



The Legalization of Artificial Intelligence: An Adoption to be Considered in the Academic System

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Abstract

This paper aims at discussing the importance of Artificial Intelligence in the Academic System. This work further gives reasons on why Artificial Intelligence should be legalized in the Academic System. Artificial Intelligence is a trend that has generated a lot of debate as to the legalization of it or not. This paper will however give reasons why it should be legalized into the academic system for the benefit of students in solving assignments, for researchers and writers alike. For the purpose of this work, this paper is going to explain why Artificial Intelligence should be legalized while referring to the works and conclusions of other authors on this topic.

This paper based on the analysis found aims at emphasizing on the importance of Artificial Intelligence in the academic system and why it should be legalized.

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Introduction

The ability of Artificial Intelligence (AI) to bring about ease and efficiency has made its importance more essential in different areas of life. AI as a result of its ease and efficiency is vital particularly for academic researchers, writers and students. The development of Artificial Intelligence is helping people and changing how people live. Technology has been improved through AI. The usefulness of AI cuts across

various aspects of life [1]. The importance of AI tells on all areas of human life including education, health, law, academics and so on. It is important to note that despite the ease that Artificial Intelligence tools has brought about in the 21st century technology, many issues has arisen as a result [2]. This is still an ongoing debate in the world today. The argument against this development is whether or not AI has come to replace human nature and abilities. In light of justifying why

Artificial Intelligence is to be taken as an advantageous tool rather than a disadvantageous one, particularly for writers and persons operating in the academic system, it is important to define what Artificial Intelligence is.

Artificial Intelligence is simply a machine or tool that is able and designed for the purpose of performing any task that a human can perform. Considering the fact that AI systems are designed for the benefit of man, it should therefore be adopted into academic institutions [3]. As a result of the development AI has brought about, its advantage should be explored in the academic system by legalizing its use.

Advantages of AI in the Academic System

There is a significant impact of Artificial Intelligence in the academic system. AI possess certain numerous benefits which can be utilized to aid progress in the academic system. Artificial Intelligence has the ability to help teachers in personalizing and developing creative skills that will enable students to understand during learning processes [4]. AI will help to enhance the efficiency of education through the opportunity to acquire new knowledge and skills [5].

Artificial Intelligence can also enhance accessibility to information for students. There are AI tools which can link students to materials available online. This will give room for ease and increased productivity for students in writing assignments and projects. Artificial Intelligence also helps in breaking down language barriers. There are various AI tools which can be used for translation. International students will be able to translate languages using AI systems [6]. Neurodiverse students— that is, students whose brain functions in a way that is different from what can be called regular—who may struggle with traditional settings or learning methods thrive in AI powered environments [7].

Students could be encouraged to devote more time to developing relevant questions, analyzing the creative process, debating, group projects, advanced critical thinking, communication, and presentation skills, as opposed to concentrating only on written work. These are all very human activities that ChatGPT and other similar platforms cannot perform [8].

Aside from the numerous assistance that AI systems can render to students, AI can also helps writers to increase efficiency in their writing. AI tools will help to save time by performing tasks like data analysis and literature review of a paper. AI helps in the correction of grammatical errors and improves the quality of such work [9]. Through the adoption of Artificial Intelligence in the academic system, researchers will get to generate contents and access formats that can be employed while writing such as key points, sections of the work and a creative writing style.

Research has shown that humans are productive only about 3 to 4 hours in a day [10]. Artificial Intelligence, unlike humans, does not need physical energy to perform its task. Humans need breaks to balance their work and personal life but Artificial Intelligence does not. AI can think much faster than humans and perform multiple tasks at a time with accurate results. AI tools can perform tedious jobs easily through the use of AI algorithms [11].

Concerns on Legalizing AI in the Academic System

Despite the fact that Artificial Intelligence offers potential advantages, there are challenges and downsides to it. These concerns are particularly directed towards the academic system.

- The Legalization of Artificial Intelligence in the academic system can bring about a reduction in social interactions between students and teachers. This is most especially so because students will not feel the need to consult their teachers for better understanding of anything that was found difficult to comprehend. Students will rather take to engaging with AI for their learning [12].
- Data privacy, algorithm bias are ethical considerations that AI presents to researchers if adopted [13].
- Another concern that pertains to researchers and writers in the use of Artificial Intelligence systems is that it can be used to generate papers that will lead to generation of plagiarized works. This threatens the integrity of academic writing [14]. It can lead to over reliance on Artificial Intelligence which could lead to laziness in students and writers alike in their work [15].
- There is concern about the potential impact of AI on traditional educational jobs, such as

teachers. Some fear that AI may lead to the displacement of human educators thereby reducing the importance of face-to-face interactions in the classroom [16].

The cost of implementing AI in the academic system is another major concern for legalizing AI in the academic sector. The cost of acquiring AI technologies, software's, and infrastructures can be expensive [17].

The government may need to allocate a vast amount of financial resources into the academic sector of the nation so as to purchase AI systems and integrate them into the existing academic system. In implementing Artificial Intelligence to the system, training teachers and administrators for professional user requires a lot. This is important for them to enlighten students on responsible use of AI in their works. Artificial Intelligence also costs a lot in maintenance. This includes software updates, technical support, troubleshooting, and upgrading of AI tools to ensure high performance.

Artificial Intelligence requires adapting to evolving technological trends across different departments and studies. This is capable of posing some difficulty in adaptability for students and researchers [18].

Notwithstanding that AI has downsides, it is imperative that we do not forget the potential advantages it possesses such as enhancing creativity, ease and accessibility, the breaking down of language barriers, and enhancement of time management.

The need for Regulations

To ensure proper and non-abusive use of AI systems in the daily of activities of man, particularly in the academic sector, guidelines must be established by the government.

The importance of establishing clear ethical guidelines for the use of AI systems is vital. Guidelines such as transparency, data protection, fairness and accountability must be taken note of. Ethical frameworks such as the Initiative for Ethical Considerations in AI and Autonomous Systems cannot be overlooked. This is important to ensure lawful use of AI systems [19].

Establishing mechanisms that will aid accountability is crucial. This can be implemented by establishing regulatory agencies that will be in charge of monitoring AI applications and ensuring compliance with sanctions. Companies should be made accountable for actions of their Artificial Intelligence Systems [20]. In addition, the government should invest more energy in creating awareness about AI ethics among policy makers, users and programmers. By adopting and implementing these guidelines, AI can be regulated and protected from misuse. This will help in promoting ethical practices [21].

It is also important for the government to mandate regular audits of AI algorithms to assess their performance, accuracy, and potential biases [22]. Promoting international collaboration and standardization between nations to harmonize regulations and guidelines for AI technologies across borders is another efficient means of regulating the use of Artificial Intelligence [23]. Another means of ensuring regulations is by creating AI regulatory sandboxes.

The function of an AI regulatory sandbox is to systematically enhance communication between regulated entities—most often, AI developers—and regulators. The goal of participation in AI sandboxes, which is typically optional, is to improve regulators understanding of the design, development, and implementation of a particular type of AI system while providing businesses with legal clarity and simplifying regulatory compliance. This could also assist authorities in spotting possible legal issues when an AI system is being developed [24]. This can assist an AI developer to avoid harm while also allowing for earlier, possibly less expensive, algorithmic course changes [25].

Conclusion

The impact of Artificial Intelligence on the Academic System has led to unprecedented developments. Artificial Intelligence also has its downsides. However, by establishing regulations and guidelines, the use of AI can be protected from misuse while harnessing the potential benefits it has to offer.

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