

Ethical Behaviors in Using Technology in Modern Society

Group 3

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Overview

In today's world, technology is deeply embedded in our daily lives, influencing how we communicate, learn, and entertain ourselves. From smartphones and social media platforms to online education and digital entertainment, these tools offer unprecedented convenience and opportunities. However, with this rapid technological advancement comes a pressing need to consider the ethical implications of our digital actions. Ethical behavior in technology involves using digital tools responsibly, respecting others' privacy, and being aware of the impact our online actions have on individuals and society.

One of the most pressing ethical issues in technology is the protection of personal data. With the vast amounts of personal information shared online, safeguarding privacy and ensuring data security are paramount. Users must be aware of the information they share and the potential risks associated with data breaches. Educational institutions and organizations are also responsible for implementing measures to protect sensitive information and comply with privacy regulations to maintain trust and accountability.

Another significant concern is cyberbullying and online harassment. The anonymity provided by the internet can lead to harmful behaviors such as cyberbullying, cyber harassment, and cyberstalking. These actions can have serious consequences, including emotional distress and long-term psychological effects on victims. It is crucial to promote respectful communication and address harmful actions promptly to create a safe online environment for all users.

The spread of misinformation and fake news is also a critical ethical issue in the digital age. The rapid dissemination of false information online can have serious consequences, including influencing public opinion and undermining trust in institutions. Users should critically evaluate sources and verify information before sharing it to prevent the spread of misinformation and maintain the integrity of online discourse.

Furthermore, the digital divide presents an ethical challenge in ensuring equitable access to technology. Disparities in access to digital tools and the internet can exacerbate social inequalities, limiting opportunities for certain groups. Bridging the digital divide requires concerted efforts to provide affordable and reliable access to technology for all individuals, ensuring that everyone can participate in the digital world.

As technology continues to evolve, it is essential to prioritize ethical considerations in its use. By understanding the ethical implications of our digital actions, we can contribute to a positive and responsible technological landscape. This involves being mindful of our online behavior, respecting others' rights, and advocating for policies that promote ethical practices in technology development and usage. Through collective efforts, we can harness the benefits of technology while mitigating its potential harms, ensuring that it serves the greater good of society.

Article Selection

Digital Ethics: Its Nature and Scope by Luciano Floridi, Corinne Cath, and Mariarosaria Taddeo

This article delves into the emerging field of digital ethics, proposing a comprehensive framework to address the ethical challenges posed by digital technologies. The authors introduce the concept of the "infosphere," a global information environment where all informational entities coexist. They argue that traditional ethical approaches are insufficient for addressing the complexities of the digital age and advocate for a macroethical perspective that considers the broader societal impacts of digital technologies.

The paper emphasizes the importance of developing ethical guidelines that go beyond individual actions to encompass systemic issues such as algorithmic bias, data privacy, and the ethical implications of artificial intelligence. By adopting a holistic approach, the authors aim to foster a more responsible and inclusive digital society.

Furthermore, the article explores the concept of "information well-being," highlighting the need for individuals and organizations to cultivate ethical attitudes toward information and its use. The authors suggest that promoting information well-being can lead to more ethical interactions within the infosphere.

In conclusion, the paper calls for interdisciplinary collaboration to develop ethical frameworks that can guide the development and use of digital technologies, ensuring they contribute positively to society.

Ethical Dilemmas and Privacy Issues in Emerging Technologies by Dhirani et al.

This paper examines the ethical challenges associated with emerging technologies, particularly focusing on privacy issues. The authors discuss how the rapid development of technologies such as artificial intelligence, the Internet of Things, and big data analytics has outpaced the establishment of ethical standards and regulations. This discrepancy has led to ethical dilemmas concerning data privacy, consent, and security.

The article highlights the complexities of being compliant with ethical standards, given the varying regulations across regions. The authors argue that vague and inconsistent ethical guidelines create gray areas that can lead to privacy breaches and ethical violations. They emphasize the need for clear and consistent ethical frameworks to address these challenges.

To mitigate these issues, the paper proposes potential methods, including the development of universal ethical standards, increased transparency in data collection

and usage, and the implementation of robust privacy protection measures. The authors also advocate for interdisciplinary collaboration to create ethical guidelines that are adaptable to the evolving landscape of emerging technologies.

In conclusion, the paper stresses the importance of establishing comprehensive ethical frameworks to guide the development and deployment of emerging technologies, ensuring they are used responsibly and ethically.

The Rise of Tech Ethics: Approaches, Critique, and Future Pathways by Frahm and Schiølin

This article explores the evolving field of tech ethics, identifying two primary approaches through which 'Tech Ethics' are studied and critiqued. The authors discuss how these approaches diverge in their foundational commitments toward what constitutes ethical technology and how it should be pursued. They argue that understanding these divergent perspectives is crucial for advancing the field of tech ethics.

The paper also examines the relationship between public controversies about technological innovations and the rise of ethics discourses and instruments. The authors suggest that ethical considerations often emerge in response to public concerns about the societal impacts of technology, highlighting the need for proactive ethical frameworks.

Furthermore, the article critiques current methodologies in tech ethics, pointing out limitations in addressing the complexities of modern technological developments. The authors advocate for more nuanced and context-sensitive approaches to tech ethics that consider the diverse impacts of technology on different communities.

In conclusion, the paper outlines future pathways for tech ethics research, emphasizing the importance of interdisciplinary collaboration and the integration of ethical considerations into the design and implementation of technology.

Summarization

The rapid advancement of technology has introduced numerous ethical challenges that impact individuals, organizations, and societies globally. As digital tools become integral to daily life, the ethical considerations surrounding their use have become increasingly complex.

A significant concern is the ethical dilemmas arising from emerging technologies, particularly regarding privacy issues. The proliferation of data collection and surveillance capabilities has raised questions about consent, data ownership, and the potential for misuse. Inconsistent regulations across regions further complicate compliance, leading to potential breaches of privacy and ethical standards.

Artificial intelligence (AI) presents another layer of ethical complexity. While AI has the potential to revolutionize various sectors, it also introduces risks such as algorithmic bias, discrimination, and the erosion of human judgment. Ethical concerns also extend to the use of AI in decision-making processes, where transparency and accountability are paramount.

The concept of digital ethics has emerged as a framework to address these challenges. Digital ethics encompasses the moral guidelines that govern the use of technology, emphasizing the need for responsible and transparent practices. It advocates for the development of ethical standards that ensure technology serves the public good without infringing on individual rights.

In conclusion, navigating the ethical landscape of modern technology requires a concerted effort from all stakeholders, including developers, policymakers, and users. Establishing clear ethical guidelines and fostering a culture of responsibility can help mitigate the risks associated with technological advancements, ensuring that they contribute positively to society.

Critical Analysis

In our daily lives, technology plays a big role. We use it for learning, connecting with friends, and entertainment. But with these benefits come challenges, especially when people use technology in harmful ways. For instance, some students have created fake images of their classmates using AI, which is both hurtful and dangerous. Such actions highlight the importance of using technology responsibly.

Not everyone has equal access to technology. Some students have the latest devices and fast internet, while others don't even have a computer at home. This "digital divide"

creates unfair advantages in learning. It's essential for schools and governments to ensure all students have the necessary tools to succeed.

Privacy is another major concern. There have been instances where schools collected data or monitored students without their knowledge. This invasion of privacy can make students feel unsafe. Clear rules and guidelines are needed to protect personal information and ensure trust.

Spending too much time online, especially on social media, can affect our mental health. It can lead to feelings of anxiety or depression. It's crucial to find a balance between screen time and real-life interactions. Schools can help by teaching students about the importance of taking breaks and focusing on self-care.

To make technology a positive force, we all need to use it responsibly. This means thinking before posting, respecting others online, and being aware of how our actions affect others. Parents, teachers, and students should work together to create a safe digital environment.

In conclusion, while technology offers many advantages, it's vital to be aware of its ethical implications. By promoting fairness, protecting privacy, and supporting mental well-being, we can ensure that technology serves as a beneficial tool in our lives.

Synthesis

Introduction

In our modern world, technology is a big part of our everyday lives. We use it to talk to friends, learn new things, and even have fun. But with all these benefits, there are also problems we need to think about. Sometimes, people use technology in ways that can hurt others or invade their privacy. It's important to understand these issues so we can use technology in a way that's fair and respectful to everyone.

The rapid development and widespread adoption of technology have raised important questions about ethical behavior in the digital age. As technology continues to evolve and permeate various aspects of our lives, it is essential to examine the ethical implications of its use. This research digest aims to provide an overview of the current state of knowledge on ethical behaviors in using technology, highlighting key themes, critical insights, and recommendations for promoting responsible technology use.

Key Themes

The ethical use of technology in education encompasses several critical themes that address the responsibilities of students, educators, and institutions in the digital age. These themes highlight the importance of digital citizenship, equitable access, data privacy, and the integration of emerging technologies like AI in educational settings.

1. **Digital Citizenship and Responsibility:** Digital citizenship involves educating students to use technology responsibly, ethically, and safely. This includes understanding online etiquette, respecting intellectual property, and recognizing the impact of one's digital footprint. Programs focusing on digital citizenship aim to foster critical thinking and ethical behavior in online environments.
2. **Equitable Access and Inclusion:** Ensuring all students have equal access to technology is paramount. The digital divide can exacerbate existing inequalities, making it essential for educational institutions to provide resources and support

to underprivileged communities. Addressing this issue promotes inclusivity and equal learning opportunities for all students.

3. **Data Privacy and Security:** The use of technology in education raises concerns about the collection, storage, and use of student data. Protecting students' personal information requires stringent data privacy policies and practices. Educators and institutions must be vigilant in safeguarding data to maintain trust and comply with legal standards.
4. **Integration of Artificial Intelligence (AI):** The incorporation of AI tools in education offers opportunities for personalized learning but also presents ethical challenges. Issues such as algorithmic bias, transparency, and the potential for misuse necessitate careful consideration and the development of guidelines to ensure AI is used responsibly in educational contexts.

Critical Insights

Looking closely, we see that privacy concerns are real. For example, some apps collect data without users knowing. The digital divide means that not all students have the same chances to learn, especially during online classes. And with mental health, studies show that too much screen time can lead to feelings of loneliness or anxiety. These insights show that while technology has benefits, it also has downsides we need to address.

Integration

Combining these ideas, it's clear that technology can both help and harm. While it connects us and provides information, it can also invade our privacy, create inequalities, and affect our well-being. Understanding these issues helps us see the bigger picture and the need for responsible use.

Recommendations

To address the challenges identified, the following actions are recommended. These range from policy development to educational initiatives aimed at promoting ethical technology use in educational settings:

1. **Develop Clear AI Usage Policies in Schools:** Educational institutions should establish comprehensive policies that define appropriate and inappropriate uses of AI tools. These policies should address concerns such as academic integrity, data privacy, and the ethical implications of AI-generated content. By setting clear guidelines, schools can help students and staff navigate the complexities of AI in education responsibly.
2. **Integrate Digital Citizenship Education into Curricula:** Schools should incorporate digital citizenship programs that teach students about online safety, privacy, and responsible digital behavior. Such education empowers students to make informed decisions and fosters a respectful online community.
3. **Provide Professional Development for Educators on Technology Ethics:** Teachers and school staff should receive ongoing training on the ethical use of technology, including AI tools. Professional development programs can equip educators with the knowledge and skills to guide students in navigating digital environments ethically.
4. **Implement Safeguards Against AI Misuse:** Schools should adopt measures to prevent the misuse of AI technologies, such as creating deepfake images or engaging in cyberbullying. This includes educating students about the legal and emotional consequences of such actions and integrating content on AI ethics into the curriculum.

Conclusion

Technology is a powerful tool that can make our lives better, but only if we use it responsibly. By being aware of privacy issues, working to close the digital divide, and taking care of our mental health, we can ensure that technology benefits everyone. It's up to all of us to make ethical choices in our digital lives.

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