronic Health Record(EHR), and Optimum Financial Solutions Pvt. Ltd. dealing with financial technologies, had come recruitment.



INDUSTRIAL VISIT

The Department of IT had organized an Industrial Visit to Jaipur, for the students of B.Sc.IT During the industrial visit, the students of IT Department had the opportunity to visit two industries, Saras and Compucom. In addition to the industrial visit, they also explored forts, temples, and safari. The diverse experiences allowed them to gain a better understanding of the local culture and economy.

CONVOCATION CEREMONY

The first convocation ceremony under HSNC University was conducted for the M.Sc IT batch of 2023 on 11th February 2023. The ceremony was presided by Shri Bhagat Singh Koshyari along with the eminent chief guest Dr. R.A Mashelkar,FRS



Seminars Organised

- Session on 'Project Management' by Mr. Sharad Chaturvedi, General Manager, Head of Digital CoE at ITC Infotech on 30th July, 2022.
- Session on 'Study abroad opportunity in Australia, Canada, UK, USA' by Mr. Girish Menon, on 15th Sept, 2022.
- Lecture series on 'No SQL DB' from 17th Oct – 20th Oct, 2022 by Mr. Kaushal Shah, Senior Manager, PI Industry Ltd.
- Lecture series on 'Linux Administration' from 17th Oct – 20th Oct, 2022 by Ms. Sana Khan', visiting Lecturer.
- Alumni series from 18th Oct-20th Oct, 2022, by Mr. Hiten Damania, Head Development -Pi-Tech ltd, Ms. Kimberly moniz - App Developer, Mr. Sagar Mehta – Sr. IT faculty, N.K College.
- Mr. Kaushal Shah, a Senior Manager at PI INDUSTRIES, Conducted a session on Google Data Studio on 1st March as part of Sci-Code '23 for the students of SYBScIT where he explained the importance of data visualization in today's digital world. He demonstrated how to create compelling and informative dashboards using Google Data Studio, which can help students analyze data and make informed decisions.

Student Progression

- IT Department Training and Placement Officer Mrs. Neha Patel takes immense efforts in pro active placement activity.
- Students were placed in various companies like Infosys, Capgemini, L&T, TCS, J.P Morgan, Wipro, Atos Syntel, Pi-Techniques, Aufklaren, Nokia Here, Sliverlink Technologies, Endurance International Group, Equitec etc.

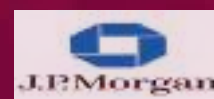
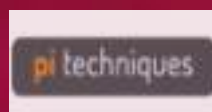
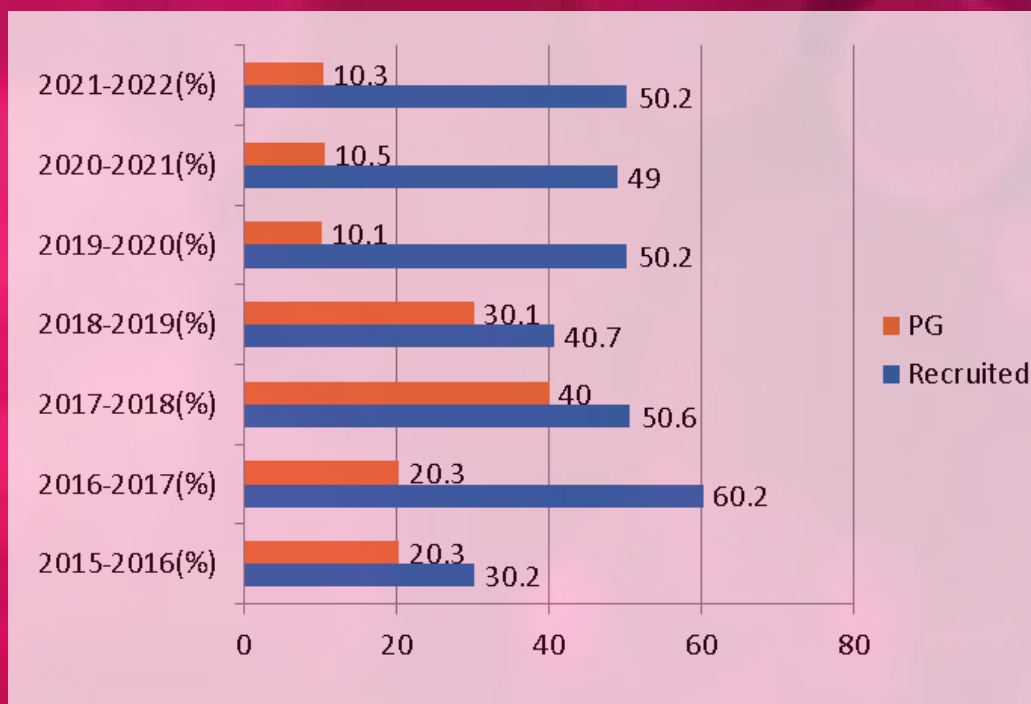


TABLE OF CONTENT

13

Dr. Rakhi Gupta

Connecting the I and E in the Q

14

Mrs. Pragati Vishal Thawani

Role of Artificial Intelligence & Machine Learning in Genomics

15

Mrs. Neha Patel

Healthy Brains, Happy we!!

16

Arya Sadvilkar

Building of a Dream

17

Anvit Maldikar

My Rotaract Journey

18

Kinjal Jaiswal

The Programmer's Song

18

Piyush Chandwani

5G : Enabling the Connected World

19

Parth Raja

Neuralink: Unlocking the Brain

20

Rushda Khan

The Great Debate: Can ChatGPT Replace Teachers?

21

Ayyan Pathan

MidJourney: A Game Changer in Digital Art

TABLE OF CONTENT

- 22** Shreya Dhoke
Is hyper automation our future?
-
- 23** Henil Shah
Importance of learning Digital Marketing
-
- 24** Anushka Baraskar
Quantum Computer: Achieving the Unachievable
-
- 25** Prem Patil
Tech In War
-
- 26** Birendra Yadav
Information Technology and Young Generation
-
- 27** Soham Kelkar
INDO INFO-TECH Bonanza
-
- 28** Mohit Khetwani
E-Gaming Growth in India
-
- 29** Mohsin Saify
Cloud Computing a Green Technology
-
- 30** Mohini Vora and Insiya Arsiwala
Tech Puzzle and MCQ's
-

Connecting the I and E in the Q

There is an ongoing debate about importance of both Intelligence and Emotional Quotient in the technology Sector . Emotional Intelligence is managing feelings so they are expressed effectively in the right context , enabling people to work in harmony . It also fosters traits such as assertiveness, optimism, independence, flexibility, social responsibility which can be predictors of 21st century high potential leadership .



The heartening news is that for most students IQ is a cognitive measure, whereas EI can be learned, developed and improved. By integrating these factors, students can acquire a well-rounded model for achieving success both academically , technically and in the workplace . In our curriculum , hence there is special emphasis and sensitivity in creating awareness on importance of Soft skills . An all round technocrat needs to have flexible mindset, mental wellness, mindfulness, developing a strong personal brand and conquering time management. Unfortunately the two long years of Covid has reset the clock of numerous students to a great extent . Hence the need of the hour is to integrate these factors, for students to acquire a well-rounded model for achieving success both academically and professionally.



DR. RAKHI GUPTA
HEAD OF DEPARTMENT
(INFORMATION TECHNOLOGY)

Role of Artificial Intelligence & Machine Learning in Genomics

The genome society generates a series of data sets that can be used to discover, study and develop new treatments on a global scale. Genómica AI can be used for several omics studies, such as transcription marks. Currently, health care companies use AI in combination with HEOR (Health Economics Research). The technology is used to identify harmful genes and treat genetic disease. Data analysis with AI can make this process more efficient and accurate and fast.

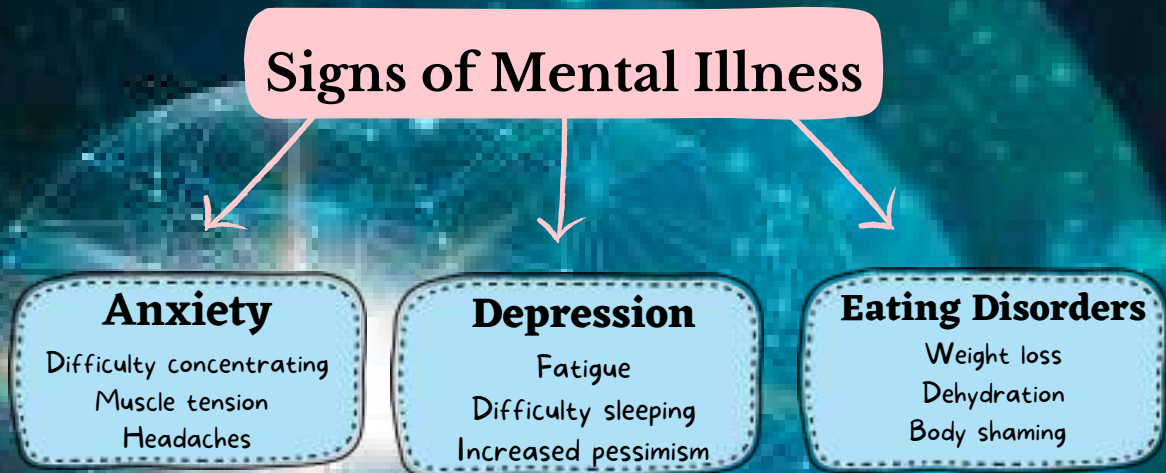
Advanced machine learning algorithms have the ability to compare various levels of gene expression in samples of normal and malignant tissues from cancer patients, but depending on that, it predicted to find what gene is mutated in the patient's DNA can be done. Then a Big data analytics can be used to compare the patient's genotype which gene is transferred to these phenotype and how the gene is expressed in one's life.



Mrs. Pragati Vishal Thawani
Assistant Professor,
Department of Information Technology.

HEALTHY BRAINS, HAPPY WE!!

Good mental health can help students develop and maintain strong relationships with others and an overall sense of contentment. It also allows them to deal with life's challenges and stressors in their diurnal lives. Good mental health is essential for students to achieve their full potential academically, socially, and emotionally.



6 ways to overcome mental health problems:

- Revive. Come out of it.
- Learn to understand and manage your feelings
- Talk to someone you trust for support
- Know the risks of using drugs and/or alcohol to cope with difficult feelings
- Keep moving
- Plan things to look forward to

"You are a very valuable asset to your parents. You have a responsibility towards them. Your life, and the quality of life you lead, are of great importance to them. There is ALWAYS help available, through various channels, just identify them, follow what suits You, and come out of it. That is the best thing, will do for yourself"



Mrs. Neha Patel
Assistant Professor,
Department of Information
Technology.

BUILDING OF A DREAM

"NSS HAS GIVEN ME MANY THINGS WHICH I COULD NOT HAVE ACHIEVED ON MY OWN"

Avhaan 2022 was the first big opportunity I received from NSS. It was a 10 Day Disaster Management Camp held at Jalgaon for which 4 Volunteers including me from HSNC University were selected and they represented Maharashtra State. It was a great experience as the camp was led by NDRF and the seminars and practical sessions were conducted by Officers of NDRF.



The title of certified MFR (Medical First Responder) was provided after attending all 10 Days of training.

Another once in a lifetime opportunity was provided to me when I was selected for National Youth Pravasi Bhartiya Divas (NYPBD).

This program was conducted in Indore, Madhya Pradesh.

It was an international expo where we got an opportunity to interact with Influential NRI's and know about their journey. I represented NSS Maharashtra and it was a really great experience.



Mr. Arya Sadvilkar
S.Y BSc I.T

MY ROTARACT JOURNEY

My Rotaract journey began in July '22 when for the first time I heard about a Rotaract club during our college orientation. The Rotaract club of KC College won my heart during the orientation and I applied to become a member just after the orientation ended. All applicants were interviewed in order to become a General Body Member(GBM) of the Club.

I still remember that when I got the news of getting selected as a GBM in Rotaract, it was the happiest day in the whole month. From being a GBM and attending events to becoming an Organising member for club projects, it has been a wonderful journey. I will always be grateful for the club as it has helped me outcast my hidden talents, strengths and weaknesses too.

Everyone within the Club hierarchy has a jewel of heart. Everyone is so welcoming. Becoming a Sports Coordinator is one of the best things which has ever happened to me.



After becoming a coordinator, I have organized many events. My most favourite event was organising a paintball event. No one ever in the history of Rotract had ever organised such an event. The event was very successful and everyone - members of the club and outsiders too, were very happy to be a part of this event.



Mr. Anvit Maldikar
F.Y BSC I.T

THE PROGRAMMER'S SONG

*My machine reads in code,
It's all so cryptic and
strange.*

*I'm typing in commands,
As I try to make them all
change.*

*I'm debugging and running,
My fingers are so sore,
I'm hoping my program
Will run and nothing more.*

*My hands are so achy
My mind's in a fog
As I stare at my screen,
I'm wondering how long,
But I'm determined and
brave,*

*And I can't give in
So, I'll keep writing code
Until I win!*



Ms. Kinjal Jaiswal
M.SC I.T Pt. II

5G : ENABLING THE CONNECTED WORLD

The future depends on connectivity. From artificial intelligence and tone-driving buses, to telemedicine and mixed reality, to as yet undreamed technologies, all the effects we hope will make our life easier, safe, and healthy. The 5G enables a new kind of network that's designed to connect nearly everyone and everything including machines, objects, etc. All cellular networks shoot decoded data through radio swells. Radio swells have different frequentness and are divided into bands.

In the period of mobile broadband & now 5G which is designed to give further connectivity than was ever available, 5G is unified more able air interface. It has been designed with an extended capacity to enables the coming generation better experience, empower new deployment models and deliver new services.

How fast is 5G? A 5G is designed to deliver peak data rates up to 20 Gbps grounded on Imt- 2020 requirements. Qualcomm Technologies flagship 5G result the Qualcomm snapdragon X65 is designed to achieve up to 10 Gbps in download peak data rates. As 5G continues to expand and evolve we can expect more applications and uses from it soon.



Mr. Piyush Chandwani
F.Y BSc I.T

NEURALINK: UNLOCKING THE BRAIN

“When I Was In College, I Wanted To Be Involved In Things That Would Change The World” -Elon Musk.

As Per An AI, Elon Musk Is An ‘Controversial Personality’. Well, It’s Not the case and we are also not here to discuss the same. Elon has always been in a business that helps Human Kind in any possible way. The latest example would be the controversial \$44B ‘Twitter Deal’ which had only the motive of “Freedom Of Speech”.

Now let’s talk about his footprint in “NEUROTECHNOLOGY” -(Use Of Engineering And Principles to understand And Interact with the Nervous System).

A few Years Back, a video of a Monkey Playing a Video Game On a desktop Went Viral. Everyone was shocked and amazed. Well, that was the “NEURALINK”, a Brain-Computer Interface (BCI) chip that is about the size of a Coin.

This neural implant allows Humans To Directly communicate with the computer. It is not only about communication, but also about people living with disabilities. This coin-sized chip can completely restore the vision of Blind People,



Mr. Parth Raja
F.Y BSc I.T



help the paralyzed person control their artificial prosthetic/robotic limbs directly with their brains and even help to talk and walk. This device has been already tested on Monkeys And The Company is waiting for FDA approval which is told to be approved within 6 months.

This device is surgically implanted into the brain using Automated Neurosurgery with the help of a robotic system specifically designed for this.

Neuralink has the potential to change the life of millions of people. It is the new era of Hope and Possibilities.

THE GREAT DEBATE: CAN CHATGPT REPLACE TEACHERS?

ChatGPT can find a solution on various topics. Recently, ChatGPT gained immense popularity amongst students as it comes up with anything you ask for in a wink of an eye. These days students are completing all their work using ChatGPT.



Since ChatGPT has an answer for almost every question, a debate arises here Can ChatGPT Replace Teachers? When we talk about teachers, they are someone who is a professional in their field. So let's dive into the lacunas of ChatGPT with respect to professionals.

- Teachers can emotionally support students which ChatGPT lacks.
- Certain aspects of teaching require a human touch, such as building relationships with students and adapting to individual learning styles that an AI model cannot offer.
- Though ChatGPT can make your life easy, it makes you lazy and passive.

To conclude, teachers can assess and evaluate students' progress and provide feedback in academic performance as well as emotional and social development. This personalized approach is complex to replicate using ChatGPT.

"All these grounds are clear enough to say that Teachers are crucial in every way and hence ChatGPT can never replace them"



Ms. Rushda Khan

F.Y BSc I.T

MIDJOURNEY: A GAME CHANGER IN DIGITAL ART

What is MidJourney?

An AI-based programme Discord Bot that generate pictures based on language prompts in Discord. Images that are closely related to the specified text prompt are generated using a deep learning algorithm. The bot can be used for many different things, such as making memes and producing story pictures.

So How to Experience it?

Step 1

Set up a discord account & download the discord

Step 2

Head to the Mid Journey website and click on "Join the beta." This will take you to a Discord invite.

Step 3

Accept the Discord invite to MidJourney and head to the "Newcomer rooms" and select one to begin.

Step 4

When you're ready, type "/imagine" in the Discord chat. This will open a prompt field where you can describe the image you want the AI to generate.



Remember that you may only make 25 free photos during the free trial period.



Mr. Ayyan Pathan
S.Y BSc I.T

IS HYPER AUTOMATION OUR FUTURE?

Automation is a small scale idea that all work is done by technology or machines, with no or little interference from humans. Hyper automation is a notion in which the entire process is automated on big scale using a variety of technologies, such as robotic process automation, artificial intelligence, machine learning, and so forth.

Hyper automation has been attempted by numerous businesses when creating their products to quickly increase product quality. Hyper automation can be used to complete complex processes.

FEW ATTEMPTS:

Tesla attempted to create one of its models utilising hyper automation, in which machines completed every work without human assistance, but it failed because robots were unable to verify whether the car's thread was straight or whether the bolts were properly installed. Such issues are detectable by people.

Hyper automation may help to improve the quality of processing while building products, on the other hand it may lack the human touch of product as well as human.



Ms. Shreya Dhoke
S.Y BSc I.T

IMPORTANCE OF LEARNING DIGITAL MARKETING

The 21st century is known as a technical era. People have become dependent on technology too much. Nowadays businesses, workplaces, entertainment all the necessary parts of life are conducted online.

Digital marketing is a fast growing industry & a course that teaches you to operate and make advertisements and websites that are very convenient for potential customers to use.

Learning digital marketing opens up you to wider and larger opportunities in the corporate world and also in your own business.

Digital marketers can profit greatly from social media marketing platforms, for instance. Consider Facebook, which sees about 2 billion users per month.



Millions of people use other social media platforms all across the world as well.

Email marketing is used by businesses for both outbound and inbound marketing. Additionally, they produce email newsletters to convert followers into paying consumers.

Not only does digital marketing help reach potential customers but it is also a symbol of being known to the technology as well. Coping with technology is an important part of a successful business, hence digital marketing is essential.

Digital marketing is not rocket science and can be easily done and boost your sales and earn higher.

Courses are available for short and long periods at reasonable costs. Being known for the trend of digital marketing will only do you good.



Mr. Henil Shah
F.Y BSc I.T



QUANTUM COMPUTER: ACHIEVING THE UNACHIEVABLE



“The impact of quantum computing is going to be more profound than any technology to date,”

-Jeremy O'Brien, the C.E.O. of the startup PsiQuantum

Unlike classical computers which speak in the language of bits (zero and one), Quantum computers make use of Qubits which have the capacity of not only taking the value zero or one but also complex combinations of the two, which makes Qubits exponentially more powerful than bits.

A fully-working quantum computer has the capacity to crack our current encryption protocols. We are all aware of the fact that most of our online communications like financial transactions and text messages are protected by cryptographic key which a conventional computer would take years to crack but a fully-functional quantum computer could do so in less than a day. And this is only the beginning of what's to come.

The potential applications of quantum computing cover a vast area including fields like cryptography, drug discovery, financial modelling etc. It has the capacity to tackle complex tasks which classical computers cannot solve.

Whether or not quantum computing may live up to all its hype, the possible implications this technology can have on national security of the country and technological leadership has propelled US and China into this race.

This race to build a quantum computer has attracted other geniuses as well just like any other scientific problem on the planet. Intel, IBM, Microsoft and Amazon have also started working on building a quantum computer. The winner of this race will definitely have huge impact on the world and technology as we know it.



Ms. Anushka Baraskar
F.Y BSc I.T

TECH IN WAR



Russia's invasion of Ukraine set off the worst major military war in Europe since World War II months ago. Emerging technologies have seen an extraordinary level of innovation and scaling up in recent decades. Several forecasts have been made

regarding how new technologies would function and perform on a future battlefield. The worst thing is that they are proud to talk about how destructive their weapons are.

These are the Russian hypersonic missiles. According to the BBC, Kinzhal, which is Russian for "dagger," was launched from the air, most likely by a MiG-31 fighter jet. Hypersonic missiles have a maximum speed of Mach 5, or more than five times the speed of sound. The range of Kinzhal, according to Russia, is 2,000 kilometres. The missile measures 8 meters in length. This was just one of several such advanced rockets, explosives, and other weapons.

The conclusion from this is that while technology is for the benefit of humanity, we should utilize it responsibly and intelligently because having access to anything can be dangerous.

In a speech Michelle Bachelet, the head of the U.N.'s human rights office, stated that "the majority of civilian casualties were caused by the use of heavy artillery, multi-launch rocket systems, and air strikes in populated areas, with concerning reports of use of cluster munitions striking civilian targets". She made no mention of whose side might have employed them.



Mr. Prem Patil
F.Y BSc I.T

INFORMATION TECHNOLOGY AND YOUNG GENERATION

The use of information technology has given students new chances to learn while boosting their creativity, enjoyment, and job prospects both domestically and internationally. Information technology has proved to be a boom for teenagers. Everything is available online. Teenagers can use the internet for the study and collection of data. A lot of educational websites are available on the internet which provides quality education to student. Modern technology is also having a significant negative impact on the younger generation.

The development of social skills is the main objective of education. i.e., communication and social interaction. However, due to the overuse of modern technologies, the younger generation is reluctant to interact with others in person outside of the home. They merely want to have fun, so instead of doing anything else they play video games, watch movies, browse social media, etc. Some people use technology to harass or bully others. Modern technology is having both positive and negative effects on the younger generation. They will suffer if they continue to use technology, but they will gain if they use it sparingly.

TECHNOLOGY AFFECTING THE YOUNGER GENERATION

Positive effects of technology on today's youth	Negative effects of technology on today's youth
1) Technology enhances your creativity	1) Addiction to using technology
2) Technology has improved the efficient learning proces	2) People are dependent on technology
3) Technology has improved decision making skill	3) Modern technology is wasting time of the people



Mr. Birendra Yadav
F.Y BSc I.T

INDO INFO-TECH Bonanza

Mumbai: Pandemic era made the World Economy hopeless & deglobalized in every sector. The only sector which made it's way was the service sector.

Of these, the largest industry is Software industry which we often call as IT industry. India is one of the world's largest IT giant, a Major IT exporter that is primarily achieved due to Outsourcing for Western companies which is cost effective for the MNC's due to cheap Indian labour which may decrease as the Indian per capita may increase.

Today, IT Companies from across the world consider India as low cost but efficient and hard working workforce which they achieve by having same work done in cheap cost which making them launch their products at very low cost in the market. Not just the MNC's but



also the MSME's and startups are playing a huge role in creating jobs.

International labour organization recently reported that service sector contributes around 53% in India's Gross Value Addition. Tata Communication services & TCS ranked among the top 10 IT companies. As per Brand Finance, TCS is World's 2nd most Valuable IT Services.

Today Graduate Indian students are recruited not just by Leading Indian MNC's but also by Foreign MNC's like Amazon, Paypal, Google, Microsoft, Meta, etc. Indian government is working towards making an Indian IT exports worth \$1 TRILLION in coming decade.



Mr. Soham Kelkar
S.Y BVoc (WT)

E-Gaming Growth in India

E-gaming has gained significant popularity in India in recent years. With the rise of affordable internet and smartphones, the gaming industry in India has witnessed significant growth.

The advent of online multiplayer games such as BGMI Or PUBG, Free Fire, and Call of Duty has sparked the interest of young Indians, who are now spending more time playing video games.

This has also led to the emergence of e-sports tournaments, where gamers can compete against each other and win prizes. Not Just Multiplayer Games Only But PlayStations Are Also In Trend. Games Like GTA V, Spiderman, And God Of War Ragnarok Having It's Own Player Base.



The COVID-19 pandemic has further fueled the growth of e-gaming in India, as people were confined to their homes and turned to video games as a source of entertainment.

With more and more people looking for ways to connect with others while staying socially distant, online gaming has become a preferred form of socialization. Many Youtubers Made Their Career From Gaming They Became The Gaming Streamers On YouTube.



Mr. Mohit Khetwani
F.Y BSc I.T

Cloud Computing a Green Technology

Cloud computing can be considered a green technology because it allows companies to optimize the energy consumption and reduce their carbon footprint. Cloud service providers use energy-efficient data centers equipped with advanced cooling systems that consume less energy than traditional data centers.

Additionally, cloud computing enables businesses to reduce hardware requirements, thereby reducing electronic waste and environmental impact.

In addition, cloud computing allows businesses to flexibly expand or shrink their computing resources as needed, reducing the need to maintain idle servers. This results in a significant reduction in energy consumption and carbon emissions. Cloud computing also supports remote working and collaboration, reducing travel and transportation requirements, further reducing the environmental impact of business operations.

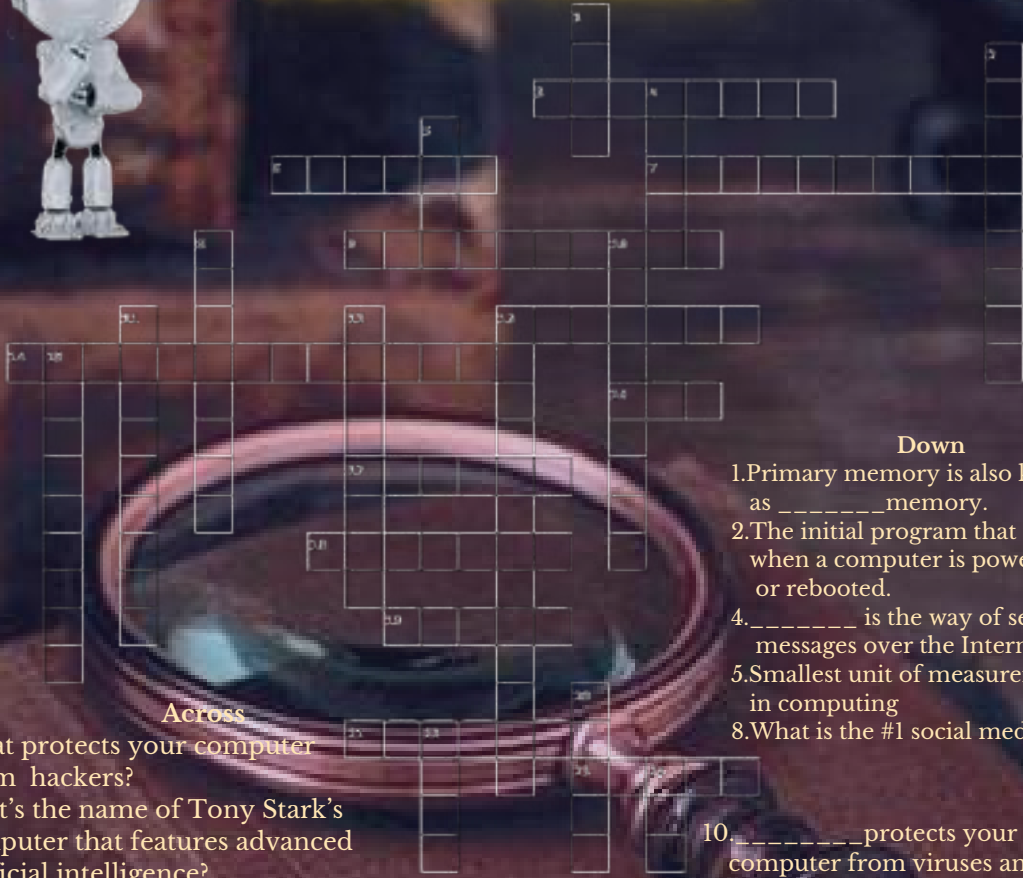
Finally, cloud computing offers a range of benefits that make it a green technology, including energy efficiency, reduced hardware requirements and the ability to work remotely. By taking advantage of cloud computing, businesses can contribute to a more sustainable future.



Mr. Mohsin Saify
F.Y BSc I.T



Tech Puzzle

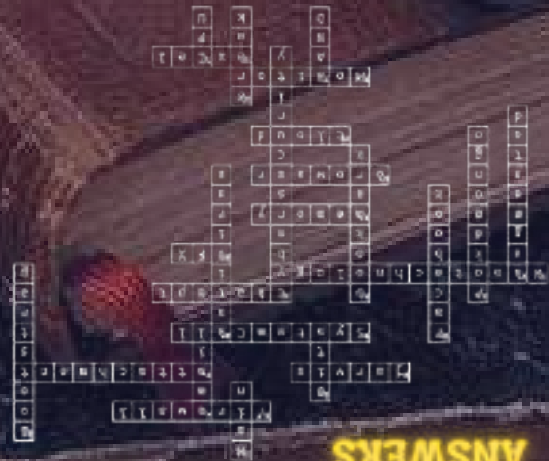


Across

- 3. What protects your computer from hackers?
- 6. What's the name of Tony Stark's computer that features advanced artificial intelligence?
- 7. What is a document sent with an email message called?
- 9. An interrupt triggered by a software.
- 13. A chat-bot developed by open AI and launched in November 2022
- 14. What technology was used in avengers endgame?
- 16. Which technology is used in Brahmastra movie?
- 17. What is temporarily stored on your computer?
- 18. A software program that allows you to surf the web.
- 19. _____ computing is the delivery of computing services, including servers, storage, databases, networking, software, analytics, and intelligence over the Internet ("the cloud") to offer faster innovation, flexible resources, and economies of scale.
- 21. Visual display unit is also called _____.
- 23. An incredibly powerful tool used to get meaning out of vast amounts of data

Down

- 1. Primary memory is also known as _____ memory.
- 2. The initial program that runs when a computer is powered up or rebooted.
- 4. _____ is the way of sending messages over the Internet.
- 5. Smallest unit of measurement in computing
- 8. What is the #1 social media app?
- 10. _____ protects your computer from viruses and hackers
- 11. Give one example of a game that used Unity and C#
- 12. _____ hyperlink is a saved link to a particular web page.



ANSWERS

MCQ's

- 1 ___ invites Indian tech professionals during global layoff season
A. Finland B. Australia
C. New Zealand D. USA
- 2 ___'s Live Aid performance at Wembley in 1985 is one of the greatest live performances of all time.
A. David Bowie B. Madonna
C. Queen D. Elton John
- 3 Kerala signed an MoU with which country for the 'Cosmos Malabaricus project'?
A. Russia B. The Netherlands
C. Italy D. Denmark
- 4 This Netflix show is inspired by true events.
A. Wednesday B. Narcos
C. Stranger Things D. Mismatched
- 5 India signed a MoU on International Solar Alliance (ISA) with which country?
A. Chile B. Brazil
C. Argentina D. Hungary
- 6 Which country won the FIFA World Cup 2023?
A. France B. Argentina
C. Croatia D. Portugal
- 7 What iconic company did Steve Jobs start?
A. Amazon B. Microsoft
C. Apple D. Twitter
- 8 Which organisation has partnered with NITI Aayog to use AI, IoT, Blockchain and Drones to support small and marginal farmers?
A. World Bank B. WEF
C. IMF D. ADB
- 9 This city's canals have dried up due to global warming.
A. Venice B. Hamburg
C. Giethoorn D. Bruges
- 10 Which institution announced that students can pursue two full-time academic programmes?
A. AICTE B. UGC
C. NTA D. IMA
- 11 _____ performed at Super Bowl 2022.
A. Rihanna
B. Shakira, Jennifer Lopez
C. The weekend
D. Eminem, Kendrick Lamar



Ms. Mohini Vora
F.Y.B.SC I.T



Ms. Insiya Arsiwala
F.Y.B.SC I.T

Lamar
UGC, 11. Eminem & Kendrick
Apple, 8. WEF, 9. Venice, 10.
Hungary, 6. Argentina, 7.
Netherlands, 4. Narcos, 5.
1. Finland, 2. Queen, 3. The

ANSWERS



Asita Pathak, TY BScIT
Best NSS Female Volunteer



Shubham Kale, MScIT
YMCA annual Interclub Swimming
gala- 2023



Arya Sadvilkar, SY BScIT
Best NSS Volunteer



Sejal Gotam, SY BScIT
K.C Football team, Won the
MMK tournament held at
Bandra.



Prasad Labade, SY BScIT
Aapda Mitra training organized by
S.D.R.F at city Institute of Disaster
Management.



Prem Patil, FY BSc IT
2nd place in Kabbadi inter
college in Kshitij fest



Shreya Chowdhary, TY BScIT
First prize in Avishkar Research
Convention



Hrshikesh Koli, TY BScIT
1st Podium in Band Event
at ISDI College



Gold medal in Tug of War
(Boys) at Annual Sports Meet



Jay Nishar, TY BScIT
Won 1st Podium at ISDI
School of Design and
Innovation



Owais Shaikh, TY BScIT
Principal's Best Choice of Excellence



Manan Jain, TY BScIT
Won 1st place at poetry
writing event at ISDI
College

Department Of Information Technology

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