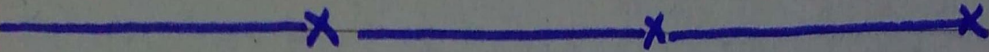


Hammad Riaz

CSS 2024

Mock Essay



Topic: Unethical Use of AI Tools in Education and Its Consequences

Outline:-

1. Introduction

2. Ethical Concerns in Use of Artificial Intelligence in Education

- a. AI tools could erode interaction between students and teachers
 - i. Grammarly and ChatGPT i.e
- b. Use of AI tools will amplify existing inequalities in education
- c. Hindering the development of skills and knowledge
 - i. AI based content in assignments i.e

- d. Fear of job displacement
- e. Use of AI tools promotes biasness in education
- f. Lack of transparency and accountability
- g. Data security and privacy concerns of students and teachers

3. Consequences of Unethical Use of AI Tools in Education

- a. Loss of critical thinking among students
- b. Unemployment for teachers
- c. Enhances illiteracy rate due to technology or digital divide
- d. Use of data for deepfake tools
- e. Outperformed most students in courses

4. Solutions to Address Ethical Concerns of AI in Education

- a. Integrate AI in classroom education
- b. Evaluation of students on critical thinking
- c. Stronger accountability and transparency
- d. Enhances the use of technology in education

5. Conclusion

Essay

Technology has revolutionized the world dynamics. The increasing use of technological tools such as Artificial Intelligence (AI) has changed the course of human lives. Their use in education, health, economy and in criminology have minimized the use of human brain. However, use of AI tools raises various ethical concerns in education sector. With the rapid use of AI for education development (AIED) has raised concerns in scientific community. AI tools in education could erode interaction between teachers and students. Furthermore, AIED will amplify the existing inequalities among students due to socio-economic background. AI tools in education have been hindering the development of skills process in students. In addition increasing use of AI tools in education could lead to job displacement for educators. Unethical use of AI tools in education

leads to serious consequences for teachers and students. AI tools in education enhances unemployment and illiteracy rate due to technology division. Furthermore, use of AI tools such as ChatGPT in education outperformed most students in courses. It is high time to address the ethical concerns of AI tools in education for the data security and to get potential benefits from AI. AI technology has the potential to transform the educational landscape but, with subject to solve its ethical concerns.

Firstly, loss of human interaction due to use of AI tools in education is one of the most ethical concern of AI in education. AI based tools such as Grammarly and ChatGPT have performed the role of teachers for students. Grammarly has helped students to find grammatical errors in their writing and ChatGPT to generate content for assignments.

Date:

According to research report of Exeter University 2023, AI tools have the ability to erode interaction between teacher and students more than fifty percent in each course. Hence, it is proved that AI tools in education could erode interaction between students and teachers.

Secondly, AI has amplified the existing inequalities in education is another ethical concern of AI tools in education. Developing countries have lacked in resources due to poor socioeconomic structure to incorporate AI in education. Thus, there are more chances of increasing education disparities between developed and developing countries. According to research report of Stanford University "100 years on AI research" 2021 that the developing countries are more vulnerable to AI disparities in education. Therefore, use of AI tools in education will further amplify education inequalities.

Thirdly, use of AI in education is hindering the development of skills and knowledge. Thus it is another ethical issue in use of AI tools in education. Due to AI advancements now students are using ready made content from AI tools in their assignments.

Increasing use of AI tools stops the development of critical thought in students. According to a research report of Global McKinsey Institute, AI has stopped the development of critical skills among more than ninety percent of individuals. Hence, hindering of skills is another significant ethical concern in education due to AI tools.

Fourthly, fear of job displacement due to use of AI tools in education is another ethical concern of AI. AI has the potential to replace human role of educators in education. According to research report of Global McKinsey Institute (2023 FY), that the AI has the potential to replace

more than 20 million jobs. Another report of the Forbes magazine cited that the companies that increase the use of AI 1% have reduced their hiring potential to 1.5%. Hence, AI potential to job displacement is another ethical concern of AI in education.

Fifthly, biasness due to AI tools in education is another ethical issue. AI tools promotes biasness in education due to model on which AI tools trained. AI tools may generate content of opposing educational standards of developing countries instead of developed countries because AI tools are trained in developed countries. Professor Oklahm of Waterloo University Canada published a research report in 2022 in which he deliberately opposed the use of AI in education due to biasness. Hence, AI tools promotes biasness in education which is another ethical dilemma of AI in education.

Sixthly, lack of transparency and accountability in education is another ethical issue due to use of AI technology in education. Some algorithms can be complex and difficult to interpret. It may lead to serious challenges in decision making process. Accountability of AI tools on mistakes is crucial for correct interpretation of data. According to research report of Tsinghua Institute of AI, AI systems lacks the process of accountability and transparency. Hence, lack of transparency and accountability is another ethical dilemma in use of AI tools in education.

Lastly, data security of teachers and students is another big ethical concern of AI in education. AI systems have lacked in data security. According to report of Atlantic 2022, 183,000 student and teachers profile have saved on AI systems and AI is using them without their prior permission, a big data security risk looming

On all over the world. Hence, lack of data protection is another concern of AI in education.

In the previous discourse, the ethical concerns of AI in education has been discussed. The next discourse will shed a light on possible consequences of unethical use of AI tools in education.

To start with, loss of critical thinking in students is the most significant consequence due to use of AI tools in education. AI tools could reduced the process of critical thinking. According to research report of Zhejiang University China Journal of Artificial Intelligence that more than fifty percent of students have lessed their critical thinking power due to rapid use of AI tools in education. Hence, loss of critical thinking is the result of unethical use of AI tools in education.

Furthermore, unemployment for teachers is another result

Date: _____

of unethical use of AI in education. AI has the significant potential to replace humans. According to research report of London School of Education 2022, AI will replace upto 50 percent jobs of educators by 2050 in education sector. Thus there is potential risk of large ratio unemployment in near future. Hence, unemployment of educators is another result of unethical use of AI in education.

In addition, unethical use of AI in education enhances illiteracy rate due to technological divide. Mostly students are unaware of use of AI for education purpose or they cannot afford expensive AI tools or AI training. Thus it enhances illiteracy rate among poor and weak socio-economic status students. According to research report of California University that unethical AI usage in education may leads to further illiteracy. Hence, unethical use of AI in education further enhances illiteracy rate.

In the previous discourse, the concerns of unethical use of AI in education has been discussed. The next discourse will shed a light on possible solutions to address ethical concerns of AI in education.

Firstly, AI should be integrated in classroom education to address its possible ethical concerns. AI integration with classroom education enhances students critical thinking and reduces the chance of copy paste format. According to Schiller International University AI integration with traditional classroom learning would help to reduce the unethical use and concerns in education. Hence, integration of AI with classroom learning should be vital to address its ethical dilemmas in education.

Secondly, evaluation of students on the basis of critical thinking is crucial to navigate the ethical dilemmas of AI in education. According to research report

Date:

of National Artificial Intelligence
 Unit USA 2022, students
 evaluation must be based
 on the critical thinking
 rather than the content
 based assignments in this
 modern era of technology.
 Hence, evaluation of students
 on the basis of critical
 thinking is significant to
 address ethical concerns of
 AI in education.

Thirdly, stronger accountability
 and transparency must be
 ensured to address ethical
 concerns of AI in education.
 Transparency is an important step
 to move ahead in education
 sector. It's crucial for
 stakeholders to understand how
 decisions are reached.

Clear accountability and
 transparency mechanisms should
 be in place to address
 errors, biases and ethical
 dilemmas of AI in
 education.

Lastly, enhances the
 use of technology for all
 without discrimination is
 another step to address
 the possible ethical concerns
 of AI in education. Though

trainings at government level technology and their use should be enhance for all kind of students. Furthermore, training of educators for using AI models in education is also significant to address the concerns of AI in education. Hence, incorporating use of technology is significant to address ethical dilemmas of AI in education.

In a nutshell, AI has the potential to revolutionize education sector but it has possible ethical concerns which hindering its use in education sector.

Firstly, AI is a big threat to privacy of students in education sector. Secondly, lack of transparency and accountability is another ethical concern in the use of AI in education. Thirdly, AI is hindering critical thinking process of students. Lastly, AI has potential to reduce the role of educators in education sector. AI ethical concerns if unaddressed could leads to

Date

unemployment at large number. Furthermore, loss of critical thinking due to reduce the chances of interaction between teacher and students is another significant result of unethical use of AI in education. In addition, Chat GTP based AI tools outperformed most students in courses. Integration of AI with classroom education and accountability process should be place to address ethical dilemmas of AI in education. Overall, the use of AI in education is tremendous opportunity but, it is important to address ethical dilemmas of AI in education for integrity and authenticity.