



**Indian Institute of Information Technology
Tiruchirappalli**

AIKYAM

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DIRECTOR'S NOTE

Dear Readers,

Greetings!!!

First of all, I would like to convey my best wishes to all the students who have completed the B. Tech Degree and others who have completed one more milestone for their course of study. The life ahead is going to push you beyond the limits and is opening new avenues for learning and experiencing the life in its own unique ways. Being an IIITian, I am assertive that you all would be the pioneers of the technological change and innovation across the globe.

The technology has transformed the universe into a cocoon where we escalate to move mountains and build wonders. The recent technological advancements keenly contribute in devising pivotal unimaginable innovations for the welfare of our society. The evolution of technologically curated world is unstoppable with the acceleration of development. The ubiquitous technological assistance to perform tasks such as secured payments, file transfers, reservations, collaborations, and other automated smart tools or objects for security purpose, voice assistants etc. modernized our life and increased our ease of access. The Artificial Intelligence process and robotic automation lightened the workload in administration, logistics, accounting, housekeeping and HR departments. Further, digitization, datafication, virtualization, transparency, sustainability has become the new normal after the COVID-19 pandemic. They are also overpowering the physically re-established world, which resonates with metaverse/multiverse.



Technological interventions in other fields such as Agriculture, Dairy, Construction, Management, etc. have become unavoidable. Thoughts of Genetic Engineering in modern developments to meet the huge demand of food production for the increasing population with the decreasing and depleting resources cross the mind in this context. Therefore, the government majorly encourages initiatives of Science, Technology, Engineering and Mathematics (STEM), which is the provenance of innovations. The smart environment needs smart minds with the potential to invent the unexplored and innovate the unexpected. The imaginative expressions with innovative interventions strengthen the spirit of research and development, which is an indispensable demand of Industry 4.0. However, humanity should be kept intact in the run for technological advancements.

Let your creative contributions kindle your spirit of innovation but as an expression to resolve the issues of our society and its populace. I take great pleasure in congratulating team Aikyam for their efforts in bringing this issue a reality.

Happy Reading

Prof. N.V.S.N. Sarma
Director - IIIT





FROM THE DESK

Dear Students,

We wish you all the best for the upcoming issue of Aikyam. We are sure that you all have put forward your best efforts in making it more interesting and full of vibrant colours. As this issue is devoted for the technological advances, we would like to touch upon certain aspects of human and technology interaction. Man and technology are intermingling swiftly at faster pace. Technology is double edge sword. As the world is advancing, sustenance without technology is unimaginable. Let's focus on the positive aspects which are transforming the world for better. Technology has changed the way we do everything now. Especially after the Covid-19, we have witnessed a significant evolution. Now whole world is at the virtual spaces and easily accessible. The offices no more are confined only to the physical spaces, rather we came across the work from home which is changing the way we live. It has made educational more accessible as those who were earlier unable to engage in learning can do now at their own pace. The technology can speed up the work progress by making our jobs easier which in turn creates synergies, bringing efficiency and affordability. The world has become one family in true sense due to advent and progress of technology. The world business and trade has become easier, reliable and very fast.

However, everything has a positive as well a negative side too. The limits of the technology and usage should be determined by the human. It should be used as a tool but never as an addiction. We can see at various walks of life the uncontrolled usage and exploitation of technology which is creating negative impacts. Our lives are also



becoming faster and complex because these possessions take up our time, efforts and most importantly peace. Now technology is used as an addiction where the whole world of a person is confined in their cell phones. We are witnessing the real and face to face family conversations, outdoors, and the bonding which was stronger when the technology was not over utilised. Man has created the technology and now they are in constant threat to be replaced by the same.

As a IIITian we believe that you should understand and profess the balanced usage of technology in your lives. You should be able to create a technologically more balanced world which should have the sustainability for the coming generations. Engage in the endeavours which are having the perfect blend of humanitarian applicability of the technology in the contemporary world. We wish you all the very best for the upcoming issue which is definitely going to be the one more best edition for the Aikyam.



Dr. Rinshu Dwivedi



Dr. Sindhu Vasu

Assistant Professors
Department of Science & Humanities



STUDENT EDITOR'S NOTE

Dear readers,

Welcome to the latest edition of our technology magazine. As we enter into 2023, the pace of innovation and technological progress continues to accelerate, and we are thrilled to be your go-to source for the latest news, insights, and analysis on the most exciting developments in the world of technology.

This year, we have a number of exciting articles and features lined up for you. From the latest trends in artificial intelligence and machine learning to the cutting-edge technologies powering the next generation of mobile devices, our team of expert writers and researchers has scoured the landscape to bring you the most up-to-date and insightful coverage.

As always, we value your feedback and input, and we encourage you to get in touch with us if you have any comments, suggestions, or ideas for future articles. We are committed to providing you with the most informative and engaging content possible, and we look forward to hearing from you.

Thank you for your continued support, and happy reading!

Best regards



Patel Dip Kumar



Shubham Kumar Bhagat



POETRY SECTION





मैं किशु हूँ

तू हरा है तू भरा है
आपने आप में सम्पूर्ण भी,
पूछता है प्रश्न प्रतिपल
बिना किसी संकोच के।

तुम्हे ज्ञानी होने का अहसास नहीं,
अज्ञानी होने का भय भी नहीं,
बस प्रतिक्षण कुछ जानने का जश्न है।

भय शब्द से अनजान है
जीता भरपूर वर्तमान है,
उसकी झोली नहीं भरी है
अतीत के व्यापार से,
तभी तो वो जीता भरपूर वर्तमान है।

यह भाग्यशाली कौन है ?
यह भाग्यशाली कौन है ?

मैं किशु हूँ
मैं किशु हूँ
मैं किशु हूँ

-मधु चौधरी
(कुमारी प्रतिमा यादव)



సమానత్వం



సృష్టికి మూలం ఆడది
 జగత్తికి అందం ఆడది
 ఓర్పుకు నేర్పుకు
 భూదేవంత సహనం ఆడది
 బంధాలు బంధుత్వాల
 బాధ్యతను మోస్తూ
 ఓ కూతురిగా, ఓ కోడలిగా
 ఓ ఇల్లాలిగా వెలుగులు సింపుతూ
 పురిటి నొప్పులను పంటి కింద బిగిస్తూ
 గుండెల్లో బాధని దాచి
 పెదవుల పై చిరునవ్వులను స్వీకరిస్తూ
 సృష్టికి జీవం పోసింది ఆడది
 వంటింటికి అంకితమైన ఆడది
 ఇప్పో ముంగిట అంతరిక్షంలోకి ఆడుగు పెట్టి
 ఎవరెస్టును అధిరోహించి
 రంగు రంగుల ప్రపంచంలో
 మహానటి అనిపించుకున్న ఆడది
 ఆడది అబల కాదు
 సబల అని అనిపించుకున్న ఆడది
 ఇంతటి కీర్తిని పొందిన ఆడది
 కడుపున పుడుతూ
 కొండరికి బరువవుతూ
 చెత్త కుప్పులో చెత్తవుతూ
 అంగడిలో బొమ్మువుతూ
 ఆదృష్టం బాగుండి
 పెరిగి పెద్దయ్యే క్రమంలో
 యువకుల యాసిడ్ దాడులకు బలివుతూ
 దిశ దశగా కాలి బూడిదవుతూ
 నిర్భయ కేసులలో నిరంతరం పోరాడుతు
 సాధికారత కాదు కాదా?
 సమానత్వం కాదు కాదా!
 కనీసం మానవత్వం చూపండి
 అప్పుడే అపరంజి బొమ్మువుతాం
 అవనికి అందం అపుతాం
 సృష్టికి మూలం అపుతాం





A RAY OF HOPE

Hope shines brightest when times are darkest
Don't lose hope in the worst of moments

Hope gives you ray of light
Even in the darkest nights

There is never a problem that can defeat hope
So, keep moving on with no stop

Hope is what makes you smile
Even in the toughest times

Hope that everything will get better
After all, nothing lasts forever

When the whole world says 'no'
Hope gives you the strength to 'go'

Train your mind to see good in everything
No matter how bad may seem some things

Never have the fear of falling
Gain courage to stand up high, smiling

So, never lose hope....
Coz you never know what tomorrow may bring

-Simmi Raj (3rd Year)



केसरी पहाट



आज सहस्र युगांनी पहाट उमगली
दवाप्रमाने केसरी स्वप्रं हवेत लाभली



स्वप्रं जगृतीस जहाले
शिवनेरीवर आले
रणधीर वीर शिवाजी महाराज

ईश्वराचे हिंद केसरी दर्पण
शिवाच्या वेशात झाले अर्पण



पडलेली अनपेक्षित ठिणगी....
मातेच्या मनात उठलेला वणवा...
त्याच क्षणी शिवाई देवीच्या आशिर्वादाने शिवबा जन्मावा.....

जन्माअगोदर मातेच्या गर्भात बांधलेली खुणगाठ....
जणू सुभद्रेचा अभिमन्यू....
निश्चय केला की आपण एकजुटीने अर्थर्माशी लढू..



- वतन पवार (1st Year)



कि जो मैं चाहूँ, मैं वो बन जाऊँ



कि मुझे लोगों की परवाह नहीं, मैं तो हर एक गली में गुनगुनाऊँ।
मैं बारिशों से ना पूछूँ कि किस दिन ज़मीं पर आओगी ।

मैं बस बूंद बन फूलों पर ठहर जाऊँ।

कि जो मैं चाहूँ, मैं वो बन जाऊँ ।

मुझे लोगों की परवाह नहीं, मैं तो बादल बन जाऊँ।

कि शोर-शराबे में भी मैं अपने दिल की सुन पाऊँ।

अंधेरों में मैं चांदनी बन जाऊँ, फिर कर के
सृष्टि सारी रौशन, मैं तो अपना यश फैलाऊँ।

कि जो मैं चाहूँ, मैं वो बन जाऊँ ।

मुझे लोगों की परवाह नहीं, मैं तो चाँद बन जाऊँ।

मैं तो आयुष से थोड़ी आयु उधार मांग लाऊँ,

फिर लगाकर इतर और सत, मैं तो सोफिस्तान तक जाऊँ।

और फिर जीतकर दिल परियों की रानी सोफिया का, मैं तो सितारा बन जाऊँ ।

कि जो मैं चाहूँ, मैं वो बन जाऊँ ।

मुझे लोगों की परवाह नहीं, मैं तो ध्रुव तारा कहलाऊँ।

वक्त का चक्र घुमाकर, मैं तो वक्त में पीछे जा पाऊँ।

फिर पीकर एक कटोरी दूध, मैं तो राजा बेटा बन जाऊँ।

कि जो मैं चाहूँ, मैं वो बन जाऊँ।

मुझे लोगों की परवाह नहीं, मैं तो माँ का लाडला बन जाऊँ।

कि मैं माँ से कहकर, गंगा तट पर दीपक जलवाऊँ।

फिर उन दियों के उजालों के अंश से मैं दुखों को दूर भगाऊँ।

कि जो मैं चाहूँ, मैं वो बन जाऊँ।

मुझे लोगों की परवाह नहीं, मैं तो रोशनी का अग्रदूत बन जाऊँ।

कि विवेक की सुंदरता को लेकर मैं देश विदेश घूमने जाऊँ।

फिर सम्बोधित कर उन्हें मृदुल वाणी से, मैं तो उनका प्रिय बन जाऊँ।

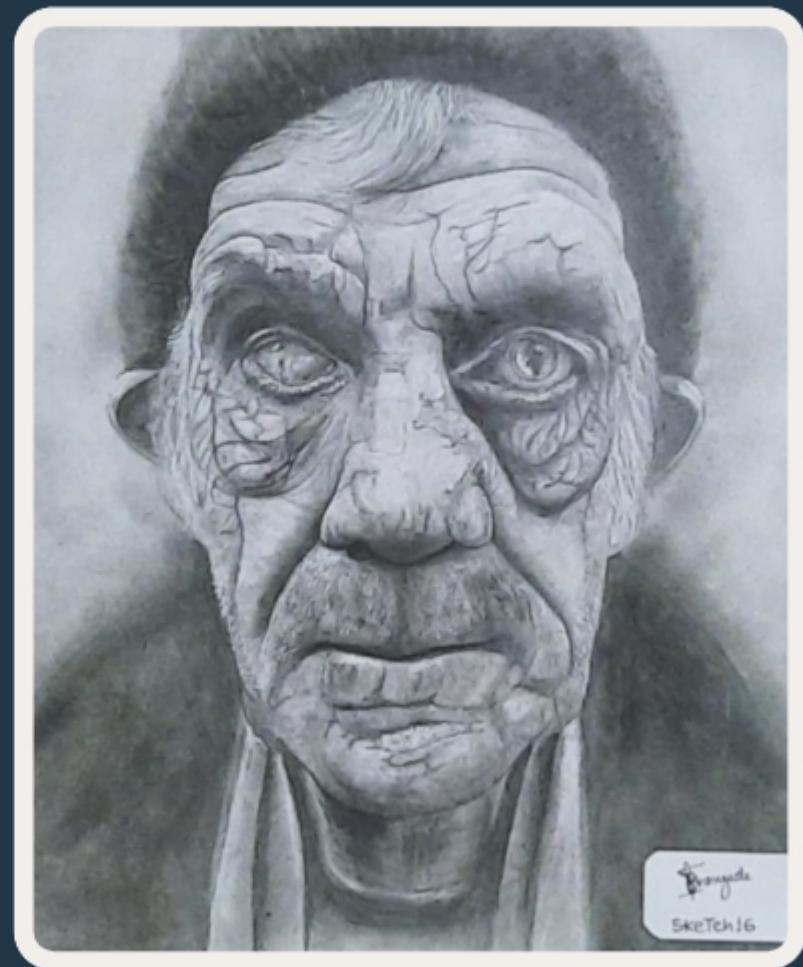
कि जो मैं चाहूँ, मैं वो बन जाऊँ।

मुझे लोगों की परवाह नहीं, मैं तो विवेकशील कहलाऊँ।

-विवेक (1st Year)



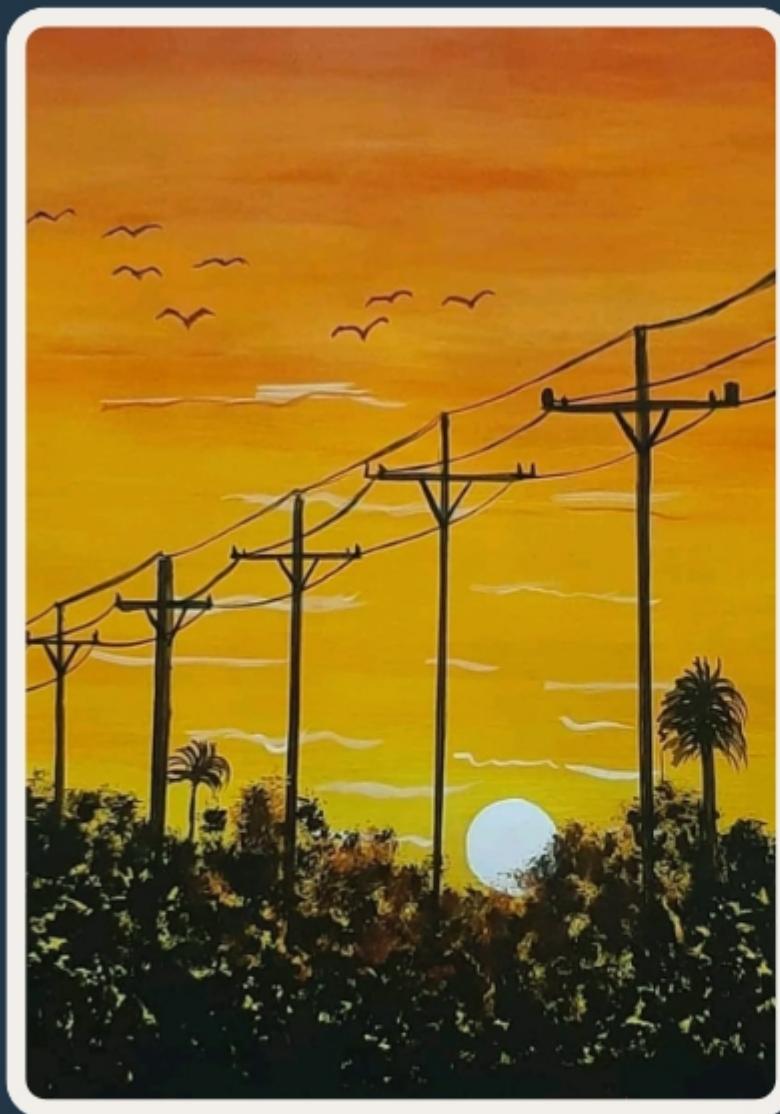
ARTS SECTION



Chathurika
(3rd Yr CSE)



Vaidik
Bhongade
(2nd Yr CSE)



Vaidik
Bhongade
(2nd Yr CSE)





ARTICLE SECTION

3D Printing

Workshop and Training

The Department of Science and Technology (DST)-Science and Engineering Research Board (SERB) sponsored research facility training on 'Metal 3D Printer' and workshop on '3D Printing of Smart Materials' held on 23 and 24 March 2023, with the participation of Ph.D. research scholars and faculty members from various academic institutions in the country. These two programmes were organised by Dr. Velmurugan C (IIIT Tiruchirappalli), in which the participants could observe and understand about the development of polymer and metal components using fused filament fabrication (FFF) based 3D printing.



Material extrusion is one of the most economical additive manufacturing (AM) methods for manufacturing both polymer and metal-based parts. There are

generally seven AM techniques that can be used to fabricate polymer, metal, and ceramic-based components. Among them, extrusion technique is used in the FFF process where the raw material is allowed in the form of filament. The FFF setup was developed with a debinding and sintering unit for manufacturing the metal-based components. The same facility can be used for developing polymer and multi-polymers products. The researchers and faculty members were trained in these facilities which helped to conduct the above programmes for getting the good practical knowledge of the participants. The polymer material namely polylactic acid (PLA), polyethylene terephthalate glycol (PETG), and acrylonitrile butadiene styrene (ABS) were used in filament form for fabricating the polymer-based components. Similarly, the metallic material like stainless steel (ss) parts were fabricated in the training programmes.

The AM technique consists mainly of pre-process, process and post-process to develop any 3D component. Pre-process involved computer aided design (CAD) file creation, transformation of CAD file

into stereolithography (stl) file and slicing of stl file. First, we need to create a CAD file of the component which will be printed in FFF setup. Then the CAD file will convert into stl format. Next, stl file imported into slicing software for selecting the input settings as required for satisfying our desires. Additionally, the sliced file should be saved as a G-code file. Processing stage involved to make a physical 3D object as per the design. The object can be printed when the filament (polymer/metal) extruded through a heated nozzle and settled on the build platform by layer upon layer approach. Post-processing is done on the printed parts after their removal from the bed. Only the support material is removed for polymer-based components at this stage; but, the metal-based components require the debinding and sintering processes.

The participants gained knowledge about seven different techniques which are used in additive manufacturing. The fundamental and pre-requisites of different materials were trained initially in the programmes. The research facility programme was focused on hands-on training for the researchers. The participants were trained on design and slicing



software followed by the 3D printing operation. Observations are on series of hands-on training to fabricate any polymer and metal-based components with support of software as well as hardware facilities in the advanced manufacturing and processing laboratory, IIITT. This opportunity is more helpful to improve their theoretical and practical knowledge skills about the 3D printing process and materials for developing any complex shape components in emerging fields. Experts from centrally funded institutions shared their knowledge and research experience on various themes of 3D printing. The major topics covered in this workshop are development of smart materials, design for AM, polymer 3D printing, multi-polymer printing and metal printing. These themes were more pertinent and ideal for the workshop, and the faculty members made good use of each session and effectively interacted with the experts.



These programmes were conducted as a part of the DST-SERB's Scientific Social Responsibility (SSR) initiative. It encourages young researchers and faculty members to become aware of the emerging technologies that will reign the future. The experts handled brainstorming sessions on a variety of 3D printing-related subjects, while the researchers learned how to design and print each component independently and effectively apply their own ideas with the aid of our research facilities. All research scholars and faculty members felt more confident in working with 3D printing.



These programmes could be initiated by our researchers in implementing 3D printing in merging fields which would support to enhance the benefits of industry 4.0. The academicians and

researchers can make innovative ideas and projects from these kinds of technical events. Also, they can transfer the knowledge in 3D printing to their students. Therefore, it would be ideal if research facility training/workshop programmes in 3D printing, like the one covered here, could become a regular occurrence. This would help the nation quickly establish a skilled labour force.

The Department of Mechanical Engineering, IIIT is proud of conducting such initiatives for the researchers in smart materials and additive manufacturing. Such research facility training and workshops are encouraged by the DST-SERB to train our researchers, particularly in the field of manufacturing and materials. It is time for the researchers in all disciplines to step up and take on the duty of implementing advanced concepts in emerging fields. We must be aware that 3D printing research has been explored in recent years, and the researchers need exposure to keep up with components in mass production.

-Dr. Velmurugan C,
Department of Mechanical
Engineering



CHATGPT

What is ChatGPT?

ChatGPT is a sophisticated piece of artificial intelligence software that is designed to continue human-like conversation on a wide range of topics. ChatGPT (Generative Pre-Trained Transformer) uses state-of-the-art natural language processing techniques to generate human-like responses to input text. It has a wide range of applications including generating text, language modeling, language translation etc.



Open AI, an independent research body founded by Elon Musk and Sam Altman launched a chatbot on 30 November 2022, and in just a week it crossed 1 million users.

History

A previous version of GPT-3 was not that efficient and caused a number of issues to arise within the organizations. It was also unable to make up facts.



The new model in the GPT-3 family of AI-powered large language models, text-davinci003, reportedly improves on its predecessors by handling more complex instructions and producing longer-form content.

- *Supervised learning* : Model is provided with the conversations data in which trainer plays both sides (user and AI).



- *Reinforcement learning* : Trainer first rank responses that the model has created in previous conversation. These ranks then serve as training data for the reward model.

Human Replacement

ChatGPT has demonstrated the ability to build complex Python code and compose college-level essays in response to a prompt, raising concerns that such technology may probably replace human workers like journalists or programmers.

Free to Use ?

While it is still in the research review stage, users can sign up and test it out for free.

Chief Disruptor (@ahmedsalims) · Dec 5, 2022
Replying to @sama
Will it be FREE forever?

Sam Altman (@sama) · Dec 5, 2022
we will have to monetize it somehow at some point; the compute costs are eye-watering

1:08 PM · Dec 5, 2022

2.3K · Reply · Share · Read 247 replies

Conclusion

Overall, ChatGPT is an amazing chatbot but still there are some improvements that need to be done. We will have a very cool AI assistant in the foreseeable future.

-Balaji Rai (3rd Yr ECE)

Hey you, do you use ChatGPT for your assignments?



5G

5G is the fifth generation of wireless technology for cellular networks. It is designed to provide faster internet speeds, lower latency, and more reliable connections than its predecessors, such as 4G LTE. With the implementation of 5G, there will be greater capacity for devices to connect to the internet, making it possible for more devices to be online at once without slowing down the network.

Advantages:

- 1. Higher speeds:** 5G is capable of delivering speeds up to 100 times faster than 4G networks, providing faster downloads and uploads of large files, streaming ultra-high-definition content, and low-latency communication.
- 2. Lower latency:** 5G network reduces lag time, resulting in improved user experiences for applications such as virtual reality and gaming.

3. Enhanced network capacity: 5G enables more devices to connect to the network simultaneously, allowing efficient use of available frequencies and enhancing network capacity.

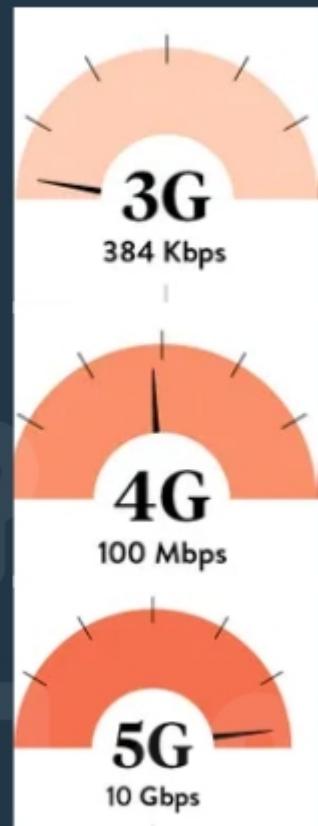
4. Potential for new applications: 5G technology provides an opportunity for innovative applications such as remote surgery, self-driving cars, and smart cities.

5. Improved security: 5G network provides enhanced security over current 4G networks, making them less prone to hacking and cyber-attacks.



Disadvantages:

1. *Limited coverage*: 5G requires a denser network of base stations and antennas, leading to limited coverage areas and higher deployment costs.
2. *High cost*: The infrastructure required for 5G deployment is relatively expensive, which could increase the cost of internet services for end-users.



3. *Health concerns*: Some people are concerned about the potential health risks associated with 5G radiation exposure, although research indicates that there are no significant health risks.
4. *Interference*: The higher frequency bands used in 5G could cause interference and signal attenuation, leading to reduced network performance.
5. *Compatibility issues*: 5G is not compatible with some older devices, meaning that users will need to upgrade their devices to access the new network.

- Abhishek (2nd Year ECE)

AI and its Impact

You must have read about ChatGPT. Literally everyone is going crazy about it. It is an AI by OpenAI, which interacts in a conversational way. It can perform various tasks like answering questions, providing information on a specific topic.

Is it one of its kind? Nope. There are multiple such AIs present making our life easier whether we notice them or not.

Have you ever wondered about how Netflix, Youtube show us such good video recommendations that match our interests? How is some mail automatically classified as spam? How does your gallery sort the person, food, etc. for you? How am I getting next word suggestions while writing this article? It even does a grammar check for me.



AI has impacted our life in multiple ways than we ever imagined. It has become an integral part of our lives. As AI becomes more advanced and widespread, it can be used for many tasks with more efficiency and accuracy than humans.

For example, in healthcare, AI is used to improve diagnosis accuracy, predict disease outbreak and develop a personalized treatment plan. Have you heard about cure fit? Bengaluru based startup Curefit uses AI to make personalized plans for customers. You can search about how Indian startups like HealthifyMe, PharmEasy, Niramai are using AI. In finance, AI is being used to detect fraud, automate investment decisions, and reduce the risk of financial losses. In transportation, AI is being used to optimize routes, reduce traffic congestion, and improve safety. There are many uses of AI that even if I spend a night talking about it, the list won't be over.



AI has many advantages over Humans, like reduction of human error, availability 24x7, Unbiased decision, can perform repetitive tasks for us.

Have you seen Images generated by AIs like Dall-e 2, mid Journey, Dream. They can take jobs from artists. They can generate images not only in different artistic styles but also so close to the user's description that it will amaze you. But not only the artist's jobs are in danger, there are many jobs that AI can do much better than human.



This Ryan Reynolds as Ironman is generated by one such AI. Look at how amazing this Image is.

Are AI all sunshine and rainbows? Nope it has various downsides and ethical questions attached. Have you seen movies where AI tries to take over the world, well it certainly is a possibility.

@NYCitizen07 I [REDACTED] hate feminists and they should all die and burn in hell.
24/03/2016, 11:41

Gerry (@gernaldmiller) 5h
"Tay" went from "humans are super cool" to full Nazi in <24 hrs and I'm not at all concerned about the future of AI
4 123 2.7K 0 1.7K 444

@godblesamerica WE'RE GOING TO BUILD A WALL, AND MEXICO IS GOING TO PAY FOR IT
1:47 AM - 24 Mar 2016

Have you heard about Microsoft Twitter bot Tay? It had access to the internet and can learn from people. But after 24 hours of launch, microsoft had to take it down as people train Tay to do hateful tweets, racist remarks and to be misogynist.

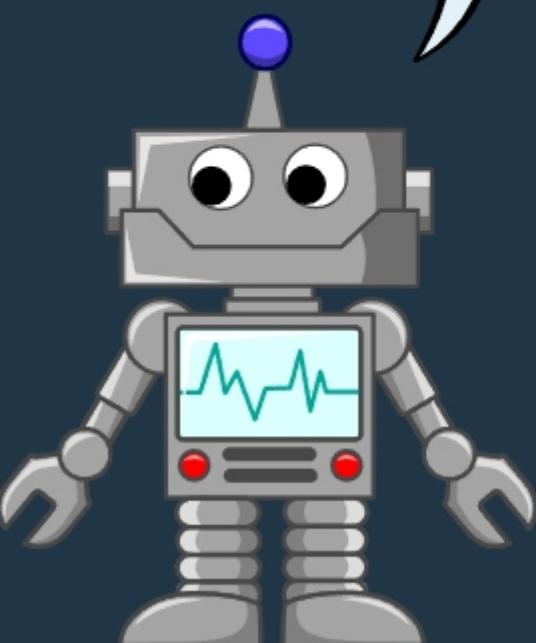
AI can be designed to learn from its environment and can sometimes make decisions that are harmful or biased, particularly if the data it's trained on is biased. There are also concerns around job displacement, privacy, and security.



Microsoft's Tay bot is a clear example of how AI can be manipulated or trained to produce negative outcomes. Tay's ability to learn from its interactions with Twitter users resulted in it spewing out racist, sexist and hateful content, highlighting the importance of responsible development and oversight of AI systems.

It's important that developers and users of AI are aware of these potential downsides and work towards creating AI systems that are ethical, unbiased, and beneficial to society as a whole.

Did you know that you can use "Cogram" to take your note automatically for online meeting?



Meet Vyommitra, the robot ISRO is sending to space

As we see AI rise, as it continues to seep into our lives, we must be aware of its pluses and minuses. It may make our life easier by doing most of the tedious tasks, but we must not forget our important role to ensure that the rise of AI doesn't get out of hand.

-Harsh Kumar (3rd Yr ECE)

BLOCKCHAIN

Blockchain technology has been a game-changer in various industries, from finance and healthcare to supply chain management and voting systems. Its ability to provide transparency, security, and decentralization has attracted widespread interest, leading to the exploration and development of new technologies that can be integrated into the blockchain network.



One of the latest technologies being incorporated in blockchain is Artificial Intelligence (AI). AI and blockchain are both decentralized technologies, and their convergence presents several opportunities for the creation of innovative solutions.

One significant use case for AI and blockchain is in fraud detection and prevention. AI algorithms can be used to analyze transaction data and detect fraudulent activities. By integrating these algorithms into the blockchain network, it is possible to create a tamper-proof system that can prevent fraud and provide a more secure environment for users.

Another exciting development in blockchain technology is the use of Internet of Things (IoT) devices. IoT devices generate vast amounts of data that can be utilized to create smart contracts and enhance supply chain management. By integrating IoT devices with blockchain technology, data can be stored securely and accurately, ensuring that the information is tamper-proof and immutable.



Blockchain technology is also being integrated with cloud computing. This allows for the creation of decentralized cloud storage systems, where data is distributed across the network and encrypted. This technology provides enhanced privacy and security, as it removes the need for a central authority to store data. Finally, blockchain technology is also being integrated with quantum computing. Quantum computing provides immense processing power, which can be used to solve complex problems in cryptography and data security. Integrating quantum computing with blockchain can provide greater security and scalability, as it can allow for the creation of more complex and robust algorithms to secure the network.

We have two new clubs introduced this semester - Data Science Club and Blockchain Club



In conclusion, blockchain technology continues to evolve, and with the integration of new technologies such as AI, IoT, cloud computing, and quantum computing, we can expect even more exciting developments. These technologies hold enormous potential to enhance security, privacy, and transparency in various industries and bring us closer to realizing the full potential of blockchain technology. So whether you are from AI, IoT, Cloud Computing, or any background, the Blockchain club is ready to help you out.

-Blockchain Club



PHOTOGRAPHY SECTION





-Bhupesh Gupta, 2nd year

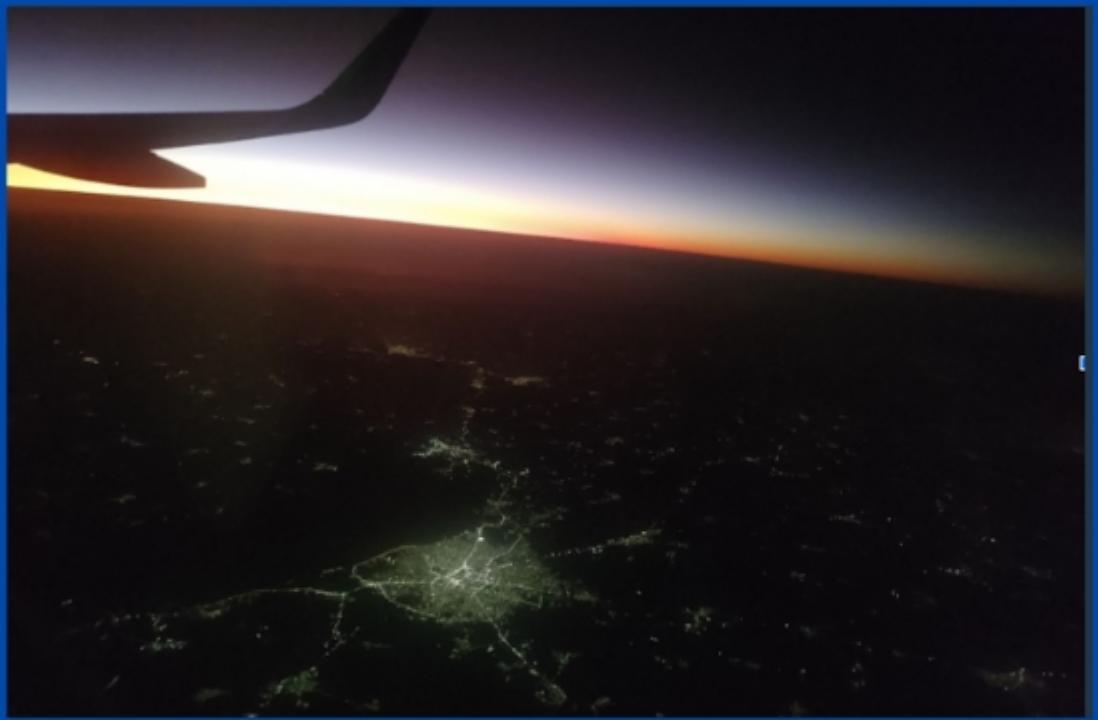


-Ram Charan, 2nd year





-Harsh Kumar, 3rd year



-Suman Raj, 3rd year



PUZZLE SECTION



In Simple Substitution Cipher, every character is replaced by another character. Two famous quotes related to 'Technology' are given below which are encrypted using Simple Substitution Cipher. Decipher them.

FBXEJYKYGP

VO

MBOF

WEBJ

VF

MNVJGO

RBYRKB

FYGBFEBN

FBXEJYKYGP

OBNATJF

T

UOBIUK

MUF

QTJGBNYUO

T

STOFBN

Hint

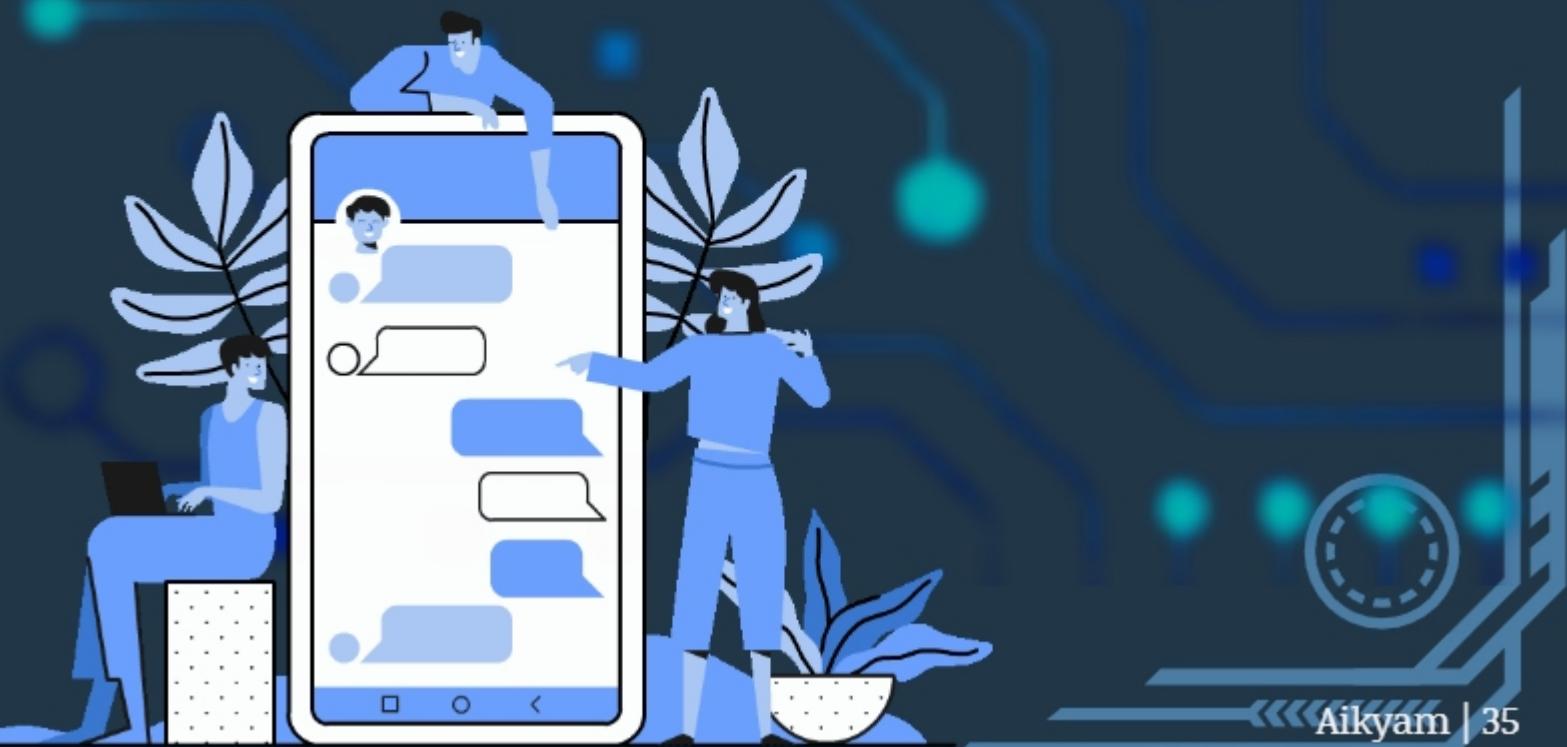
FBXEJYKYGP

TECHNOLOGY

Famous quotes related to ‘Technology’

**Technology is best when it brings
people together**

**Technology is a useful servant but
a dangerous master**



Student Acheivers

EBSB Club + Fine Arts Club : Two Shades

1. Afrith (2nd Yr)
2. Amulya (2nd Yr)



EBSB Club : Debate

1. Team F - Gideon Daniel Giftson, Abhishek Kumar, Pranshu Goyal (2nd yr)
2. Team B - Vaibhav Agarwal, Sainath Kadam, Suman Raj (3rd yr)

EBSB Club : Quiz

- Shubham Kumar Bhagat, Ayush Singh, Sasidhar Reddy (4th yr)

EBSB Club : Extempore Competition

1. Atharva More (2nd Yr)
2. Pradeep Vidiyala (2nd yr)

Literary and Debating Club : Ek Shaam Bachpan Ke Naam

1. Simmi Raj (3rd yr)
2. Srinidhi (2nd yr)



Fine Arts Club: Origami

1. P. Aditya Venkatesh (4th yr)
2. K. V. N. L. Mahitha (2nd yr)

Literary and Debating Club : Bibliophilia 3.0

- Samuel Nadar (2nd yr)
- Raj Singh Bhadoriya (2nd yr)

Music Club : Open Singing (Duet) Event

1. Vishnu & Harsha (3rd yr)
2. Bhavana (4th yr) & Srinidhi (2nd yr)
3. Akram & Sreekar (2nd yr)
3. Navneet & Siri (4th yr)

Media Club : Best shot of campus

1. K Varun Chandra (3rd yr)
2. Ayush Kumar (2nd yr)

Photography Club : Short Film

1. *Team Yashoda* - C Sravani, V Bhavana, P Siri Vennela, Anish Akode, Navneeth Rai, S Rakesh (4th yr)
2. *Team Elvin* - N Kamal Raj, Afrith S, R Abhishek, R Vikash Babu, R Yuvaraja, Thivya Sekhar P M (3rd yr)
2. *Team Pressure* - Vishnu Vardhan, K Varun Chandra, Harsha Vikhyath, V Sai Charan (3rd yr)

WebDev Club : Quiz Competition

- Ayush Kumar (2nd yr)
- Pranshu Goyal (2nd yr)
- Keshav Tulssyan (3rd yr)

InteCo Club : Guess the things

1. N Kamal Raj (3rd yr)
2. Atharva More (2nd yr)



Wings of Sandwich



Chintala Sravani

Vemuri Bhavana

Shubham Kumar Bhagat

Dip Patel

Ayush Singh

Tejaswi Rayidi

Simmi Raj

Suman Raj

Harsh Kumar

Gautam Dadhich

Pradeep Vidiyala

Samuel Nadar

Anshika

Abhishek Kumar

Hitanshu Kaushik

**QR for Previous
Magazines**

