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RESEARCH PAPER ON THE ETHICAL DILEMMA OF ARTIFICIAL INTELLIGENCE : EXAMING THE INTERPLAY BETWEEN LAW, TECHNOLOGY AND SOCIETY

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ABSTRACT :

The changing time proved that evolution is a considerable requirement of the entire world and it is observed in different sectors out of those one is "Artificial Intelligence". Artificial Intelligence is the ability of machines or computer systems to perform tasks that would typically require human intelligence to complete. These tasks may include things like visual perception, speech recognition, decision-making, and natural language processing. In the earlier times there was no existence of internet and other technology, but now in the present era Artificial Intelligence is the technology, that is used to operate the technology itself and it is also taking away the roles of other individuals by performing tasks in just fraction of seconds. The Artificial Intelligence proved to be a valuable asset for mankind, but it has a side that could lead to massive destruction in the near future. It also refers to giving up technology its own ability to think and decide i.e. similar to that of the human beings. Artificial Intelligence is a mind boggling example of growth and development, but still it shouldn't be given more importance than the present roles of human beings. There are many ethical issues that are arsing because of fast forward application of the Artificial Technology and the major aspect lies behind the question that who will be considered liable for any kind of mishappening. This field still requires more stability and laws that could lead to its practical implementation.

Keywords - Artificial Intelligence, ethical issues, mankind, machines and computers.

INTRODUCTION :

The entire society is based on the changes adapted by the human beings and these changes are so constantly changing that they are termed as "technology". In the earlier times it took more efforts and time for the people to complete a task as compared to todays generation, just because of more technology and resources available in the present times. The major chunk of this technology is Internet and its development in the recent times have proved that it can be beneficial to the greatest extend for the human race whether it is in the field of education, simplifying tasks, engineering and medical science etc. The remote to internet was in the hands of an individual, but now by the means of Artificial Intelligence, Internet got its own independent brain to think and decide and to simply tasks to a new dimension. Artificial Intelligence is the ability of machines or computer systems to perform tasks that would typically require human intelligence to complete. These tasks may include things like visual perception, speech recognition, decision-making, and natural language processing. Artificial Intelligence reduces the time frame that we humans take in between of executing a task. It provides the thinking ability to the source such as internet or any other technology to take decisions own its own . The

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main agenda of introducing Artificial Intelligence was to increase efficiency and effectiveness in the day to day lives of people and to prove it to be the greatest asset for the entire mankind. Artificial Intelligence is so versatile that it started replacing human jobs such as doctors, drivers, engineers and many more which is creating lack of employment for such people. Apart from the well-polished and established side of the Artificial Intelligence, it has a hidden identity which shows the direction towards the entire exploitation of the human race. The occurrence of many ethical issues have proved that the Artificial Intelligence in the present era requires more stability and development. Fast upgradation is essential but it shouldn't create obstacle for the human race1. The fast implementation of Artificial Intelligence will only lead to many loop hopes that will create issues in the near future and there is lack of laws in the present times that could control its regulation.

Artificial Intelligence was developed to enhance the further development of human beings and not to create further obstacles and hindrances2. Artificial Intelligence became so popular that students started using it to complete their homework and assignments, but on the other hand the dark side of it as discussed earlier is very dangerous for the mankind. It has also been observed that there is lack of knowledge among individuals regarding all the aspects of the Artificial Intelligence. Many cases came forward where this Artificial Intelligence came into notice where it was making conspiracy against the human race3. It will be too early to establish the Artificial Intelligence with such a pace because all the negative aspects are being ignored. It requires more time and development to become considerable and it shouldn't take away the present roles of human beings in order to maintain proper decorum in the entire society.

ARTIFICIAL INTELLIGENCE AND GLOBAL WORLD

What is Artificial Intelligence ?

Alan Turing is widely regarded as the father of artificial intelligence, possibly best known for his code breaking computer that aided the Allies during World War II. Turing also devised the Turing test, which a machine could pass only if its replies to questions were indistinguishable from human ones. From the 1950s till date there has been a continuous debate amongst scientists on what constitutes thinking as well as intelligence in computers, including questioning which specific types of algorithms they use for problem-solving tasks or even interacting with humans.

In order for a machine to be classified as having artificial intelligence it must be capable of answering questions like a person would and making informed judgments requiring comparable levels of knowledge.

AI has three main qualities :

Intentionality : In the context of AI refers to a system's ability to make decisions based on information and experience rather than simply executing predetermined functions, so to deliver effective responses an AI system must have the capacity to understand the meaning of questions and intentionally parse through data. To do this, AI systems must integrate data from many sources, analyse it instantly, and act on the findings reached.

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Intelligence : The source of AI's intellect is typically the result of interactions it has had with machine learning and data analytic tools, and what we describe as intelligent decision making is made possible by the combination of these technologies. The proper allocation of students across schools requires more than just simple computations from the AI system, incorporating principles such as equality and justice is essential in delivering beneficial results for all involved.

Adaptability : AI systems change as they acquire new data, make judgements, and interpret the results. If financial or environmental conditions change, or if road conditions deteriorate in the case of self-driving cars, AI may take the new information into account and adapt its decision- making appropriately.

The Impact of Artificial Intelligence on the World Economy :

By magnifying productivity and facilitating broader trading avenues through macroeconomic implications are some of the ways in which AI influences economic growth and an increase in economic growth can result from the promotion of productivity through the use of AI. In addition to this, it creates prospects for worldwide trade growth

Effective management of large and complicated production facilities spread across different locations is made possible by a centralised AI-based management system and with the use of Artificial Intelligence (AI), a company can effectively manage its warehouses; anticipate customer demand while also enhancing the precision of their fast turn-around times & quick delivery systems.

The use of AI technology has made it possible to expand the reach of digital platforms for carrying out trades and by implementing artificial intelligence in their operational processes, eBay has achieved automation.

How Artificial Intelligence is Helping Companies Expand Globally :

AI automation via digital platforms makes it easy for businesses to develop abroad. In the United States, 97% of small firms who utilise AI on eBay export some of their items. In comparison, just 4% of offline firms that do not employ AI export their products. AI also delivers real-time, accurate translation services, which improve interaction, reduce mis communications, and make international cooperation much more efficient and successful. Using AI translations in business has been demonstrated to increase trade revenues - an effect similar to reducing the distance between the nations by more than 35%. AI may also improve the efficiency and accuracy of several procedures within a corporation.

When a human employee handles payroll or enrols employees in health insurance plans, he may make a mistake or two, resulting in delays, inaccurate payments, or a lack of coverage. Errors are far less likely with an automated system that is never weary or distracted. Furthermore, an AI programme may execute computations and data entry faster than a human employee, enhancing efficiency.

When a company grows, it often wants to focus its efforts on higher-level duties such as strategy and less on lower-level chores such as bureaucratic concerns. AI may assist by automating regular, administrative activities. For example, as organisations hire new employees from different countries, they may struggle to manage activities like payroll and benefit administration. AI can assist in automating these operations, saving human workers time and irritation.

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ARTIFICIAL INTELLIGENCE AND RECENT DEVELOPMENTS

The scenario of the modern generation leads to the overall development in each and every sector which also includes Artificial Intelligence4. AI is a fast expanding area that is impacting numerous businesses and other aspects of our lives. AI has made enormous gains in the previous five years, forever changing our relationship with technology. Recent AI advancements have been noted in robotics, computer vision, machine learning, and natural language processing. Healthcare, banking, education, and transportation are just a handful of the industries that are being dramatically transformed by these technologies.

SOME RECENT DEVELOPMENTS :

GPT-3 : Open AI, a machine learning and artificial intelligence research group, developed the cutting-edge language model GPT-3 (Generative Pre-trained Transformer 3). This one of the largest and most advanced AI language models has revolutionised the creative arena, with over 175 billion parameters because it was trained on a large dataset of written material, including books, journals, and web pages, the GPT-3 can perform Natural Language Processing (NLP) functions like as translation, summarization, and question-answering in several languages.

It employs deep neural networks to generate text that not only mimics human speech but also provides logical and contextually relevant answers to natural language inquiries. GPT-3's high processing requirements, however, hinder many developers and enterprises from implementing it. Concerns have been raised about the probability of biases and erroneous information in the output due to the vast amount of data on which the model was trained.

COMPUTER VISION : Identifying objects such as individuals or things - along with people's behaviour - is a key aspect of computer vision that scientists are researching and robots can now carry out human-like activities such as detecting objects or recognizing emotions due to significant advances in this subject. Convolutional Neural Networks are a major advancement in the field of deep learning when it comes to visual data processing and various sectors including industry giants like manufacturing or retail along with entertainment show immense promise in leveraging the capabilities of computer visions. It also has applications in the fields of augmented and virtual reality where it is used to create realistic simulated environments that respond naturally with human movements, and the continuous improvement of computer vision has enabled a significant enhancement in the capability of robots for interpreting visual inputs.

AI IN HEALTHCARE : Individualised treatment proposals for patients are generated using AI algorithms in personalised medicine by considering every patient's unique health record and genomic makeup, and the advancement of AI is also contributing towards developing novel pharmaceuticals as well as identifying which patients would benefit most from a certain therapy leading to improved treatment results at a lower cost. Faster diagnosis with greater precision is achievable by using medical imaging algorithms for analysis as compared to relying just on human interpretation when observing X-rays MRI's or CT-scan imagery leading to earlier therapeutic interventions resulting in successful treatment, and the incorporation of artificial intelligence in healthcare can be revolutionary as it could drastically transform patient monitoring methods; lowering medical expenditures while boosting

effectiveness. Ethical considerations around areas like data privacy and algorithmic bias must be given importance for ensuring responsible usage of technology

REINFORCEMENT : Reinforcement learning educates AI agents by rewarding or punishing certain behaviours, and it is used to develop self-driving cars and other autonomous systems. It is made up of three parts: the agent, the environment, and the reward signal. The agent takes decisions and interacts with its environment. The environment is the physical reality outsidse of the agent's control that provides feedback in the form of reward signals.

ARTIFICIAL INTELLIGENCE AND REGULATIONS

INDIA :

Currently, India lacks codified laws, statutory rules or regulations, or even government-issued recommendations that govern artificial intelligence. The requirements on this issue are outlined in Sections 43A and 72A of the Information Technology Act of 2000, which protect personal data, as well as the rules and regulations made thereunder. The NITI Aayog has developed a set of seven responsible AI principles, which include safety and dependability, equality, inclusivity, and non- discrimination, privacy and security, transparency, responsibility, and the protection and reinforcement of good human values. These principles are designed to protect the public interest while also encouraging innovation through enhanced trust and adoption5. Recently, the Ministry of Electronics and Information Technology (MEITY) established a few committees and published a plan for the introduction, application, and integration of AI into the mainstream. Sections 43A and 72A of the Information Technology Act 2000, like the GDPR, establish a right to compensation for unauthorised disclosure of personal information. In 2017, the Honourable Supreme Court declared the right to privacy to be a basic right protected by the Indian Constitution. The new Education Policy emphasises the need of beginning to teach coding to students as early as Class VI. India will become a hub for cutting-edge AI technology in the next years.

UNITED STATES :

Unlike the comprehensive framework presented in Europe, regulatory rules in the United States have been offered by many federal agencies as well as state and local governments. Here are major advances in AI policy in the United States, as well as methods businesses might avoid possible regulatory problems.

As of January 2021, The National AI Initiative act (US) is now a legal statute under the overarching framework provided by The National AI Initiative established by United States Government authorities through various offices like Federal Trade Commission (FTC), the Department of Defence (DoD) etc., there has been a substantial coordination effort for carrying out significant projects on Artificial Intelligence Research & Development.

CHINA:

In terms of implementing its proposals for artificial intelligence regulations into actual policies and laws, China leads the way and has passed new legislation that affects firms utilizing algorithms within their

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online recommendations system. The law requires them to adhere strictly to ethical principles regarding accountability & transparency while focusing on positivity disseminations.

Businesses must notify consumers when an AI algorithm is used to choose what material to display to them and provide them the option to opt out of being targeted, according to the regulation. The use of algorithms that provide consumers with varied prices depending on personal information is likewise prohibited by the legislation. We believe that similar issues will emerge as AI policy extends over the world.

EUROPE :

In order to harmonise AI laws, the European Commission suggested a legislation (EU AI Act) in 2021. It adopts a risk-based approach to controlling the use of AI systems, depending on the system's intended function. The EU AI Act envisions a risk-based sliding scale of laws that would categorise AI uses as unacceptable, high, limited, or minimum. Once the European Commission and the European Parliament reach an agreement on a single version, the proposal will become legislation. Negotiations are anticipated to be difficult, with political factions in the European Parliament already proposing hundreds of modifications. Once passed, the legislation will apply throughout the EU, maybe as soon as 2024.

ARTIFICIAL INTELLIGENCE AND LEGAL ETHICS :

Most talks and presentations about AI highlight not to perceive it as the well-known Terminator depicted in pop culture, but in order to illustrate our point effectively let us momentarily envision the legendary T 800 robot as depicted by Arnold Schwarzenegger. These machines were designed for eliminating entire humanity, but following an event from Part II where they kidnapped one such robot, their programming has been modified and they are now tasked with protecting individual humans, although it could learn and adapt in response to changing conditions, the computer's fundamental programming remained intact.

The fact that the circus tiger can learn techniques from the tamer doesn't change the fact that it's always going to have predatory instincts, so it would not be fair to blame such a monster for harming or killing its handler as that is simply part of its natural instincts and behavior. Because the T800 follows an elementary programming that resembles animal instincts if it causes harm or takes someone's life then it's not liable for such actions and substituting the tiger for an elephant might be possible since elephants are non-predatory creatures known for their self-awareness according to modern science. Elephants are capable of killing humans if they are mistreated and this has happened before.

Also, the deadly accident, which included Uber's test of driverless vehicles, is the cause of the complaint. As a result of the car's sensors failing to accurately recognise and categorise a pedestrian crossing the street pulling a bike, the algorithm did not commence braking. The human co-driver, who was in charge of supervising the vehicle, did not respond quickly enough to avert the crash. The co-driver was charged with criminal negligence because she was distracted by her phone at the time of the collision. Uber, on the other hand, was not charged6.

This is predicated on the assumption that there is currently no autonomous self-driving technology ("Level 5 Full Autonomy" as defined by the Society of Automotive Engineers), therefore a person must always be ready to take control at any given time.

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CHAT GPT AND EXISTING CONTROVERSY :

The Chat GPT dispute is an example of mistaken trust in the capabilities of artificial intelligence. For years to come, this technology will continue to disrupt technology and numerous sectors. It will enhance, simplify jobs, speed up content creation, and permanently alter our work. It will not, however, replace human experience and connection. It cannot think through decisions and tactics using human knowledge and comprehension (at least not yet).

Chat GPT uses AI to comprehend complicated subjects but falls short in terms of strategy. It just cannot provide the same level of thought and care as a well-crafted strategy. This is not to suggest that AI technology does not have tremendous applications; nevertheless, its uses are restricted and should not be depended on to advise us on how to effectively approach future scenarios in each particular situation. The main source of data for Open AI's Chat GPT comes from readily available content like that of Google, while similar to a Google search which presents content based on strong SEO strategies first; Chat GPT instead pulls up information which is considered most related although often imperfect. It's crucial to bear in mind as we advance with the help of AI technology providing faster responses than ever before; nevertheless developing effective strategies will always remain an indispensable asset for taking sound decisions and action.

Chat GPT has reminded us that artificial intelligence cannot address all of the challenges that businesses confront by depending simply on machine learning. Flexibility is required to foresee and adapt to changing market conditions, as well as to handle problems that do not lend themselves to formulaic answers.

SUGGESTIONS AND CONCLUSION :

The wonderful development in technology has given us new hopes of completing tasks and problem solving and it is totally out of the imagination of people . The progress in the Artificial Development has proved that new dimension of learning and exploring are very near for this present generation. This technology had blown away the minds of many people.

Artificial Intelligence is one of the best examples of technological advancement and it can be used as a valuable asset in the present times and in the coming future, if used with proper care and caution. Fast upgradation is an integral part for the upliftment of the entire Nation and the world but along with those other aspects must also be kept into consideration which can cause harm to the humanity. As per the present times Artificial Intelligence needs more research and development along with other safety measures which can prevent any kind of mishappening. This technology requires more polishing and stability in order to bring a perfect revolution. The roots of this technology are not so strong till yet and this gave rise to many incidents which are increasing day by day. Technology is good but incomplete technology is a disaster.

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