**Major Argument**

**Ethical Considerations in the Premature Deployment of Emerging Technologies**
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Technology’s applications in fields such as education, healthcare, journalism, and other fields are becoming ever more important to the functioning of society, yet also ever more sophisticated and powerful. Without proper ethical oversight, this can lead to significant social harms, such as widening inequalities and serious breaches of privacy. Any new technology adoption must be guided by ethical considerations to prevent these outcomes and ensure that technology contributes positively and equitably to society.

Crucial industries like education, healthcare, and journalism gradually incorporate novel technologies into their practices in an era of rapid technological advancements. While these advancements promise to revolutionize these fields, there is a pressing concern that the rush toward technological adoption frequently overlooks potential ethical implications. The deployment of advanced technologies requires careful consideration of potential consequences. Overlooking ethical implications can lead to significant societal repercussions, including exacerbating existing inequalities and compromising patient privacy. Thus, the importance of navigating these technological waters with ethical guidance cannot be overstated. To ensure the responsible use of technology, it is necessary to recognize potential risks and approach deployment cautiously.

Integrating technology into education can potentially transform learning environments, but it also poses significant risks, such as inequality and the educational gap. As Dhirani et al., 2023, highlight, there is a risk of exacerbating existing inequalities without adequately considering how these technologies are implemented. The circumstance mentioned may give rise to an inequitable distribution of learning resources, adversely affecting students from socioeconomically disadvantaged backgrounds. The ethical deployment of educational technology thus requires a framework that ensures all students benefit equally, preventing the widening of the educational gap. The impact of digital inequality is inseparable from growing societal inequality, with the vast majority of the population, daily laborers and wayfarers, mostly powerless against a widespread surge in digital transformation (Irman, 2022).

In the healthcare sector, the implications of technology are profoundly dual-edged. Michael et al., 2019, discuss how, on the one hand, advancements such as artificial intelligence can enhance treatment and diagnostics. On the other hand, they raise complex challenges, including safeguarding patient information and ethical concerns about AI's role in treatment decisions.  The rise of healthcare digital technology preserves massive evolutions as well; for instance, new advances in biotechnology could lead to unpredicted innovations and prolong patients' lives. However, at the same time, they pose complicated dilemmas, such as protecting patient confidentiality and various treatment choices and decisions by doctors (examined by Michael et al, 2019). In today's world, technology plays a significant role in the healthcare industry. It has the potential to improve health outcomes, but it also raises concerns about the ethical use of patient data. Therefore, it is essential for healthcare professionals and technologists to work together and strike a balance between utilizing technology and ensuring ethical usage to protect patients.

To achieve this, it is imperative for them to engage in discussions and establish a solid ethical framework that aligns with their values. By doing so, they can ensure that emerging technologies are deployed ethically, and patients' rights are protected.

Without prior attention to ethical questions, advancing technologies in critical sectors is like sailing into the ocean without a compass. Mahatma Gandhi reminded us to 'be the change' – his words have profound meaning in the context of new technologies.  That means we should integrate cutting-edge technology into education, health practices, and journalism only after comprehensive tests and rigorous considerations of ethical implications. – Michael et al., 2019. Infusing ethics into new technologies before widespread implementation will foster progress across industries. They are ensuring that new technologies uplift society can take many forms. The field of journalism faces unique challenges with the introduction of modern technology. Dörr & Hollnbuchner (2016) point out that technologies such as algorithms can introduce biases and potentially lead to the dissemination of misinformation, compromising journalistic integrity. As technology continues to evolve, the ethical challenges facing the field of journalism become increasingly complex. Trust and accuracy in journalism are at stake, and it is therefore vital that ethical guidelines are established to govern the use of technology in media. Professionals in these fields are responsible for actively participating in discussions and ensuring that a solid ethical framework guides the deployment of emerging technologies. This will empower them to shape the future of their industries in a responsible and trustworthy manner.

Beyond these sector-specific issues, the broader ethical framework for technology integration needs comprehensive consideration. Peterson et al., 2020, advocate for rigorous ethical discussions and comprehensive trials before deploying new technologies. Such measures ensure that technology's benefits do not come at the cost of ethical compromise. Studies indicate that a thorough examination of the problematic choices and substantial ethical questions raised by new technologies is essential for responsible innovation.

Integrating new technologies across various sectors necessitates technological expertise and a solid ethical framework to ensure their deployment is responsible and beneficial to society. This framework must facilitate the seamless integration of new technologies into societal norms, ensuring that they uplift rather than undermine ethical standards. As Dhirani et al., 2023, suggest, the future of technology deployment must be guided by a balance between innovation and ethical integrity, ensuring that all societal sectors benefit from technological advancements without detrimental impacts. The use of technology in modern times not only requires the implementation of robust security measures to ensure the safety and confidentiality of sensitive data but also holds the promise of improving our lives in numerous ways.

In Conclusion, the world is at a frontier of technological change where society seems ready to fall in love with almost anything that appears promising; it is essential to talk about the ethics of new technologies – particularly around how they will be implemented in spheres such as education, medicine, and journalism. There is little doubt that technological innovation can take our societal infrastructure to unprecedented places, but there is almost as little room for error. These deliberations and data reveal a fundamental truth: the true promises of technology can be realized only if it is used alongside robust ethical frameworks. In addition to and beyond these live concerns, such as privacy violations and inequality, ethical thinking must anticipate future ethical challenges. in areas such as education, the increased risk of reproducing divides between the haves and have-nots means that the technologies being utilized need to enhance learning opportunities for all and not just a small section of learners In healthcare, the thorny issue of balancing technological innovations in treatment need also to be balanced by upholding patient confidentiality. In journalism, ethical constraints must adapt to the editorial workflow of the digital age to ensure its integrity in the face of the increased speed and volume of news distribution and the associated ethical questions and uncertainties of truth. After that, it’s up to tech executives, policymakers, and technologists to cultivate a culture that infuses ethical awareness through every technological design and deployment phase.

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