Hamza Abbasi   NOA-129

English Essay

Unethical use of AI tools in education and its consequences

Outline:

1- Introduction:

Artificial Intelligence (AI) Stemming from digital revolution, has promoted unethical modes in the field of education. The trends show that plagiarism, copyrights violation and Intellectual theft has been unprecedently high in 2025 resulting in promotion of complacency along with the risk of an intellectual dilemma in the years to come.

2- The dark side of AI in words of "Stephen Hawking", "Sam Altmann" and "Elon Musk"

3- Unethical Employment of AI in the field of education:

   a). Privacy violations

b) Research deficient conclusions
c) Copyrights violations
~~d) Promotion of complacency~~
d) Plagiarism
   i) undetectable plagiarism

e) Biases in AI
   i) limited data sets
   ii) Ineffective and Irregular auditing

f) Misuse of AI in applied education systems
   i) AI and legal education
   ii) AI in the world of medicine
   iii) AI and construction engineering: Case study of Japan

g) Violation of Intellectual Property Rights (IPs)
   i) Patent irregularities

3) - Ethical guidelines and frameworks
   a) Employment of AI in the field of education should be through the legal lens

   b) AI's existing policies globally
   c) Promotion of skill-based applied learning through AI

d) Enhanced data inclusivity to counter bias

e) Role of developers and tech giants

f) Role of Intelligentsia worldwide

g) Role of regional and multi-lateral platforms

    i) UNESCO

    ii) ASEAN Educational Development Convention

    iii) EU educational fund

    iv) Others.

4) Summation

5) Conclusion

—— ✗ —— ✗ —— ✗ —— »

Essay

In today's digitally connected world, artificial intelligence has become a mouth-piece of down trodden but its unchecked utilization in the field of education has caused detrimental impacts globally. The unethical use of AI which includes plagiarism, content-theft, generation of literature to name it as one's own and violation of copyrights, has been on a high last year. While the developers and scientists have ~~been~~ claimed ~~claiming~~ of its advantages, its employment in the real-world has been controversial since its inception. Experts have warned about its dark side which will have impacts beyond the educational landscape ultimately. Therefore, a moderate yet effective approach is required to comprehensively tackle its demerits in educational field ultimately preventing fall-out in other spheres of life.

Back in 2014, world-known scientist "Stephen Hawking" warned about the

dangers of artificial intelligence. "The full development of AI," as the Stephen says, "will be the intellectual death of human race." ~~while~~ As multiple online tools are available having built-in data of the real-world, generative AI has hindered the creativity and thinking capabilities of humans. Moreover, inability to keep pace with the digital world will result in under-development. Sam Altmann, ~~CEO~~ Chief Executive officer (CEO) of OPEN-AI, highlighted this fact in his inaugural speech of the platform. He says that AI has the ability to replace humans in near-future but it will only happen if humans themselves give it a chance, that is, inability to upgrade skills.

Keeping in line with the same argument, CEO of Tesla, SpaceX and X (formerly twitter) "Elon Musk" also talks about AI now and then. Elon Musk is famous for pointing out disadvantages of AI for humanity. He emphasizes that AI is far-more dangerous than it is

being precedented. Talking about the role of education in skill-development for industry, Musk highlights the fact that a single AI model can replace a thousand individuals, but it will never be able to replace that one person who has upgraded his skills through learning.

Before embarking on to highlight the consequences of AI in terms of its unethical use, it is important to shed light on the unethical methods being employed. While AI has revolutionized laboratories, it has also casted a dark shadow on the theoretical learning. Given here, are a number of disadvantages of AI in its incorporation with education.

Privacy violations, in its multiple forms, have hindered the growth of research and development recently. Previously, papers published by authors were safe from ungranted access. Since,

AI has now access to real-time data worldwide, it even accesses private websites where these papers and journals are stored. Through the legal lens, these papers are the property of its ~~owner~~ author or publisher (depending upon the scenario) and could only be accessed with his/her sole permission. Methods of granting permissions include online vaults, emails or requests to the author or a few bucks so the valuable information could finally be accessed. AI, due to its updated machine learning model, bypass all these requirements granting free and unsecure access to someone's personal data. Hence, privacy violations are the new normal in AI - world.

The foregone conclusion of privacy violation is the copyright violation. Whereas, copyrights may apply to a diverse range of properties, chief among them are the intellectual property rights. AI is not only limited to the generation of content, it is also

capable of altering the content. It is important to highlight that AI uses its database to generate content. It has opened shortcuts to cheat and make a name for yourself. For instance, A researcher having years of academic training and broad view of experimental research publishes a paper and gets its copyrights. This data is accessed by AI and it alters the language of paper without altering the main-idea. In this way, credits for someone's hard-earned work are being stolen daily due to AI.

Moving on, violation of copyrights further open another portal of irregularities. While patent rights were safe and secure previously, now-a-days these are most the ones most violated and AI has added fuel to this fire. The tussle between United States of America (USA) and China is not new- China, being a developer and exporter of tech

products, has faced multiple allegations from USA over patent rights. One recent illustration was seen in Trump's policies and China's counter-action. Trump in 2017, imposed protectionist policies in USA, banning the import of Chinese tech-products (mainly for mechanical industry). China in response imposed a barge on USA's products in China. The tussle continued for a great deal of time impacting multinational companies for example Huawei. Therefore, the spark created by the violation of patent rights resulted in geo-economic hurdles ultimately.

Further exacerbating the conditions are the research deficient conclusions. Research plays a crucial role in the development of any field of knowledge. It is research that ultimately provides conclusions to become knowledge. Lately, AI has impacted research work due to prompt engineering. Earlier, a student had to go through

bundles of books to finally established his/her own thesis on a subject. Arrival of prompt engineering turned the months of study into minutes of typing. AI readily provides any data, given the prompt is correct. It has badly affected educational landscape especially the engineering sector. For example, a case of the off-shore drilling sector revealed that economic losses due to incorrect tribological data of the drill bit made the company pay hefty amounts in terms of maintenance. The tribological data, as the report says, was carried out through AI-models. Therefore, lack of research and blind trust on AI has not only educational implications but also economic or industrial ones.

In case of online-theft of the content and plagiarism, the situation is quite myriad. Plagiarism is the use of someone's exact work in your own and labelling it as yours. Online plagiarism checker tools worked

efficiently previously but now, AI tools are available which are capable of bypassing the plagiarism checker. In a nutshell, "the plagiarized content generated by artificial intelligence is then rephrased by artificial intelligence to bypass the plagiarism check." This state of affairs have marked the situation iffy and sketchy with minute chances of correction in near future. Therefore, undetectable plagiarism due to advanced AI paraphrasing tools is one of the key unethical uses of artificial intelligence in the educational landscape.

Having said that, AI's broad yet limited database has also caused key issues lately. Growing biases due to the use of AI have rendered it controversial and untrustable globally. Due to its inability to gene check and validate its own generated data, questions have been raised on its efficacy and broad employment.

Moreover, ineffective and irregular auditing has further exacerbated the situation. While the ultimate aim of auditing is to ensure accountability and transparency, irregular auditing causes issues such as non-periodic generation of false data along with validity of factual data. Hence, broad and real-time yet again limited dataset does more harm than any good.

With this in mind, artificial Intelligence has resulted in myriad problems in the applied educational fields. It has created a gap between industry and university, which was previously filled by research and publications. Several cases have surfaced globally over misuse of AI in the educational landscape. One popular case was the issue of a report generated by an internee lawyer in United Kingdom. The report was generated by AI which did not take into account the difference of adversarial and inquisitorial justice system. The case became a humiliation of

UK's judicial system along with several charges on the Internet. Similarly, unchecked use of AI in the fields of medicine could be dangerous. No major case of fault lines of AI has yet surfaced in the corridors of Bio-Technology but it could not be crossed altogether.

What could be done in these state of affairs to make educational landscape more effective, transparent, accountable and efficient? A large list of ethical considerations must be taken into account to establish the guidelines and frameworks on safe employment of AI in education. Some of these are penned down here.

Firstly, employment of AI in the field of education should be through the legal lens. Several countries including USA, Canada and Japan have established policy frameworks for the use of AI. Once again, developed countries have taken the lead in doing so because of its dark yet factual side.

Policy frameworks to navigate through bias, privacy violations and ultimately societal impacts are the dire need of time. Before AI becomes a sword of damocles, It is wise to establish legal and regulatory framework on governmental level to ensure it's safe utilization.

The necessary aspect of AI in education is ethics and morality. Policy frameworks are only effective once they are followed. Morality provides the playground to make someone follow a law. Therefores educators must educate the educated - ones about moral use of AI and ways AI could help in skill-based learning. Otherwise, a generation of complacents will be harbouring in educational institutions without any tangible outcomes. Therefore, employment of AI for the promotion of skill-based learning is the only way forward. Moreover, regulatory frameworks to keep a check on students should be employed. As a starter, "Bloom's taxonomy"

provides a well-established system of "Program-learning outcomes". Hence, AI is only as dangerous as the purpose of its usage in the field of education.

The necessary aspect of the unethical use of AI in the field of education could be encountered by the role of developers and tech giants. As already quoted the big fish of the industry, it is imperative to provide skill-based learning through multiple means. Recently, "Google" fired one thousand employs because AI is capable enough to do their jobs. So, a wise approach would be to upgrade employs rather than firing them. The hard-liner approach by the tech giants would create a gap between industry and education. Therefore, it is necessary to opt for a moderate approach in this regard.

In case of greater awareness,

the role of intelligentsia could not be sidelined. Responsibilities of every pillar of the society must be played by themselves in order to ensure a diversified yet sustainable world. AI is a reality and now, education has to be incorporated with it. Therefore, apart from mainstream education role of intelligentsia comes in handy when talking about the greater awareness worldwide. Trainings, seminars and mass awareness campaigns in educational institutions will prove fruitful in curbing the unethical employment of AI and promotion of ethical yet effective means for the use of artificial intelligence. -

Finally, role of regional and multi-lateral institutions at the level of educational and technological reforms is the ultimate guide in this regard. Unethical means are only employed when the benefits of unethical means out weight weigh the

cost of ethical ones. Therefore promotion of ethical means could only be ensured by streamlining the main-stream education. Employment of modern techniques and side-lining the old ones is a step which could ensure safe promotion of AI. In this regard role of United Nations specialized committee, that is, "United Nations Educational, Scientific and Cultural organization (UNESCO)", could prove fruitful. Establishment of recommendations and policy frameworks under Sustainability Development Goals (SDGs), to incorporate safe and equal employment of AI in the educational landscape is the major milestone, yet to be achieved. Similarly, role of regional organizations such as SCO (shanghai cooperation organization), ASEAN educational Development Convention and European Union Educational fund is the need of the time. In a world of rising multi-polarity, these regional organizations could ensure the safe employment of AI in education and technology.

its impacts globally

Summing up, it could be said that artificial intelligence has become a mouth-piece of down-trodden and its importance cannot be denied. AI has stemmed from digital revolution but the promotion of unethical modes of in education has resulted in a dismal educational performance globally. While plagiarism, copyrights violation, privacy issue and data breach stand on its negative side, a collective effort at individual and societal level is required to uphold the flag of morality and ethics. Moreover, role of intelligentsia, non-governmental organizations and global political institutions cannot be denied

To conclude, it could softly be stated that unethical modes are only opted for when their ~~costs~~ benefits out-weigh the costs of ethical means. Therefore, promotion of "effective"

mode of employment of artificial intelligence through main-stream education is a necessary step to be taken in the global educational corridors. On the contrary, benefits for the time being may be achieved at the cost of raising a complacent generation with no tangible knowledge or skills. Therefore safe incorporation of artificial intelligence in the field of education will be a positive way-forward in curbing the unethical use of AI-tools.

- x - x - x - x -
- x - x - x - x -

THE

END