

PATRONS



Fr. Saturino Almeida

Managing Director



Dr. S. M. Khot Principal

INSTITUTE VISION ·

To evolve and flourish as a progressive centre for modern technical education, stirring creativity in every student leading to self-sustainable professionals, through holistic development; nurtured by strength and legitimate pride of Indian values and ethics.

INSTITUTE MISSION

- To provide industry oriented quality education.
- To provide holistic environment for overall personal development.
- To foster relationship with other institute of repute, alumni and industry.

DEPARTMENT OF INFORMATION TECHNOLOGY

DEPARTMENT VISION

To become a leading center of excellence for quality education, advance research and development in the field of information technology for self-sustaining professionals

DEPARTMENT MISSION

- To provide industry oriented quality education and training to student related to cutting edge technologies in the field of information technology.
- To promote multidisciplinary activities that inspires students to serve society through innovative applications.
- To promote entrepreneurship skills in students with overall personality development.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- Graduates will be able to adapt technological changes in the field of information technology.
- Graduates will be able to excel in higher education and professional career.
- Graduates will be able to demonstrate multidisciplinary and entrepreneurial skills.

PROGRAM SPECIFIC OBJECTIVES (PSOs)

- Graduates will be able to adapt to the technological advancements in the field of Artificial Intelligence and Data Science.
- Graduates will be able to develop research strategy in the domain of Internet of Things and Security.



HOP'S MESSAGE

Dr. Vaishali Bodade

With knowledge, one may find solutions to issues that affect them, their environment, and all living things. There are countless instances of how information has enabled different discoveries, such as the light bulb, flying, cure for various illnesses, and technical breakthroughs in all sectors. Certain changes are necessary in the rapidly growing world, and the Department of Information Technology strives to prepare students by teaching them to be adaptable.

Our department works to improve students' critical thinking skills, their capacity to turn information into knowledge, and the strength of their information analysis. The students concentrate on using their conceptual grasp of computer science fundamentals as well as their improved programming skills to spread their analytical capabilities.

Through successful Industry-Institute Interaction, we hope to provide our students with the leadership and lifelong learning skills they need to develop in their careers and assume positions of responsibility. Students are placed in major software firms throughout the world because of the Department's stellar placement record.

The CSI student's division is actively planning events to bridge the gap between industry and academics. Students not only participate but also organize these activities, which helps them develop crucial skills like cooperation, communication, and teamwork. Our yearly activities, such as AITSS and Infobits, provide our students with the opportunity to work with peers from different institutions fostering a feeling of community.

The management, talented staff, and a productive student body have all worked together to make the department successful. The department is working hard to create an IT curriculum that is the ideal blend of theory, practical, and application.

EDITOR'S NOTE

by Yash Chiddarwar

In the past few years, with the advent of new technologies such as virtual reality, AI, Cryptocurrency, and Big Data, the face of the new generation of the IT industry has been completely changed.

From virtual marriages on the METAVerse to the legalization of cryptocurrencies in various countries as an official form of transaction commodity, the world is continuously adapting to the various changes that are happening within the IT domain.

Today, we embrace this knowledge of great complexity and try to explore areas in which we as individuals can truly contribute to enhancing, improving, and updating it in every way possible.

One of the major factors contributing to recent development in the domain of IT has been the COVID-19 outbreak, it has truly made us realize the power technology has over us.

We as humans need to evolve with technology in such a way that we learn to co-exist rather than being totally dependent on it for survival

No one could have predicted that knowledge of such high complexity would be understood and comprehended by humans on such a large scale a few years ago! This is exactly the reason why we chose this year's theme to be-Noesis, which means "highest form of knowledge, something eternal in nature" just like the technology that we are experiencing around us today!

DEPARTMENT FACULTY







Prof. Lakshmi Gadhikar Prof. Archana Shirke Dr. Trupti Lotlikar



Prof. Dhanashree Hadsul



Prof. Mukta Nivelkar Prof. Poonam Bari







Prof. Anand Pardeshi Prof. Kalpana Wani Prof. Smita Rukhande

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Prof. Supriya Joshi

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Mr. Shantanu Shukl

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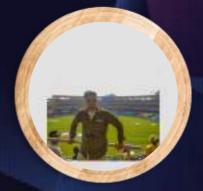


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INDEX

Department Events	12
Faculty Achievements	21
Students Achievements	27
Articles	34
Creative	49
Shayari Corner	52
Photo Gallery	54



AGNEL INFORMATION TECHNOLOGY STUDENT SYMPOSIUM

COMPUTER SOCIETY OF INDIA (CSI - FCRIT)

Computer Society of India is the first and largest body of computer professionals in India. Our college conducts the CSI seminar named TECHNOVATION every year wherein all the students of second year engineering, third year engineering and fourth year engineering participate in various events and sessions conducted by the students of our department who are hands on with various ongoing topics related to programming and software developments.

CSI COMMITTEE 2022



Faculty head Prof. Rupali Deshmukh



President Lisha Kothari



Vice President Tejas Patil



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Food Head Adarsh Jadhav



Documentation Head Ritika Kumari



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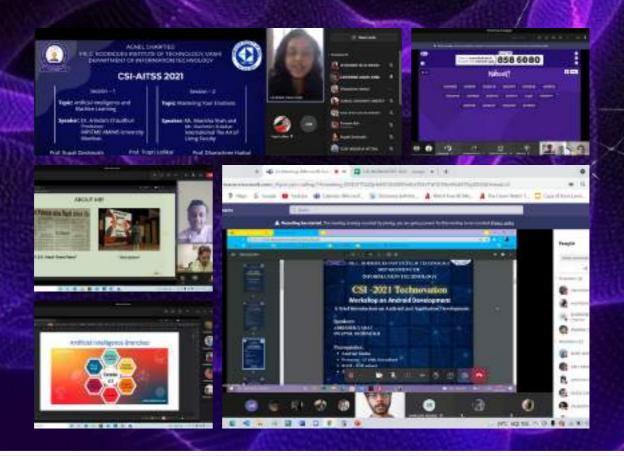


Hospitality Head Hishali Rana

CSI-TECHNOVATION

The Intra Department level technical event "TECHNOVATION 2021" organized by IT department under CSI Student Chapter took place from 29th August to 2nd September. The event was led and executed successfully under the guidance of Prof. Rupali Deshmukh. The Event was a part of one of the various technical and social events organised under CSI every year since its inception. These events are organised every year with the objective to provide platform for the students to showcase their talent with a competitive spirit and for them to gain more knowledge in the field. The event was successful enough to attract as many as 156 students of registrations for each day, making it an event attended by more than a 130 students each day.

The webinars were based on upcoming topics namely Neural Networks, Data Visualization, Android Development, Image Processing and Machine Learning. And the online events that took place were Technical Quiz, Site Maker, Coding Contest. Here, the winners were encouraged with a certificate and The participants were also given certificates as a token of encouragement. The event was a great success due to the contribution from the third-year students and the curiosity of the juniors to learn something new.



CSI-Events

AGNEL CHARITIES'
FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, VASHI
DEPARTMENT OF INFORMATION TECHNOLOGY







INFOBITS 2022



FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY



DEPARTMENT OF INFORMATION TECHNOLOGY



"TECHSPARKS"

INTERCOLLEGIATE PROJECT PRESENTATION COMPETITION



Alumni Meet

Fr. C. Rodrigues Institute of technology arranged the Alumni Meet 2022. Due to onset of COVID-19, the meeting was held in an online mode. Around 180 participants participated in the meet. The Alumni Meet is held every year in order to connect with the alumni of the college and to celebrate their achievements!



PRAP

Plastic-One of the deadliest things for mother nature, is a big problem for today's environment. It takes as much as 1000 years to degrade naturally and during this period it might end up harming various animals in different ecosystems as animals commonly mistake floating plastic as food and eat it which blocks their digestive systems resulting in a painful death. Not only ingestion but also often times animals get entangled in plastic which is a tough material. This results in deep cuts on their skins and in worst cases can also cause excessive blood loss.



Under the PRAP (Plastic Recycling Awareness Program) taken by Dept. of Information Technology, students, teachers and other staff members were encouraged to make Eco-bricks using plastic waste from their home. As many as 232 eco-bricks were received throughout the semester.

It is a small initiative taken up by the Department of Information Technology to ensure that the future generation of engineers are well aware of the harm plastic can cause and to teach them effective and efficient methods to reduce it in every way possible!

Eco-Bricks



How do you make an Eco Brick?

- 1. Collect your clean and dry household waste. We recommend only waste that you cannot recycle (like dog food bags), but you can EcoBrick anything non-biodegradable and dry.
- 2. Twist your waste and insert it into a plastic bottle. Compress it as tightly as you can with a stick.
- 3. Keep doing this make sure your bottle is unsquishable.
- 4. Think your EcoBrick is done? If you can squeeze it by more than 10% with one hand you should add more waste.
- 5. No longer squishable? It's done!

DAB Session

IT Department organized the Department Advisory Board Session 2021-2022 in the IT wing Lab 312 on 19th March 2022.





DQAC



31/01/2022



8/07/2022



International Journals

Performance Modelling and Analysis of IoT-Based Edge Computing Policies

International Journal of Wireless Personal Communication,

September 2021

Electronic ISSN:1572-834X Print ISSN: 0929-6212

Faculty Incharge: Prof. Archana Shirke, Chandane, M.M.

Auxilium for Search and Rescue

International Journal for Research in Engineering Applications and

Management (IJREAM), Vol 07, Issue11, Feb 2022

Electronic ISSN:2454-9150

Faculty Incharge: Prof. Mukta Nivelkar Students: Rohini B., Binu J, Calista G.

Discovering Market Movements for Making Informed Stock Decisions International Journal for Research in Engineering Applications and Management (IJREAM), Vol 07, Issue12, March 2022

Electronic ISSN: 2454-9150

Faculty Incharge: Prof. Anand Pardeshi

Students: Ananya Rajesh, Bryan Philip, Maria Johnson

Piano Transcriber

International Journal of Engineering Research in Computer Science

and Engineering (IJERCSE), Vol 09, Issue 4

Electronic ISSN: 2394-2320

Faculty Incharge: Prof. Chetana Badgujar Students: Vedant D, Sriaansh S, Rithik K

International Conferences

Codify: "Natural Language to Code, for Data Science Applications

7th International Conference on Innovations and Research in Technology

& Engineering, (ICIRTE 2022), 8-9 April 2022

Faculty Incharge: Prof. Lakshmi Gadhikar

Students: Abhishek Gupta, Ansh Chhadva, Omkar Bhabal

Completenator: Advance Code Completion

7th International Conference on Innovations and Research in Technology

& Engineering, (ICIRTE 2022), 8-9 April 2022

Faculty Incharge: Prof. Lakshmi Gadhikar

Students: Abdul Azim, Nadar Robinson, Juliet Jose

EmotiSync - Music Recommendation system using facial Recognition 2nd International Conference on Emerging trends and technologies on Intelligent Systems (ETTIS) - 2022, 23 March 2022

Faculty Incharge: Prof. Archana Shirke

Students: Selin Sara Varghese, Benitta Mariam Babu, Manjiri Kherdekar

TEYSuR-Text Extraction with YOLO and super Resolution

International Conference for Advancement in Technology, 21-22 jan 2022

Faculty Incharge: Prof. Archana Shirke

Students: Srividya S., Vineet K, Gladina R., Kapil Parab, Shashikant D

ML-Wasm Entropy and Plot: Dataframes and Plotting powered by

WebAssembly and Rust, 9-10 December 2021

Springer conference on computer networks, big data and IoT: ICCBI 2021

Faculty Incharge: Prof. Trupti Lotlikar

Students: Dion Pinto, Arpit Bhat, Immanuel Gnanadurai

Linear Algebra in the Browser powered by WebAssembly

IEEE International Conference - ICONAT - 2022, 21 January 2022

Faculty Incharge: Prof. Trupti Lotlikar

Students: Archit Bhonsle, Ved Patil, Tanvi Valkunde

International Conferences

trAiner - An Ai Fitness Coach Solution 7th International conference for Convergence in Technology (I2CT) (ICIRTE 2022), 7-9 April 2022

Faculty Incharge: Prof. Dhanashree Hadsul

Students: Vaibhav Singh, Atharva Patade, Gaurang Pawar

Hate Detection for Social Media Text with User Alert System International Conference on Electrical and Electronics Engineering, ICEEE 2022, 14 April 2022

Faculty Incharge: Prof. Mukta Nivelkar Students: Ashley, J., Nisen, N., Lasrado, R.

Computerized Data preprocessing to Improve Data Quality Second International Conference on Power, Control and Computing Technologies (ICPC2T), 1-3 March 2022 Electronic ISBN:978-1-6654-5858-0

Faculty Incharge: Prof. Poonam Prasad Bari

Students: Rohan Gawhade, Lokesh Bohara, Jesvin Mathew

Wyverns Scuffle: An MMO Game Using Unreal Engine 4 and Blender 3D",

6th Intenational conference on Soft Computing: Theories and

Applications (Socta 2021), 17-19 December 2021

Print ISBN:978-981-19-0706-7

Faculty Incharge: Prof. Smita Rukhande Students: Jay Warke and Swapnil Urunkar

Automated Journalism based on Sports Analysis
4th International Conference on Information Systems and Management
Science (ISMS 2021), 14-15 December 2021

Faculty Incharge: Prof. Smita Rukhande

Students: Eeshan Nanekar, Siddhant Nalawade, Zenden Castelino

International Conferences

Vehicle Monitoring for Violation and Traffic Density Analysis 4th International Conference on Advances in Science & Technology (ICAST2021), 5 July 2021

Faculty Incharge: Prof. Suraj Khandare

Students: Gowda, Jaideep and Abraham, Akhil and Sabu, Benson.P and

Khandare

Elcare: elderly care with fall detection

International Conference on application of Intelligent Computing in

Engineering and Science (AICE 2022), 12-13 February 2022

Faculty Incharge: Prof. Chetana Badgujar Students: Swaroop Gogate, Chirag Jawale

CoviMon - Pandemic Healthcare Monitoring System

International Conference for Advancement in Technology (ICONAT), 2022

Electronic ISBN:978-1-6654-2577-3, 21-22 January 2022

Faculty Incharge: Prof. Sharlene Rebeiro

Students: T. Polly, R. Johnwilson

Personalized College Recommender and Cutoff Predictor for Direct

Second Year Engineering

IEEE 2022 7th International Conference for Convergence in Technology

(I2CT), 7 April 2022

Faculty Incharge: Prof. Supriya Joshi

Students: Tanmay Mhatre, Majeed Inamdar, Nadar Pravin

REDE - Detecting human emotions using CNN and RASA

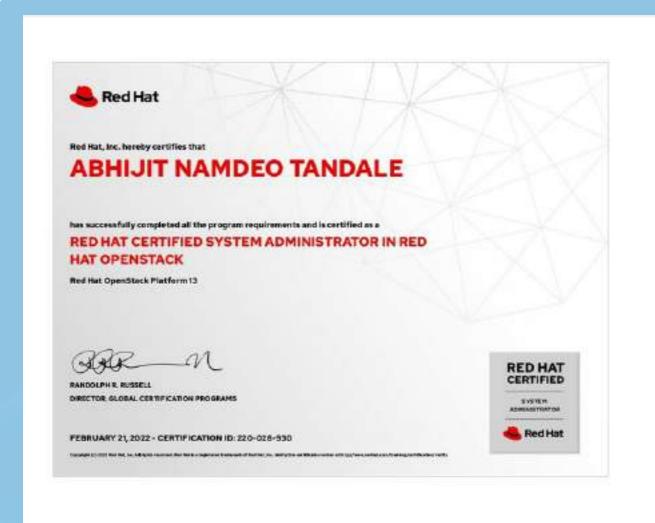
International Conference for Advancement in Technology (ICONAT), 2022

Electronic ISBN:978-1-6654-2577-3, 21-22 january 2022

Faculty Incharge: Prof. Rupali N Deshmukh

Students: Gupta, M. A. Raj, K. Singh and R. Deshmukh

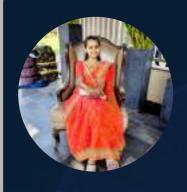
FAGULTY GERTIFIGATIONS



Mr. Abhijit Namdeo Tandale, one of the supporting staff members has successfully completed the RED HAT CERTIFIED SYSTEM ADMINISTRATOR IN RED HAT OPEN STACK.



SUMMER PROJECT WINNER









This incredible team of Maheshwari Phalke, Sujal Raina, Niraj Patil and Bhakti Phalke successfully created a sign language recognition app for the physically disabled.

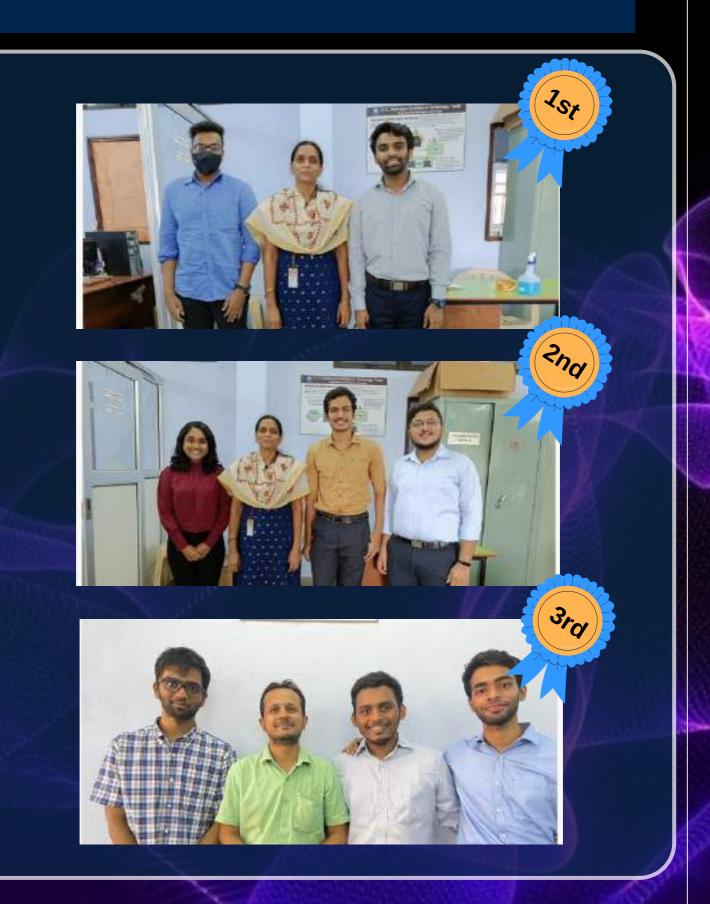
Technologies such as OpenCV and Mediapipe were used in order to implement the project.





PCUBE WINNERS

POSTER MAKING COMPETETION



ACADEMIC TOPPERS

SECOND YEAR

THIRD YEAR

1 10

BOMBLE SANSKAR RAM KRANTI

KUCKIAN YASHIKA JAYA SHASHIKALA

2 9.85

KALSI GURLEEN KAUR PARAMJEET KAUR

JADHAV ADARSH DADABHAU SUNITA 2 9.94

BHOSÁLE PRATIK WILSON SEEMA

CHETTIAR ESTHER PRAKASAM A MARY

3 9.74

KOTHARI LISHA DILIP SONA PATHAK ANVISHA

PATHAK ANVISHA HRUSHIKESH BHARATI 3 9.91

KOLI MANASWEE VIKAS DHANASHREE

ACADEMIC TOPPERS

FOURTH YEAR

9.93

BOHARA LOKESH RAMDEV DURGADEVI

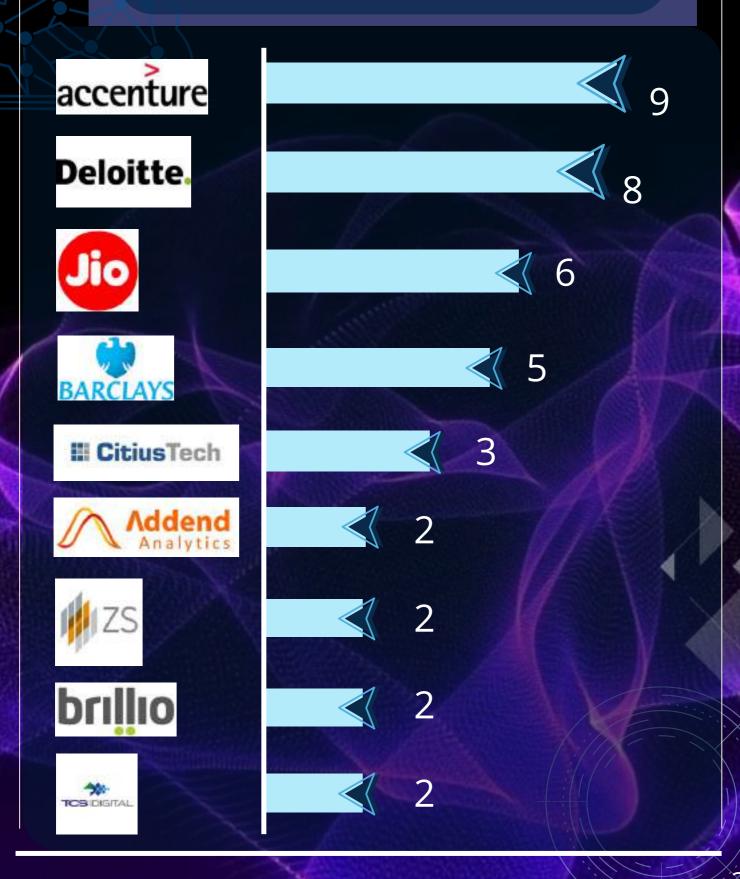
9.80

PATIL ANUJA SANJIV JYOTI

9.79

KHERDEKAR MANJIRI AVINASH VAISHALI

PLACEMENT RECORDS



PLACEMENT RECORDS











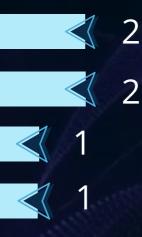


























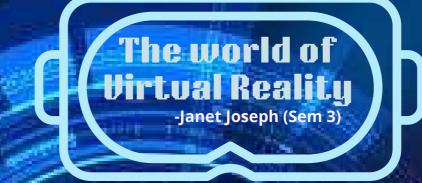


Highest CTC: 12.8 Lakhs Median CTC: 4.5 Lakhs

Total students registered

for placement: 53

TECHNOLOGIES that charge the world



Virtual Reality (VR) is the technology of the future. It is one of the tech spheres that is growing by leaps and bounds but have we stopped to think how this technology which was once primarily focused on video games came forth in other domains too?

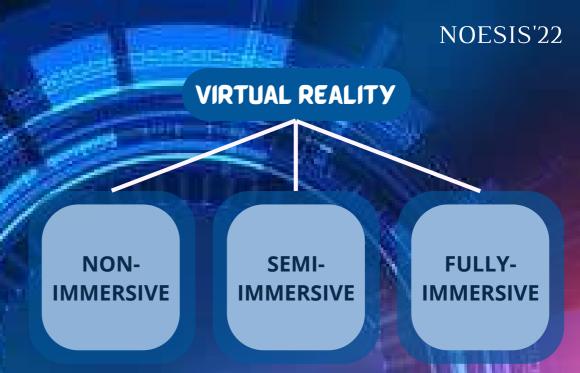
VR has become more popular over the past few years, especially during the pandemic; People were seeking ways to connect with others remotely in a more immersive way.

What exactly is virtual reality?

Virtual Reality is a computer-generated environment with the surroundings appearing to be real. It places the user in a three-dimensional realm making the user feel they are immersed in their surroundings. In order to interact with the 3D world, the user might need to wear devices such as helmets or goggles.

Though the invention of Virtual Reality might seem to be a recent development in the field of technology, this invention dates back to the mid-1950s. Healthcare, entertainment, education, and architecture are some of the areas that have already taken advantage of this technology. From guided museum visits to the dissection of a muscle, VR allows us to cross boundaries that seem unimaginable.





- Non-immersive It refers to a 3D stimulated environment that's
 accessed through a computer screen. It allows the user to stay aware
 of and keep control of their physical environment. Video games,
 websites that enable a user to design a room's décor, etc. are good
 examples of a non-immersive environment.
- Semi-immersive It provides users with a partial virtual environment.
 It will still give the users the perception of being in a different reality
 when they focus on the digital image but at the same time allows
 users to remain connected with their physical surroundings. Semi immersive technology provides realism through 3D graphics. It is
 often used for educational and training purposes.
- Fully immersive This gives the users the most realistic stimulation experience. To experience and interact with fully-immersive virtual reality the user needs the proper VR glasses or a head mount display (HMD). Fully immersive VR has made important advancements in the gaming and healthcare industries.

When and why to stay away from prolonged exposure of VR?

- Addiction People become addicted to the VR experience, especially in gaming and social media applications.
- Health problems Extensive use of VR can create a loss of spatial awareness, nausea, disorientation, and dizziness.
- Screen door effect It occurs when using modern virtual reality headsets. When you use a headset, the display is within inches of your eyes. This means that you see pixels or spaces between them no matter how excellent the display resolution may be.
- Excessive dependency on VR can lead to disassociation and depression.

36

Web 3.0: The GenZ of World Wide Web

Sweekrati Giri (Sem 5)



Is mankind the only evolution that took place with time? Is it necessary for something to be a 'living organism' to evolve? Can something that we cannot touch evolve?

The answer is no, no, and yes.

The reasoning behind that is the mind of a man. We made the internet- the world wide web fell on everyone's lap, the curious minds grabbed whatever it had to offer, and so, the birth of web 1.0 took place with leisure and curiosity.

The internet then was static and full of information. Type in a few keywords, the web didn't even know english properly, but it still flourished with clicks. But the curious minds I tell you, they wanted to speak on the internet, on the web. They got the information they wanted, but now they wanted to tell what they have acquired. You're understanding what I'm saying? No? I'll explain in tech-english.

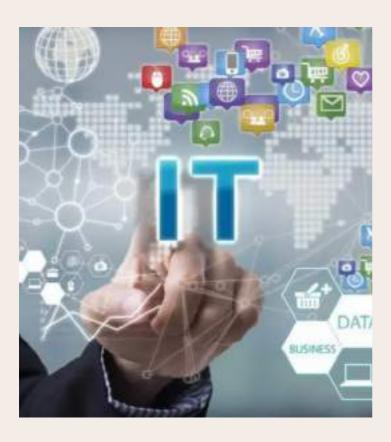
We understand technology with communication better. So let's understand the web with communication. Till now, the communication of man with the web was in simple duplex form.

The keywords we hit and the web would throw the information to the man on the screen. But the man wanted a half-duplex communication set up. Hence, the arrival of web 2.0. It made a paradigm shift in the web. Our appetite to know more, to say more, to create more, to learn more, to communicate more. It just grew day by day to land where we are today. Yes, we are on web 2.0. And soon or later the web 3.0 will hit the streets, or laptops, or other electronics devices.

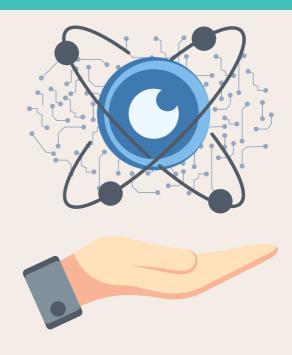
But before that let's understand where we are today. Today's websites and whatever there is in digital space is working on centralized structure A structure made by a higher authority where one could come and use the service provided. See it like a platform. Where people who wanted to use the space used it. For example, Instagram. We wanted to be a part of a community

and create one on digital space. Hence, we all logged into it and used this platform. Instagram being the higher authority. Authority with power of regulation, rule to set and the most benefited from all.

But again, the curious mind I tell you, what they argued was,' why do these corporations who run these platforms have all the power in the world, why should they acquire our data and benefit from it. What if they have malicious reasons to acquire my data. My data is not secured. I don't trust them.' And now we go in full-duplex mode. Hence, the creation of the next generation, web 3.0.



Web 3.0 is said to be built on a decentralized structure with blockchain technology. The foundation of this web is on openness and increasing consumer usefulness, where everyone over the internet will use zero trust, and network protection will reach the edge.



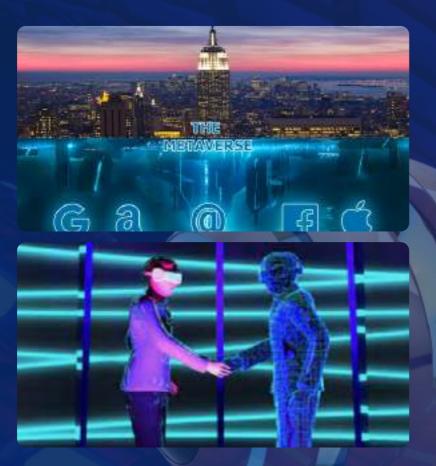
Blockchain will play a vital role in its creation. Blockchain is a set of blocks that contains information in sequence. The information stored in them is encrypted using cryptography. A big application of blockchain is transactions. currency crvpto Whatever transactions that occur to transfer a crypto is fit into the chain of that crypto block. And the same structure will be used in web 3.0. But the data to be able to get deleted became the talk of the town. It raised questions over the 'right to forgotten'.

Thus implementing the blockchain technology in the mainstream will be a bit of a challenge, until and unless the problems have been dealt with. The way Web 3.0 will be adopted in the mainstream and what changes it will bring to the way we are used to is only for the time to table. But one thing is for sure the future of the internet is bound to be interesting.

METAVERSE

A whole new world of possibilities

BY YASH CHIDDARWAR - SEM 5



What is the truest definition of technology? Is it advancement, evolution or just a simple combination of both? In layman terms, technology can be defined as a tool that helps human evolve and advance in various fields of science! METAVerse is one of the greatest examples of technology that can change lives, but what exactly is METAVerse? The term "metaverse" was coined by Neil Stevenson in his 1992 science fiction novel Snow Crash.

It is virtual world of infinite possibilities and can be accessed by anyone who has access to the internet.

From the first virtual marriage in India to visual representation of some of the greatest works in architecture, METAVerse has it all! It acts as a great platform for individuals with creative thinking and a tech savvy mindset. Launch of new programs related to metaverse such as Google's Project Starline and BMW's Joytopia have proved that this virtual world can only be limited by human imagination.

Let us know how can METAVerse change our lives:

1) Reduce Crime Rates:

When people are given a platform where they can explore their fantasies with less risk and less physical activities, it can significantly reduce the crime rates as the mind will not feel the requirement to try similar stuff in real world.

METAVerse can also provide a virtual representation of various crime scene and help the investigating officers with various clues which would have been missed by the naked eye otherwise.

2) Exploring Oneself:

People in METAVerse can choose their own identity and create their own avatars. This enables people to live as they want in this virtual world and help them explore their true self. Along with the freedom of choosing their own avatars, we can decide the people we want to interact with and also the places we want to visit.

3) Improves collaboration and worklife balance:

COVID-19 made us realize that we can't afford to stop working even in worst conditions possible. METAVerse can help offices and workspaces to improve the work-life balance for the employees by providing them a virtual environment to work in from the comfort of their home.

Along with this it can also help in collaborating and product efficiency by enabling different clients and buyers to experience the product they are about to buy in a real time environment.



4)Helps businesses innovate:

With the help of Metaverse, businesses can release their product in a virtual space before releasing it to the general market. Due to this, they will have access to a customer base which can provide crucial feedback for the product at a very low cost.

Thus METAVerse is a whole another world and an amazing place for people who need a place to discover themselves, showcase their talent, grow their business or help innovate new technologies!

BLOCKCHAIN TECHNOLOGY IN REAL ESTATE

By Joannas Johnraj (Sem 7)



What is Blockchain? Blockchain is a shared, immutable ledger that facilitates the process of recording transactions and tracking assets in a business network. An asset can be tangible (house, car, cash, land) or (intellectual intangible property, patents, copyrights, brand). Virtually anything of value can be tracked and traded on a blockchain network. reducing risk and reducing costs for everyone involved.

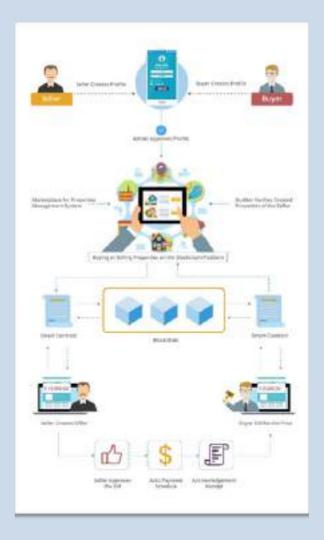
What is Real Estate? Real estate is defined as land and any permanent structures, such as a home, or improvements attached to the land, whether natural or man-made. Real estate is a form of real property.

A real estate transaction is a process in which rights to a unit of property (or specified real estate) are transferred between two or more parties, for example, in the case of a conveyance, one party is the seller and the other is the buyer.

It can often be quite complicated due to the complexities of property rights being transferred, the amount of money being exchanged and government regulations. Conventions and requirements also vary widely between different countries of the world and between smaller legal entities (jurisdictions).

Real estate technology was mostly concerned with listing and connecting and sellers. However, buyers blockchain can introduce new ways of trading real estate and can enable trading platforms and marketplaces to support real estate transactions more comprehensively. Blockchain can be used in various ways to make real estate transactions more secure, transparent, and efficient.

A significant application of blockchain in real estate is smart contracts. A smart contract is a self-executing contract whose terms of the agreement between the contract's counterparties are embedded into lines of code. A smart contract is essentially a digital version of the standard paper contract that automatically verifies fulfillment and enforces and performs the terms of the contract.



How do smart contracts work? First, the contractual parties should determine the terms of the contract. After the contractual terms are finalized, they are translated into program code. When the code is created, it is stored in the blockchain network and is replicated among the participants in the blockchain. If the terms of the contract are satisfied and verified by all participants of the blockchain network, then the relevant transaction is executed.

The involvement of a smart contract ensures a more transparent and secured facilitation and fulfillment of the contractual terms. In addition, smart contracts do not require the execution of an intermediary because the smart contract code is verified by all participants in the blockchain network. Eliminating the middleman from the contract helps substantially reduce the cost for counterparties.

Smart contracts help real estate by redesigning documentation processes. Moreover, blockchain technology with smart contracts can enable virtual registry processes that will reduce the workload on authorities and eliminate the waiting time by a significant margin.

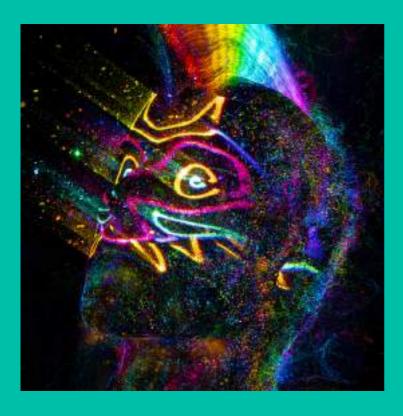
Thus, Blockchain Technology would revolutionize the Real Estate System as we know now. Not only by digitalizing the transaction process but also providing accountability, transparency, security and reliability.

NFT'S-NON FUNGIBLE TOKENS



-Lisha Kothari (IT Sem 5)

"People don't understand NFTs, Metaverse, and crypto today the same way they didn't understand online shopping in 1995." — Anuj Jasani



Non-fungible tokens — or NFTs — are causing a paradigm shift across nearly every sector of society. They're transforming everything from finance to art, and there's good reason to suspect that almost no corner of society will be left untouched.

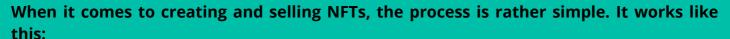
Over the last few years, NFTs have proven to be one of the most significant contemporary innovations in tech, finance, fashion, sports, and the arts. Since going mainstream in 2021, NFTs have been the source of hype, confusion, and drama as they have taken their place as the latest cultural phenomenon.

A non-fungible token (NFT) is a unique unit of data on a blockchain that can be linked to digital and physical objects to provide an immutable proof of ownership.

The data an NFT contains can be tied to digital images, songs, videos, avatars, and more. However, they can also be used to give an NFT owner access to exclusive merchandise, tickets to live or digital events, or be linked to physical assets like cars, yachts, and much more.

In this respect, NFTs allow individuals to create, buy, and sell items in an easily verifiable way using blockchain technology. But bear in mind that, unless otherwise stated, you're not buying the copyright, intellectual property rights, or commercial rights to any underlying assets when you buy an NFT. However, all the legal details can get pretty complicated, so we'll dive into this more in subsequent sections.





- An individual (or company) selects a unique asset to sell as an NFT.
- They add the object to a blockchain that supports NFTs through a process called "minting," which creates the NFT.
- The NFT now represents that item on the blockchain, verifying proof of ownership in an immutable record.
- The NFT can be kept as part of a private collection, or it can be bought, sold, and traded using NFT marketplaces and auctions.



If you're keen to start your own NFT collection, you'll need to acquire some key items: First, you'll need to get a digital wallet that allows you to store NFTs and cryptocurrencies. You'll likely need to purchase some cryptocurrency, like Ether, depending on what currencies your NFT provider accepts. You can buy crypto using a credit card on platforms like Coinbase, Kraken, eToro and even PayPal and Robinhood now. You'll then be able to move it from the exchange to your wallet of choice.

You'll want to keep fees in mind as you research options. Most exchanges charge at least a percentage of your transaction when you buy crypto.

Just like the money in your bank account, cryptocurrency is what you use for any and all transactions on the blockchain. Cryptocurrency can be purchased or converted into fiat currencies (dollars, euros, yen, etc.) via crypto exchanges. By contrast, an NFT is a unique and irreplaceable asset that is purchased using cryptocurrency. It can gain or lose value.

DATAFICATION

- Joshua Dabhi (IT Sem 5)

"Information is the oil of the 21st century, and analytics is the combustion engine."

-Peter Sondergaard



In today's day and age one of powerful most essential service is "Data". It has become the driving force behind many upcoming and established ventures. lt essentially controls today's IT industry. People spend top dollars to get hold of data, to analyze it to name a few. Here materializes "Datafication".

Datafication has been a buzzword of the last several years, that is used actively along Big Data industry. Even googling "Datafication" you aren't able to find a trove of information on it.

Datafication is a technological trend turning many aspects of our life into data which is subsequently transferred into information realised as a new form of value. Kenneth Cukier and Viktor Mayer-Schönberger introduced the term datafication to the broader lexicon in 2013. Up until this time, datafication had been associated with the analysis of representations of our lives captured through data, but not on the present scale. This change was primarily due to the impact of big data and the computational opportunities afforded to predictive analytics

Organizations require data and extract knowledge and information to perform critical business processes. An organization also uses data for decision making, strategies and other key objectives. Datafication entails that in a modern data-oriented landscape, an organization's survival is contingent on total control over the storage, extraction, manipulation and extraction of data and associated information.



Facebook or Instagram, for example, collect and monitor data information of our friendships to market products and services to us and surveillance services to agencies which in turn changes our behavior; promotions that we daily see on the socials are also the result of the monitored data. In this model, data is used to redefine how content is created by datafication being used to inform content rather than recommendation systems.

However, there are other industries where datafication process is actively used:

- •Insurance: Data used to update risk profile development and business models.
- •Banking: Data used to establish trustworthiness and likelihood of a person paying back a loan.
- •Human resources: Data used to identify e.g., employees risk-taking profiles.
- •Hiring and recruitment: Data used to replace personality tests.
- •Social science research: Datafication replaces sampling techniques and restructures the manner in which social science research is performed.



Meditation

food for the soul

- Prof. Suraj Khandare



What is Meditation?

Meditation is said to be the food for the soul. The ultimate relaxation technique for the mind, body and soul. Spiritual Leader H. H. Sri Sri Ravi Shankar puts it, "Meditation is not concentration. It is de-concentration." One need not put in effort to perform meditation, it is effortlessness.

Why should you meditate?

You should meditate to be happy and let other's around you be happy and in peace. This might be a bit direct for some but, doesn't everything in life that we do is for happiness?

Meditation helps us to keep our mind calm, focused and relaxed. Meditation combined with a few warm up exercises is a complete nourishment for the mind, body and soul. Any work you wish to do in life will be done through your mind and body. Hence, it is the first and primary thing you must be taking care of.

Practicing just 20 minutes of meditation everyday can do wonders in your daily life. It will help you be more efficient and focused on your work, a happy and stress free mind spreads the same positive vibes. So, you have better relationships as you can deal with people around you better and effectively.

I have been practicing meditation for so many years now. And after meditation you feel happy, blessed, light, and in a state in which everything just seems alright.

Here physical and emotional benefits of meditation that will inspire you:

- 1. Helps in managing mental health
- 2. Reduces ageing
- 3. Provides more energy & efficiency 4. Helps Overcome anxiety and depression
- 5. Improves focus, attention, and memory
- 6. Helps in Healing and managing pain
- 7. Benefits your overall health
- 8. Improves relationships
- 9. Teaches you to let go and be firm

Activities associated with left brain are logical, focused on facts, math and science minded whereas activities associated with right brain are focused on art and creativity, intuition. Throughout the day engineers use left part of the brain and so after working for about 8 -12 hours meditation can give the much needed activity to right part of the brain.

Few Tips for Beginners:

- If you can't make time or become restless (common query) by the thought of mediation with closed eyes, start small. Begin with just taking out only 10 minutes from your schedule for yourself and just commence.
- It will be great if you wear loose and comfortable clothes while meditating
- Meditate on a relatively empty stomach.
 Hence, I prefer doing it in the morning. You
 can practice it anytime during the day. It is
 said that the hours of sunrise and sunset, are
 also ideal for the practice.
- It is advisable to start with light warm up and then go into mediation to get a deeper experience.
- Choose a convenient time, place and Asana or mat. (A simple cotton bedsheet will also work)
- You can start with guided meditations and then learn meditation from experienced teachers.





By Vaibhavi Naik (S&M-5)



By Rhea Comez (S&M-3)



By Vedika Pagar (86M-3)





By Faisal Sarang (S&M-5)









By Marshali Patil (S&M-3)









By Abisha Peter (S&M-3)



Shayari Conner

 करने के लिए तो जमाने को चरचे बहुत है इन हाथों को यू सवारने को जुल्फें बहुत है इन ननघाहो को चाहत है तेरी वरना देखने के लिये इन आखों को चेहरे बहुत हैं

> 2) कुछ दन बीते उनके यादों में थे तो कुछ ददन उनके ख्यालों में थे उनकी बात कुछ जवाबो में थी और हम उनके सवालो में थे।

3) तेरी यादों की बरसात में हर रात एक जाम हो जाये तु देखती रहे लसफफ मुझे और देखते देखते शाम हो जाये।

5) तेरे हर तारे को नया आसमान दूंगा तेरे हर बहते आँसू को एक नयी मस्कान दूंगा सिर्फ साथ साथ हर दम देना अपनी हर कलमयाबी को तेरा नाम दूंगा।

> 6) आदत सी होगयी है तुम्हारी जो तुम्हे भूल न पाये हम ददन भर तुम्हे देखकर भी रात में सो न पाये हम।

4) तेरी पिको में खदु को सामना चाहता हु क्या होती है खबुसुरती ये इस दिल को बताना चाहता हु तमु सिर्फ साथ मेरे चलदो में तो पूरे जहाँ को जिना चाहता हु।

-By Piyush More



थोडा प्यार मिल जाएगा तो अच्छा होगा ।

थोडा प्यार मिल जाएगा तो अच्छा होगा। अरसो से बिखरे पड़े है भीतर आँसुओं का समंदर लेकर किनारे कोई बाहें मिल जाएँ तो दिल थोडा पक्का होगा, थोडाप्यार मिल जाएगा तो अच्छा होगा।

ना चाहिए कोई हुस्नपरि ना ही किसी अपसरा का शौक है किसी शाम कोई कंधा मिल जाएँ तो सिर रखने का सुकून होगा थोडा प्यार मिल जाएगा तो अच्छा होगा।

सीने से लिपटने के लिए, अभी तो फिर कोई तिकया भी बाकी नहीं किसी चांदनी रात कोई आँखे मिल जाए तो दिलकश दर्द बाँटनाआसान होगा, थोड़ा प्यार मिल जाएगा तो अच्छा होगा।

> ~ Piyush More (SEM - 3)

Photo Gallery

Batch of 2018-2022



Batch of 2019-2023



Photo Gallery

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