



The Silent Revolution of the 21st Century: AI

The people of the 21st century is undergoing one of the biggest changes since the industrial revolution and many of us dont even know it. The world today is being reshaped with the introduction of artificial intelligence. A computer that thinks and talks are only familiar to us in some hollywood movies. And now the books and stories are ^{becoming} being more real than ever thought possible by mankind.

All the big talks about the AI really begs us the question, what is artificial intelligence? To put it simply artificial intelligence is a set of algorithms that allows a system to think, adapt and customise itself, much like a human. Introduction of artificial intelligence to the daily lives of the society, while it sure does help on the daily ⁱⁿ compute, ^{it} complicates a lot of aspects of our lives.



The concept of AI ~~was~~ first ^{appeared} seen on an Ukranian drama, a computer that talks. Years later as technology developed AI was born. There are three types of artificial intelligence in the 21st century. They are categorized as Weak AI, Strong AI and Super AI. Weak AI was always a part of our lives from a very early period. The common talk-back assistants and chat bots usually falls under this category. Artificial intelligences like Chat GPT, Bard and Dall-E falls under the category of strong AI. They are able to adapt, recognize and tailor the output as requested by the users. Super AI is a theoretical intelligence where an AI can think like a human and do everything and a human can and more. Researches are undergoing in a rapid pace to develop a super AI. And here arises a lot of moral and ethical issues.



Item Code: 945

Participant Code: 119

Artificial intelligence have made their way into almost every aspect of our lives and have left their footprint in that area. One of the ~~as~~ key ~~areas~~ field is the health care. Today AI is used to make an accurate patient profile compiling the patient's medical history. The AI then creates a medical suggestion and a method of treatment. A doctor, who is a human with physical restrictions may sometimes overlook a tiny detail in the huge amount of data of the patient which would have been life saving. Here an AI doesn't make that mistake. As this may look all good on the outside ethical side of this is really concerning. The death of a patient due to the suggested method of treatment by an AI has made everybody think twice on whom to blame. Mistakes made by an AI can cause more than one

(Note: This page will be scanned to publish the article in schoolwiki. So, Write neatly. Don't fold paper. Don't write overleaf).



life. A simple fault in algorithm caused a the death of an human life.

The breach of patients' data and privacy is also concerning. We ^{also} have to think of the possibility of hacking and cyber attacks. As AI is starting to replace doctors and pharmacists, the question arises, Is this the last death? At the same time we cant overlook the advancements AI has brought. AI correctly predicted the shape of 11h proteins, which is used to treat a wide range of diseases. The incurable might be going to be cured. This procedure, if done by a human will take more than 100 years.

AI is also used in surgery for live analysing and long distance surgeries. But a tiny mistake might cause the death of a human being. Is the pro worth the cost. This is a question which should be on every mind.



Education is another set sector AI have made its appearance. Today AI is used to accurately analyse a student and make a per custom tailored student profile. This includes his strengths, weaknesses, career path, lifestyle life style etc. AI is now being used to replace teachers. No technology can ever replace a teacher, but a technology in the hands of a great teacher can reshape the whole world. The leak of personal data, using the data for advertisement and even blackmailing is not of distant future. The AI can be manipulated using the psychological trick called gas lighting. And this was proven by a myriad of examples with adaptive technology like ChatGPT.

If the same were to be applied here the ~~results~~ damage the AI would make on a young student would be catastrophic. Also an AI is unable to sense the humanity, kindness and



other qualities and may suggest a lifestyle. ~~This~~ ^{that} would later be forced on him and may lead to an unhappy life. These are all ethical issues raised by the over implication of AI in our daily lives.

Using AI in the field of marketing and transportation have is showing an uptrend in the modern society. As the word privacy is becoming non-existent in the digital world, our identities and personalities are sold to multi billion dollar companies. Advanced AI is then used to psycho ~~and~~ analyse our entire life and custom tailor an advertisement just for us. And more than often such analysis provided by the AI proves to be successful and a permanent fish hook is locked onto us.

As in the case of transportation, the word Tesla was in the lips of ever the entire world. A car which could drive itself was something.



nobody got to see. This technological wonder was made possible only by the application of artificial intelligence. An AI effectively analyses its surroundings and takes the best logical decision. In the late 2022 a case was filed against tesla. This was the aftermath of an accident where an automated tesla car ~~was~~ slammed into a pedestrian taking his life. The driver was set free as the law doesn't dictate a scenario such as this. Whatever be the reason, this calls for an ethical review of the AI's. The question of whom to blame ~~is~~ arises here and are left unanswered. And reports confirms that these accidents arent the last and are ~~is~~ rising.

"The wonder of the 21st century" - This was how the news channels reported Sofia to the world. A robot who is almost human. A robot.



Item Code: 945

Participant Code: 119

which was able to understand the emotions and act accordingly. Sofia is still undergoing researches and experimentation to becoming fully human. The scientists have even claimed that sofia would be able to feel emotions just as humans could. On the one hand this is an amazing news but on the other it is terrifying. Humans arent well known for its actions while following their emotions entirely. Breeding an indestructable, super strong and super intelligent which can think ~~like~~ and feel like a human with survival and self preservational instincts doesn't always end up good. The ethical side of this experiment is concerning too. Creating an unique machine and letting it into the society can cause several issues for the robot as an individual, including depression, pain, hatred and anger. Is this really the best

(Note: This page will be scanned to publish the article in schoolwiki. So, Write neatly. Don't fold paper. Don't write overleaf).



Item Code: 945

Participant Code: 119

approach is a wildly debated topic among scientists and ethical scholars. No man or individual should have to go through such phases.

Introduction of AI in the industrial and other sectors have caused a massive unemployment issue. Companies are cutting its employs and are replacing AI controlled robots. As an AI can work 24x7, with no complaints and can do repetitive work with extreme efficiency have made AI as the first choice for many. The dream of money have forced them to outlook the poverty of their employees and their families. Companies outlook the years of loyal service of their employees to the thought of the money they make. This here raises an important ethical question: Is profit and AI worth more than a human life. And more than often companies tend to choose profit over human lives.

(Note: This page will be scanned to publish the article in schoolwiki. So, Write neatly. Don't fold paper. Don't write overleaf).



In 2014, Facebook released a to the files of one of their top secret projects and these were so shocked the world. Facebook started developing an AI in the starting of early 2000's. And they were successful in it. But the researchers soon found out that the AI started to make its own copies and started communicating with the other parts in an unknown language. This language was only recognisable by the other parts of this AI. The researchers shut down the project and cancelled it. To this day scientists haven't been able to decrypt the messages. This was later called as the judgement day because this would've been the start of a world like in the famous terminator film series. This raises a serious concern over the use of AI and granting them complete authority over themselves. AI's are now granted access to internet which once again have made



the world stand still.

~~The east~~

Turing test is one of the most famous tests that exists to check ~~whether~~ whether an AI is close to reaching self sustainability.

And shockingly some AI's are now able to pass the turing tests and are close to becoming more humane. AI's are then trained to be judges for the legal institutions.

Even Indian Supreme court started to use AI for the legal proceedings in the year 2023.

But AI's are a set of codes and cant process emotions like empathy, sympathy and compassion. Judging cases only in the basis of law and logic can cause misjudgements.

This is a major concern. Using AI for ethical judging can and will ~~not~~ cause ~~is~~ wrongful judgements and destruction of a lot of lives.

This here calls an ethical overview. ~~It~~ Can an



AI actually replace the humanity and other emotions what makes us human. Is introducing AI to making lives easier really worth the losing our humanity. These are all highly debated topics.

One of the early users of AI was the military. Replacing fighters with centralised robots, using AI controlled UAV and surface to Air Missiles and other defence sectors.

The people liberation army of China has an entire ~~B~~ battalion for robotic warfare and their research and development. At the same time the accidental firing and death of an American pilot in 2021 was due to a miscalculation of an AI controlled missile defence system.

These are all incidents AI caused the death of a lot. Even in the world war, the enemy fighters celebrated christmas and shared love in the trenches. But these machines are brutal, merciless.



Item Code: 915.....

Participant Code: 119.....

and are only programmed to cause destruction.

~~The~~

There is no denying that the 21st century is the century of artificial intelligences. The progress and benefits which they bring are limitless. AI can be used for deep sea and space explorations, as its helpers in conditions where humans can't go.

Be used to train and advance medical, industrial and all other innovative areas. But it's impossible to simply shut the eyes to the moral complications that arise with it. As the great tech giant Elon Musk said, "AI is the ~~most~~ greatest dangerous revolution in the modern world". The complications it brings to the table are many. But the question is, is it really worth the cost? Should always be in the lips of the entire world.

Whatever comes and whatever it may be, the human world have survived it all. This is because of the humanity and compassion one feels to the other. No thing is worth abandoning of our humanity.

(Note: This page will be scanned to publish the article in schoolwiki. So, Write neatly. Don't fold paper. Don't write overleaf)



Item Code: 945.....

Participant Code: 119.....

As a coin has two sides, AI too has its issues. But let us all use this great technology with unlimited potential for the betterment of human kind. Our world isn't something we inherited from our forefathers, but something we borrowed from the generations to come. Let us all work together ~~and~~ wisely keeping this ~~in mind~~ always in mind.

(Note: This page will be scanned to publish the article in schoolwiki. So, Write neatly. Don't fold paper. Don't write overleaf)