



**REMINISCENCE
E- NEWSLETTER
AUGUST 2023
VOL-8**



"Schools are centres for learning, not just literary and numeracy; but also a place to nurture the holistic development of children."



FROM THE PRINCIPAL'S DESK

Dear Students and Parents,

**MS. GIRDHAR KUMARI
PRINCIPAL**

At Sanskar we promote students to pursue their interest, talent as well as ability, we provide a plethora of opportunities for the same in the form of sports, games and performing and visual activities.

Physical and co-curricular activity can have an immense positive impact on a child's health as well as social, physical and emotional wellbeing. Co-curricular Activities foster the development of confidence and self-esteem through interactions with a number of classmates and educators. Playing sports at any level—club or interscholastic—can be a key part of the school experience and have an immense and lasting impact on a student's life. Among its many benefits, participation in extracurricular and athletic activities promotes socialization, the development of leadership skills, focus, and, of course, physical fitness. From a very early age, playing a sport teaches children valuable lessons about grit, discipline, and teamwork.

Hobbies such as art, craft, playing musical instruments, singing to a melodious tune and many more develop a strong sense of self-identity and a feel good syndrome. Children learn to utilise time effectively and as a result develop self- management skills. We must ensure a safe and conducive learning environment for our young learners wherever they are.

We hope the academic session ahead will be a joyful learning time for all the students. I would like to quote Dr. Suess here, "Children want the same things we want. To laugh, to be challenged, to be entertained, and delighted."

"We are not ahead or behind anyone, but there are a lot of people next to us."-

Anonymous



FROM THE COORDINATOR'S DESK....

RAKSHANDA HAFEEZ

We frequently have a tendency to take things in life for granted, which contributes to our sorrow. When expressed from a pure heart, gratitude brings enormous delight to both the giver and the recipient. A simple "Thank You" can completely change the course of a crisis or a relationship. When performed selflessly, service to others comes naturally as a result of gratitude. Additionally, gratitude should not be expressed with the hope that the greeting or gesture will be reciprocated. Even if we give someone a drink of water out of gratitude and selflessness because we recognize humanly essence in them, it becomes a cause for happiness and satisfaction. The most magnificent and joyful deeds Today's world makes it simple to feel hopeless. The predominant feeling seemed to be one of helplessness. I don't think people lack any control. I actually hold the exact opposite perspective, believing that every human existence is a part of the universe's boundless life energy. Our lives contain the same force that drives the universe. Each person has tremendous potential, and a significant shift in the inner sphere of one person's life has the capacity to drastically alter society. It just needs a humble pull to bring out the best of each other. This internal transformational process is the "human revolution." The crucial first turn of the wheel towards establishing peaceful cohabitation and fulfillment for the entire human race is an inner transformation for the better in one person – one person growing, which no AI can replace.

The two keys to releasing the immense power of hope are maintaining faith in people's inherent goodness and making a persistent effort to cultivate this kindness inside ourselves, as Gandhiji demonstrated. The fight to have this kind of faith in ourselves and others has the power to change an entire society and our upcoming generation. Being an integral part of human or future generation development it is a sincere responsibility of a mentor that one needs to fulfill dedicatedly. Shaping and transforming young minds and personalities, maintaining the uniqueness of each individual is a challenge a teacher meets and faces daily. To come out as a winner is another aspect that we daily strive for. It's with mutual support and utmost care that an individual is carved as a responsible, confident, reflective and balanced human being.

"Education is not just pieces of information combined, it is the learning of virtues ; of wisdom, which gradually leads to knowledge. "



AI and Teachers

With the easy availability of data and information, children struggle hard to learn any substantial knowledge and wisdom from it.

It's the teacher who acts as a facilitator guiding the children, helping them in shaping their character and sparking intellectual curiosity, which can't be replicated by machines.

AI acts as a great tool in imparting facts and figures, but it can't ever supersede the role of a mentor.

Undoubtedly, the use of AI in education has beneficial results. It helps in providing ideas, content, enables remote learning etc. The use of AI is very objective and restricted to a certain extent. On the contrary, physical classes and teaching produce effects which surpasses all the assumptions .

Lastly, "A teacher affects eternity; he can never tell where his influence stops." So, it's the teacher who acts as a guide in facilitating the learning of knowledge, even when AI would be here; for as long as perpetuity.

SHRADDHA TIWARI
ENGLISH TEACHER



*"Without mathematics,
AI wouldn't exist
today. That is why
learning maths has
become so important."*



Mathematics in AI: Is this the future?

Mathematical topics like linear algebra, probability, calculus, vectors, matrixes, functions, gradients, and information theory are all topics that are likely to help you develop your own AI program.

Mathematics is fundamental to the development of Artificial Intelligence (AI). Machine learning relies on statistical models and algorithms to allow machines to learn from data. Mathematical concepts such as neural networks and Bayesian inference enable AI systems to recognize patterns and make intelligent decisions. Mathematics also plays a vital role in data processing, image recognition, and optimization techniques. Fairness and transparency in AI are addressed through statistical bias and fairness metrics. As AI continues to advance, a strong mathematical foundation and collaboration with computer science are crucial. Mathematics will shape the future of AI as it becomes more complex and pervasive.

Mr. ARVIND SHARMA
MATHMATICS FACILATOR



**"Do not worry about your
difficulties in Mathematics. I can
assure you mine are still greater."
- Albert Einstein**



THE IMPACT OF AI

Through this Newsletter I would like to take the opportunity to enlighten you with the changes or development that had taken place in the field of Mathematics in relation with AI. **AI is Changing MATH Education** by providing individualized challenges and adaptable learning platforms. In the learning process, retaining a personal touch and appropriate execution are both stressed in my article. AI makes it possible for **Teachers and Homeschooling Parents to Assist Pupils** in understanding difficult mathematical topics. The limits of mathematical research and creativity have been redefined by the marriage of artificial intelligence (AI) and mathematics. This shared information takes you on a tour through the development of AI's function in mathematics throughout history, exhibiting practical instances of its effects on many mathematical fields.

Historical Change:

From the middle of the 20th century, AI and mathematics have developed historically, with early innovators realizing the potential of computers in computations. The full influence of modern AI approaches on mathematics is revealed.

The **Four-Color Theorem** was proved to be true by **Kenneth Appel** and **Wolfgang Haken** in **1976** using AI-driven algorithms. This proved that maps may be colored using only four colors without neighboring regions having the same color.

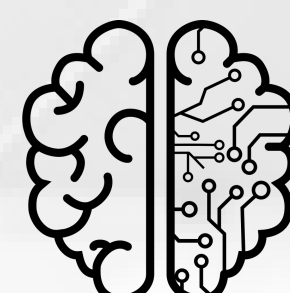
The **1980s** saw the introduction of **Mathematica**, which allowed for sophisticated algebraic operations, calculus, and problem solving. Large integer factoring has become faster because to AI-powered tools like Erd's number and RSA encryption, which has implications for number theory and cryptography.

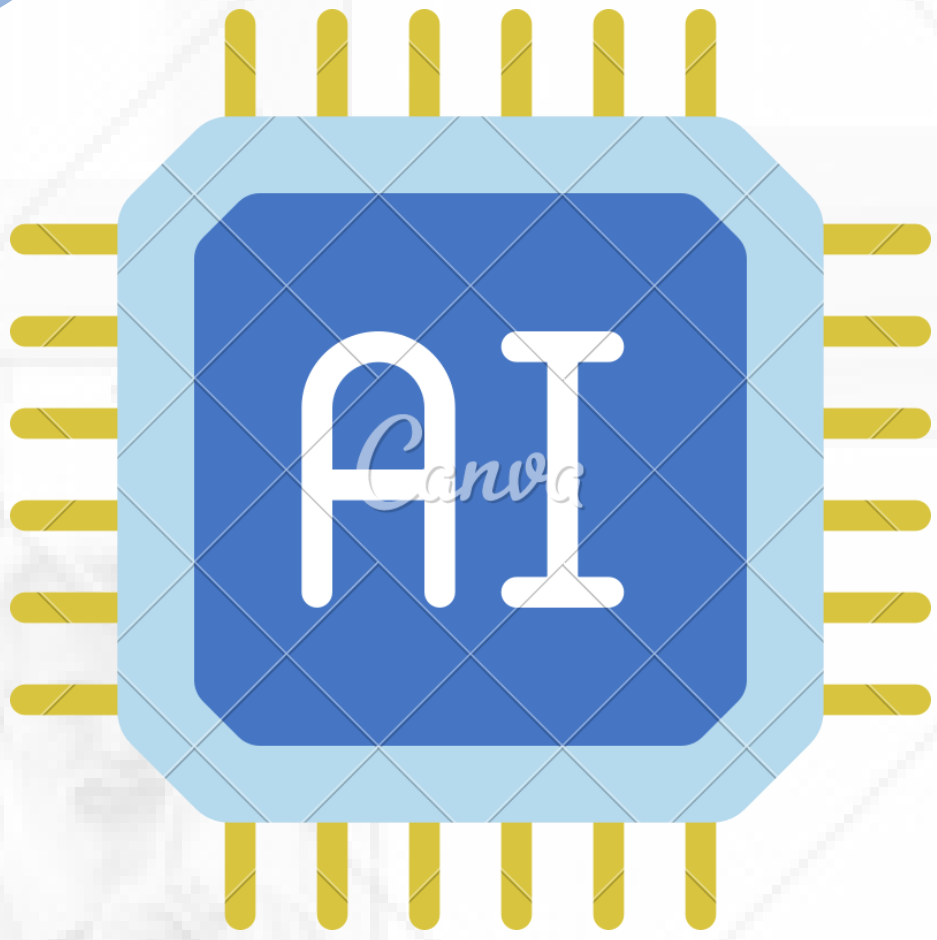
Symbolic Mathematics Enhanced:

Example: Wolfram Alpha's Mathematical Knowledge Engine: By solving equations, computing integrals, and providing thorough solutions, Wolfram Alpha revolutionizes symbolic mathematics and empowers students, researchers, and professionals.

Mathematics Education Revolutionized:

Example: Khan Academy's Adaptive Learning Platform: The adaptive learning platform from Khan Academy employs AI to tailor math instruction by examining student performance and patterns and offering customized practice activities and real-time feedback.





Today, we stand at the threshold of an era marked by remarkable technological advancements.

Artificial Intelligence, or AI, is the art of creating machines that can simulate human intelligence, capable of learning, reasoning, and problem-solving.

Artificial Intelligence is not just about machines, it's about the incredible potential of human thought and innovation. Yet, as we embrace AI's potential, we must also navigate ethical considerations. Ensuring fairness, transparency, and accountability. AI is very beneficial to society and has a huge potential to do great things in the world. AI is shown to make life easier and more precise in both the workplace and the home, which is the whole main goal. Let's harness the potential of AI to create a world where technology serves as a tool for progress, innovation, and positive change.

Ms. PRIYANKA YADAV
S.ST Facilitator



merci!



L'IA DANS L'ÉDUCATION

L'intelligence artificielle fournit une solution sécurisée pour garantir l'intégrité des évaluations du système de test en ligne de manière rentable et évolutive.

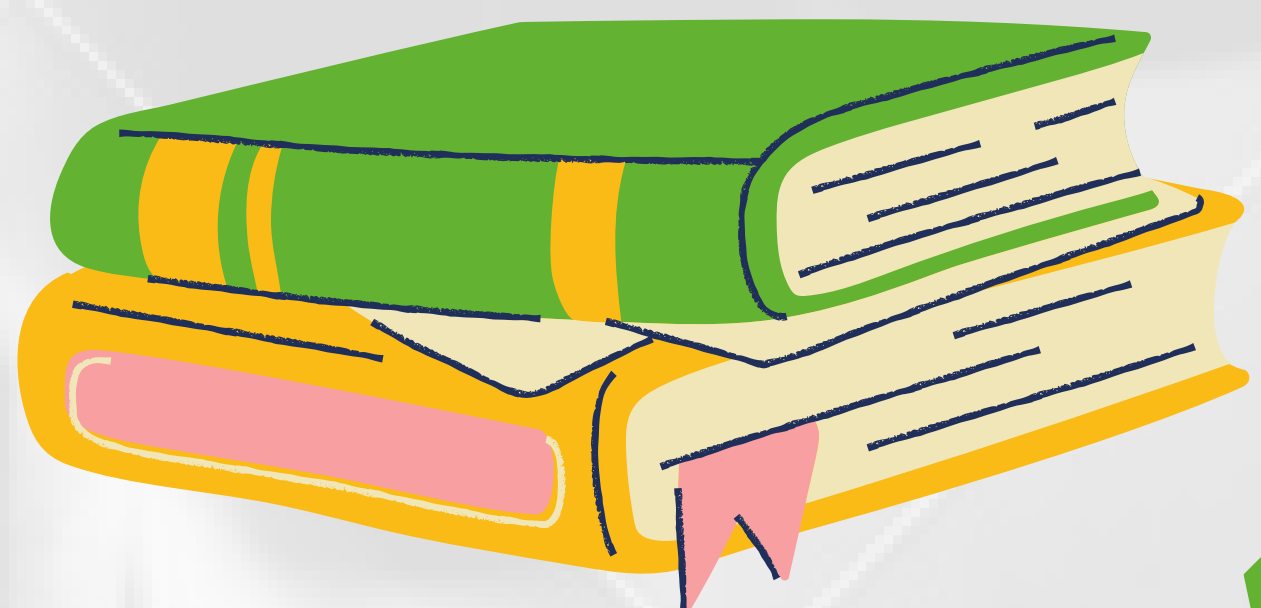
L'utilisation de l'IA peut réduire, voire éliminer, le besoin de superviseurs et d'inspecteurs physiques et rendre le déploiement beaucoup plus évolutif. Et grâce à la supervision en ligne assistée par l'IA, ces incidents sont automatiquement mis en évidence. Les avertissements sont également souvent automatisés.

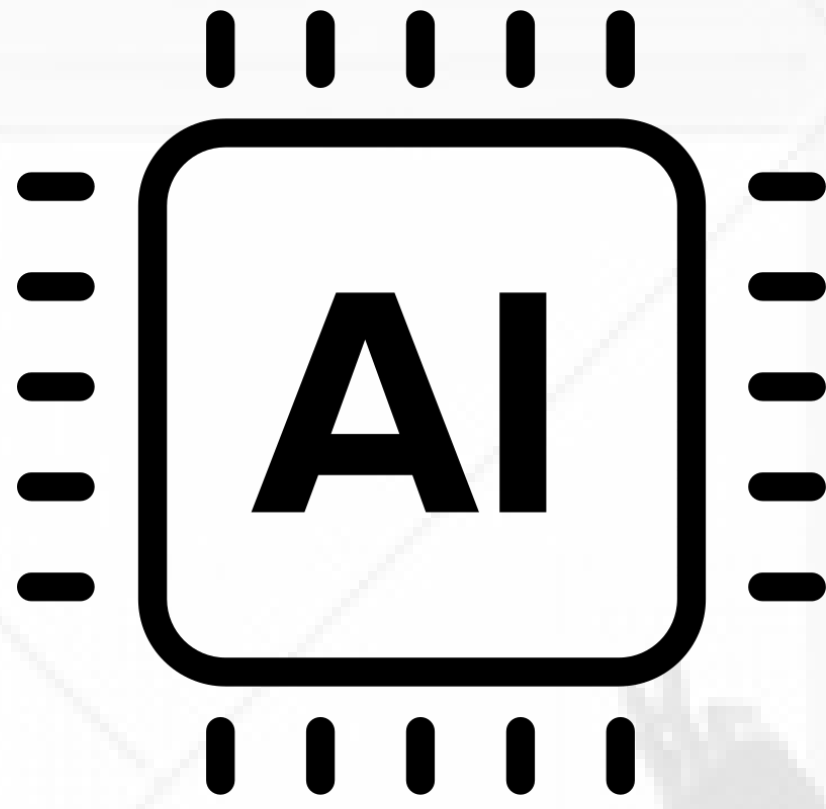
Cela rend le système assez fiable pour effectuer des examens à enjeux élevés sans les tracas et le risque d'aller dans un centre pour passer le test. On peut effectuer des examens en ligne pour les utilisateurs distants en toute sécurité grâce à la surveillance à distance alimentée par l'IA.

Un moyen sûr et économique d'empêcher la triche lors des examens en ligne. Les algorithmes du système peuvent aider à détecter et à prévenir la triche pendant le processus d'examen en ligne.

Des chat bots à l'automatisation, nous voyons l'IA se développer de jour en jour dans le secteur de l'éducation également, et nous n'avons pas encore vu et expérimenté de plus grandes applications d'IA à l'avenir.

Dayanand Sharma
Faculté -French





तकनीक और मनुष्य

वर्तमान में तकनीकी विकास बहुत तेज़ी से हो रहा है। हर काम को शीघ्र तथा आसानी से करने के लिए मनुष्य नित्य-प्रति नई-नई खोजें करता जा रहा है। कई संस्थान तथा वैज्ञानिक इस क्षेत्र में दिन-रात काम कर रहे हैं। इन नई मशीनों और इन्टरनेट ने मनुष्य के जीवन को बहुत आरामदायक बना दिया है।

आरामदायक जीवन की अभिलाषा मनुष्य को विलासिता की ओर धकेल रही है। मनुष्य आज एक बटन दबाकर अपने अधिकतर काम करने लगा है। वह अपने स्थान से हिलना ही नहीं चाहता। पहले मनुष्य शारीरिक श्रम से जी चुराता था लेकिन आज तो वह मानसिक श्रम भी नहीं करना चाहता है। इसके लिए मानव ने कई साधन खोज निकाले हैं।

आजकल छात्र अध्यापक द्वारा दिए गए गृहकार्य को करने के लिए भी चैट जी. पी. टी. जैसी आधुनिक तकनीक का सहारा लेते हैं। हम आजकल यह सोचकर किसी का मोबाइल नंबर याद नहीं रखते हैं कि हमारे मोबाइल में सबके नंबर संरक्षित हैं किन्तु जब हमारा मोबाइल कहीं खो जाता है तो हम लाचार अनुभव करते हैं।

यह साधन जहाँ एक ओर हमारे जीवन को सुगम बना रहे हैं वहीं इनके अधिक प्रयोग से मानव अपने मित्रों और सम्बन्धियों से दूर हो रहा है तथा अपने कार्यों और सोच की मौलिकता को खोता जा रहा है। हमारी स्मरण शक्ति पर भी इसका बुरा प्रभाव पड़ रहा है। इन समस्याओं से बचने के लिए हमें तकनीकी साधनों पर निर्भरता कम करनी होगी।

हिंदी विषय अध्यापिका
श्रीमती शीतल हांडा





Revolutionizing Education: The Role of Artificial Intelligence in Teaching Physics to School Students

Artificial intelligence (AI) has emerged as a disruptive force across numerous industries in the era of quick technology breakthroughs. Education is one such area where AI is having a huge impact, particularly when it comes to teaching schoolchildren difficult subjects like physics. By utilizing AI, educators are transforming conventional teaching strategies and giving students access to more effective, engaging, and individualized learning opportunities.

A difficult science for a long time, physics is known for its abstract ideas and complex mathematical constructions. Many pupils frequently find it difficult to understand basic concepts and picture complicated situations. The various learning styles and paces of different students may not always be accommodated by conventional teaching approaches, which rely on texts and lectures.

AI empowers teachers rather than replacing them. Teachers can use AI-generated insights to better understand the learning processes of their students. Teachers can choose effective instructional tactics and interventions if they have access to more precise data on student performance and engagement. This enables them to concentrate on offering specialized help and encouraging an atmosphere of cooperative learning.

The way physics is taught in schools could be changed by artificial intelligence to become more effective, engaging, and individualized. Students can gain a greater grasp of the fascinating realm of physics by utilizing AI-driven platforms, interactive simulations, individualized learning routes, and real-time feedback, which can help educators improve the learning experience. AI's involvement in education is anticipated to grow as it develops, eventually defining a new era of learning that is both technologically cutting-edge and intellectually stimulating.

Manish Kedawat
Physics Facilitator

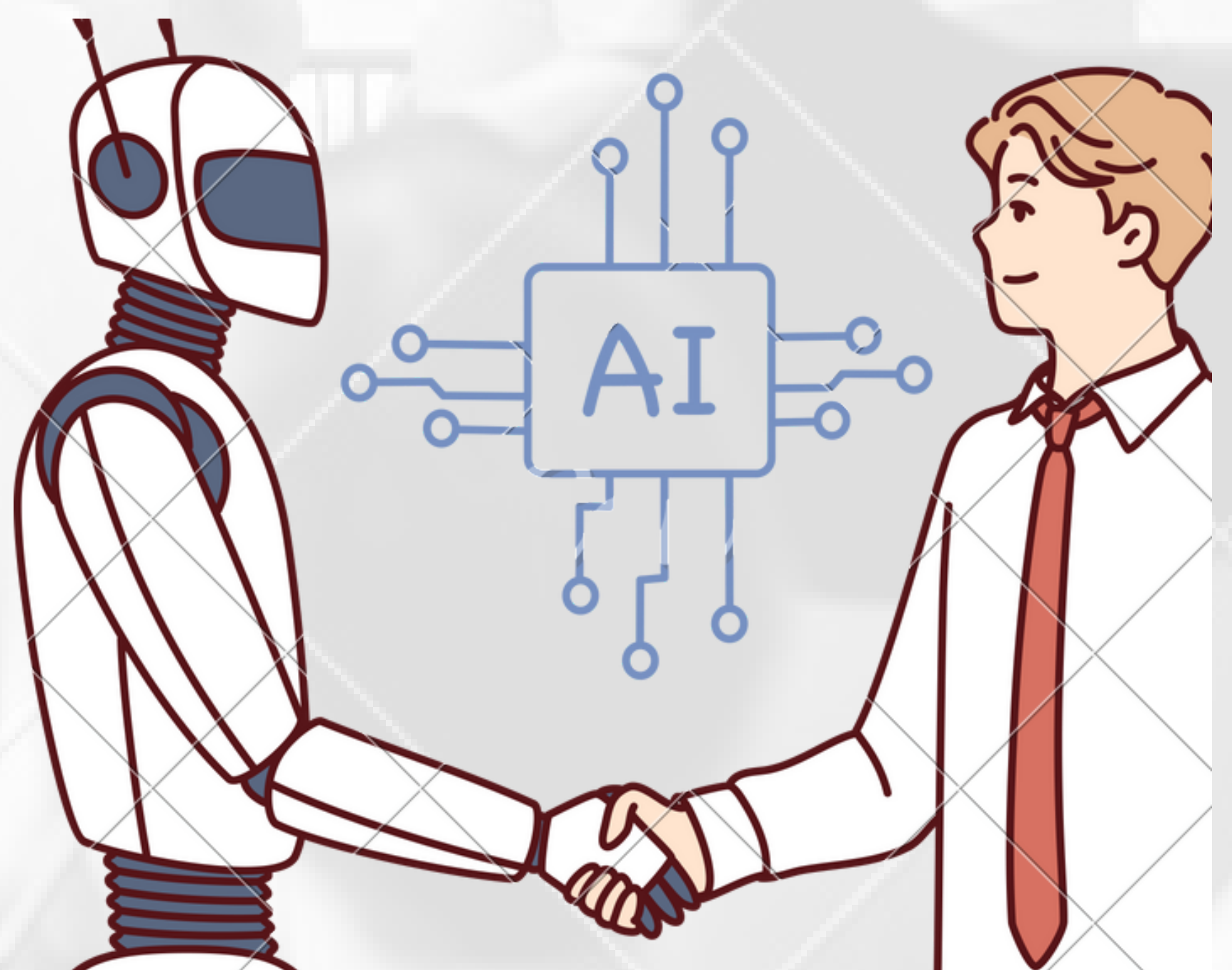
***"The science of today is the
technology of tomorrow." -
Edward Teller***

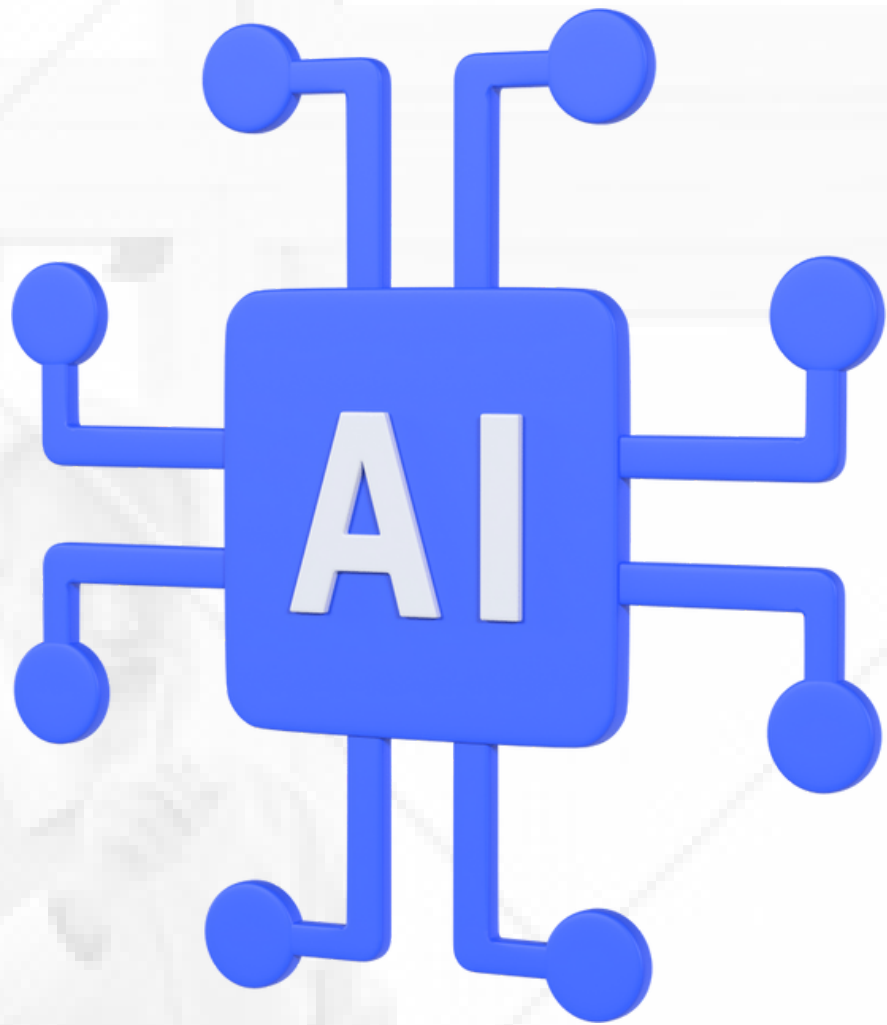


Technology and Artificial Intelligence

Technology and artificial intelligence (AI) have become inseparable companions in shaping the modern world. AI, the culmination of human ingenuity, empowers machines to mimic human cognitive functions, fostering remarkable advancements across various industries. From personalized recommendations in entertainment to sophisticated medical diagnoses, AI's ability to process vast amounts of data and derive insights has revolutionized how we work, communicate, and live. As technology continues to evolve, the synergy between AI and other technological innovations is propelling us toward a future where the boundaries of possibility are constantly expanding, promising both unprecedented opportunities and challenges that demand thoughtful consideration.

SHANU CHOUDHARY
ICT FACULTY

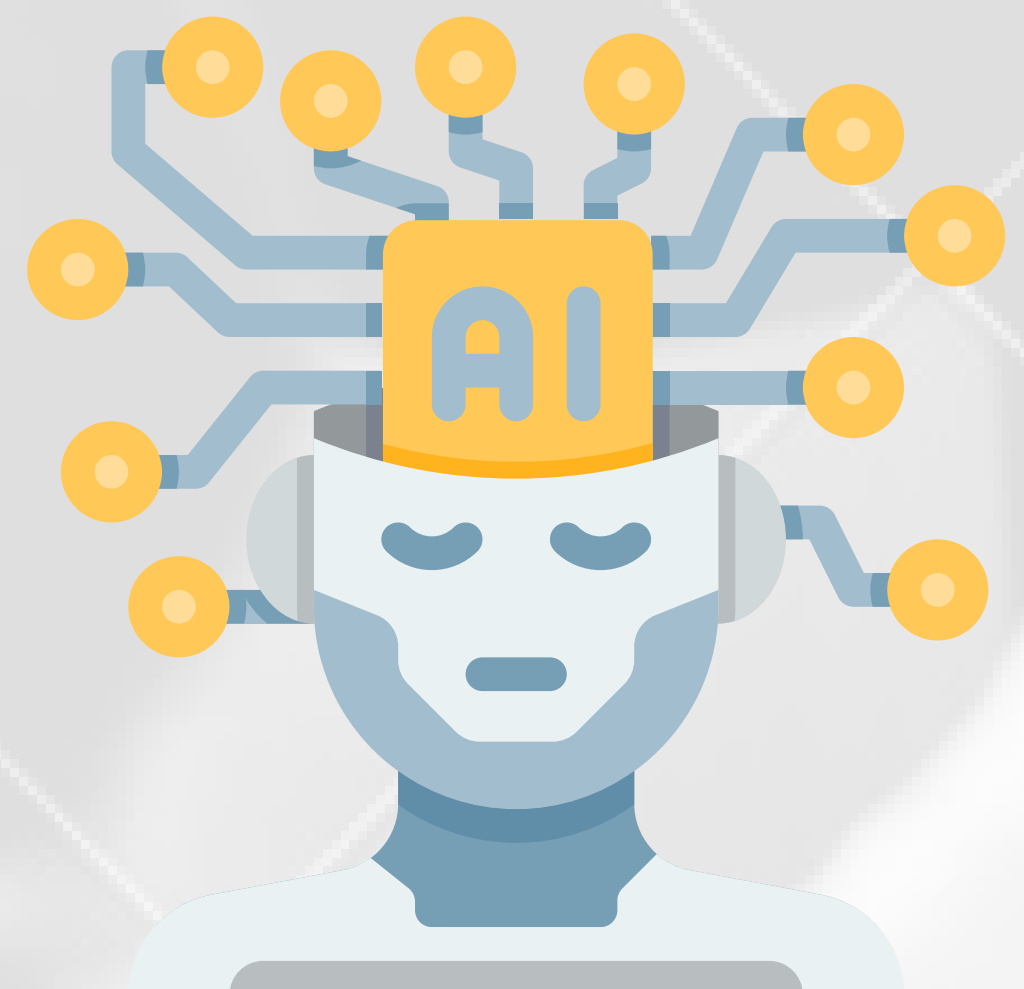




IMPACT OF AI

Artificial Intelligence is the intelligence possessed by the machines under which they can perform various functions with human help. With the help of A.I., machines will be able to learn, solve problems, plan things, think, etc. Artificial Intelligence, for example, is the simulation of human intelligence by machines. In the field of technology, Artificial Intelligence is evolving rapidly day by day and it is believed that in the near future, artificial intelligence is going to change human life very drastically and will most probably end all the crisis of the world by sorting out the major problems.

Article by
Paarth Anand Asthana, IGCSE - 1





Sustainable Development Goals

In 2015, the United Nations introduced the Sustainable Development Goals (SDGs). These are the universal goals designed to address the environmental, political and economic challenges facing our world. The 17 goals are interdependent and aim to solve some of the world's most global challenges we face today, such as poverty, hunger, health, education, gender equality, and climate change. We all have a part to play in achieving the Sustainable Development Goals, whether we're individuals or organizations. We can start by educating ourselves about them and taking action such as volunteering with local organizations, and donating things we no longer need. Every action counts big or small, it can make a positive impact. Together, we can build a sustainable and just world for current and future generations. Let's keep pushing towards achieving the SDGs and making the world a better place for everyone.

TANMAY GUPTA
IGCSE YR-1



An Experience at Investiture Ceremony

On 19th July, our school held the function to appoint new council members for the academic year 2023-24. I was one of the candidates for the post of club secretary. It was a very exciting and nerve-wrecking experience for me.

In the ceremony it got announced that I was elected as a council member, I was overjoyed to hear that. I felt a surge of happiness and relief. I was congratulated by my fellow classmates, who were very gracious. I also received a lot of applause and cheers from my friends. I felt very proud and honoured.

But, as the reality of the appointment dawned, a mixture of excitement and nervousness enveloped me. The ceremony started with the passing of the torch from the previous student council to the newly appointed members. This symbolic gesture embodied the transfer of leadership and values from one generation to the next. Witnessing this transition brought home the idea that leadership is not just about titles, but about upholding the values that form the bedrock of the institution.

On that morning, as we gathered in the school auditorium, it was evident that some of the new to be elected council members were nervous or unsure of being a part of the ceremony and receiving the badge. The knowledge that everyone was nervous eased the burden of anxiety in me.

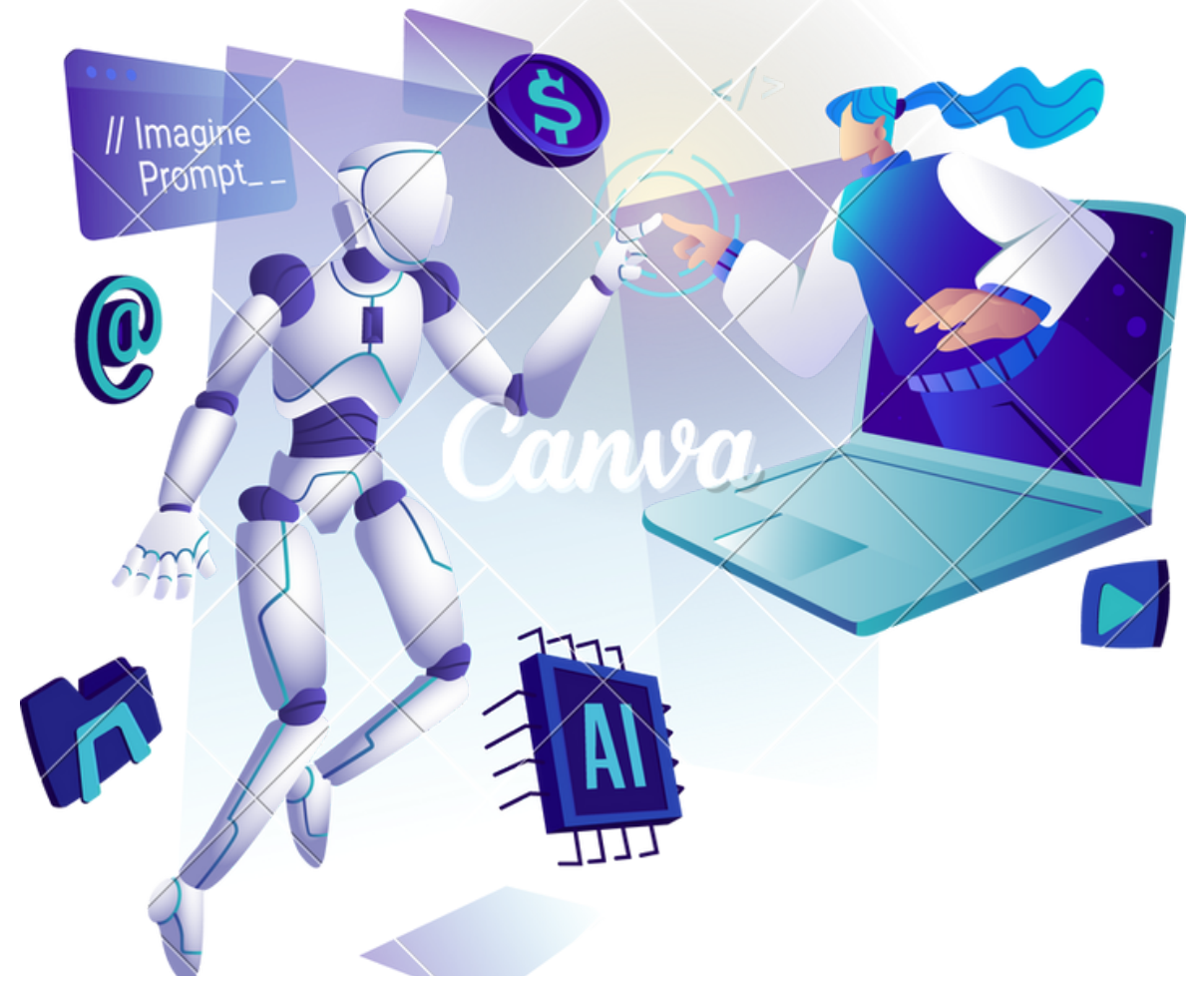
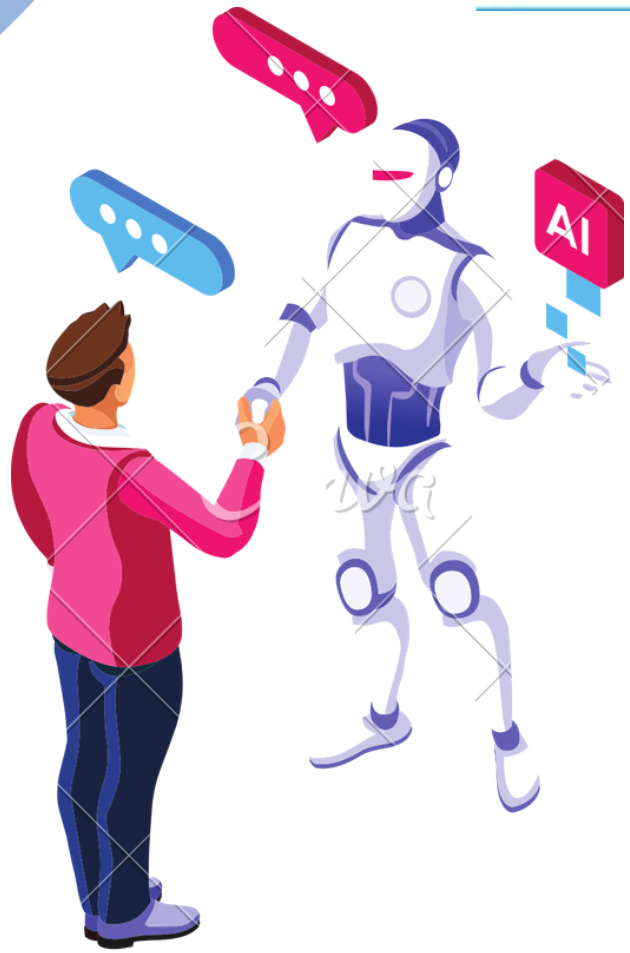
The burden was only eased until the audience started to show up and later when it came to cheering the new badge holder, the claps were loud, relaxing us of our anxiety.

Finally, it was my turn to receive the badge, I had mixed emotions of anxiety and joy, that clearly reflected in the photographs.

The function ended with a pledge ceremony, after the new council members were given badges and sashes were given to the head boy and the head girl along with the house captains. We also took the oath to uphold our duties and responsibilities with honesty and integrity.



HRITANK CHOUDHARY
IGCSE YEAR II

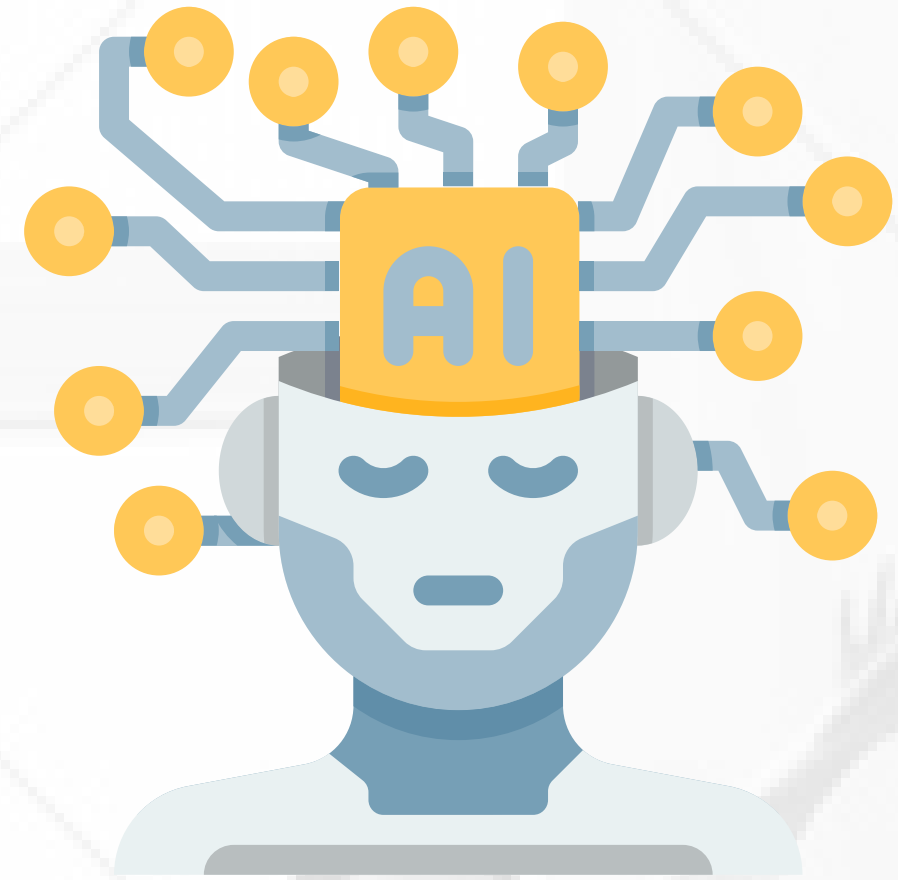


AI has become a big part of our lives, and now with advanced AI, readily available, free of cost and so efficient who would be dumb enough to not utilize it? It is almost perfect, not to mention that AI has brought some really awesome changes that make life as a student even more exciting!

Imagine having a super smart friend who can help you with your homework anytime you need –that's an AI-powered study tool. They can explain tough concepts, suggest great resources, and even quiz you to get ready for tests. Plus, AI study bots personalize lessons just for you, making learning super fun and tailored to your interests. And remember all those times when you didn't know what to write in your essays? Well, an AI can suggest ideas and make your writing super impressive.

All that sounds amazing, but it also has some downsides that students like us should be aware of. Do you know how your computer and phone seem to know everything about you? Well, that's because of AI, and it can sometimes feel like our privacy is being invaded. Another important thing is that AI can learn from biased information, which means it might not treat everyone fairly, It's like studying from a book with only one side of the story, And lastly but most importantly and surely, sometimes relying a little too much on AI could make us a lazy and less creative, because I'm sure we have all used chatGPT to do write one assignment for us or another, but doesn't this take a bit of our writing skills and learning opportunity away?

To conclude this, in my opinion, AI should be used to an extent, if anything is a little too overused it is going to inevitably cause problems and have its downsides, nothing is perfect, not even AI, And I know it would be absolutely ridiculous of me to go on and say that “don't use AI”or something like that because with our leading future, AI is unavoidable, so all I’ll say is go on, use AI all you want but make sure that you have your limit of dependency on AI.



AI , or Artificial Intelligence, is a transformative technology that has been making significant strides in recent years. It involves the development of computer systems that can perform tasks that typically require human intelligence, such as learning, reasoning, problem-solving, and speech recognition. AI is employed across various industries, including healthcare, finance, transportation, and entertainment, bringing about increased efficiency and innovation.

AI has been making headlines for its advancements and potential impact on society. Researchers and developers are constantly pushing the boundaries of AI capabilities, from creating sophisticated language models like ChatGPT, to developing self-driving cars and AI-powered medical diagnostics.

Overall, AI's rapid progress and integration into various aspects of society signify that it will continue to shape the world we live in, prompting us to explore the potential and risks it brings and to find ways to harness its power for the greater good.

YAJAT GUPTA
CP6





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**"LEARNING NEVER
EXHAUSTS THE MIND."**

—LEONARDO DAVINCI

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LABOUR DAY

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