

e-BULETIN

JSKM

EDISI MAC 2025

LAMBAIAN KASIH
PERSAHABATAN

RAHSIA ALAMI UNTUK
KELEGAAN SAKIT KEPALA

MENYEMAI MINAT,
MENUAI KEJAYAAN
Perjalanan Seorang Pendidik
Ts. Wan Anisha
Wan Mohammad

eISSN 2637-0077



9 772637 007004

KELUARAN KE-13

ISTIMEWA ANAK
SULUNG



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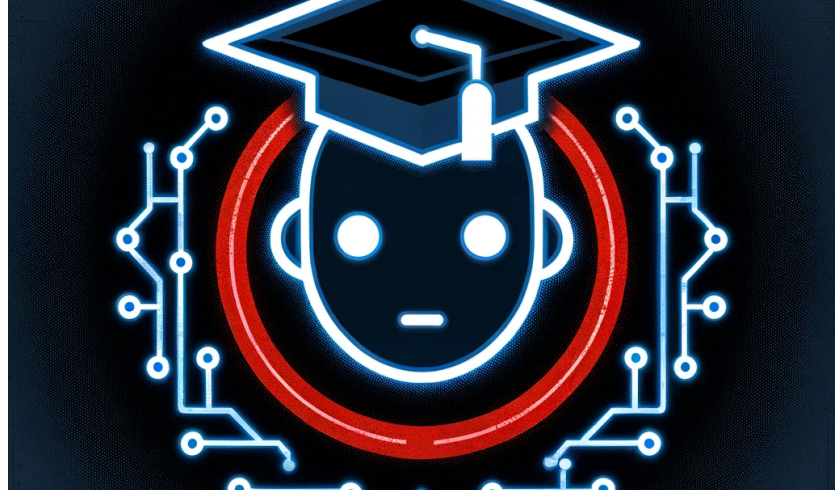
A hand is shown placing white letter tiles on a reflective surface. The tiles are arranged to spell out 'SHARE'. The background is a soft-focus green and yellow gradient. In the top right corner, there is a blue asterisk-like symbol and a stylized orange and yellow brushstroke graphic.

S H A R E

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CONS OF AI IN HIGHER EDUCATION

“One of the most significant issues surrounding AI in higher education involves data privacy”

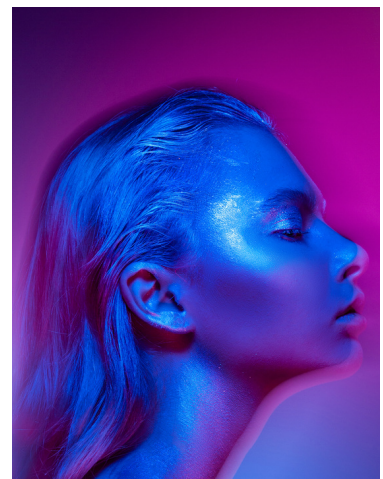


As the integration of artificial intelligence (AI) deepens within higher education, it is crucial to address the potential drawbacks and challenges associated with its implementation. While AI offers numerous benefits, the following cons reflect critical areas of concern that both educators and students must consider.

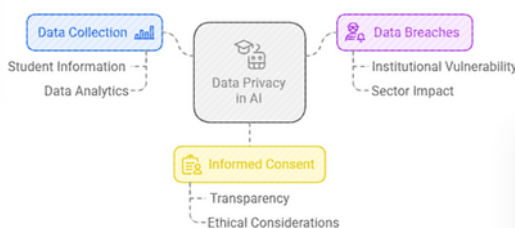
Data Privacy Concerns

One of the most significant issues surrounding AI in higher education involves data privacy. The sensitive nature of student data necessitates stringent measures to safeguard personal information. Key concerns include:

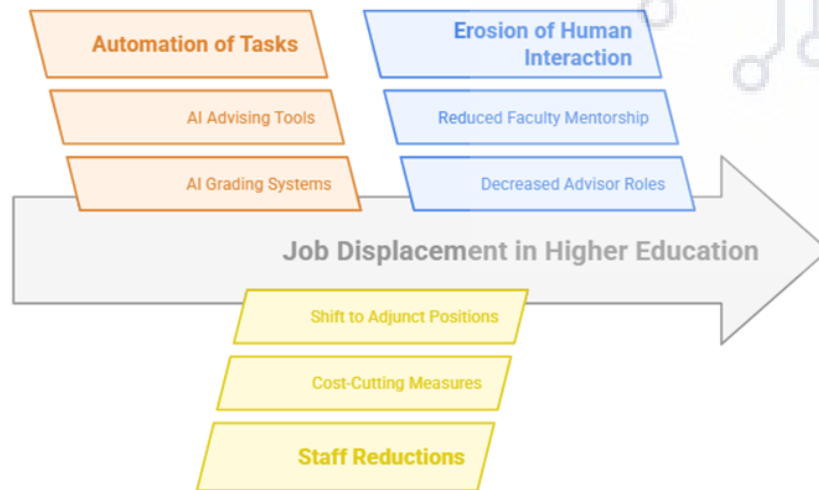
- Data Collection:** AI systems rely heavily on data analytics, which can entail the collection of vast amounts of student information, including academic performance, personal preferences, and interaction patterns. A report by the Educause Center for Analysis and Research highlighted that 85% of higher education leaders expressed concerns over unsanctioned data usage.
- Informed Consent:** Students may not fully understand how their data is being collected and used, leading to potential ethical violations. Issues regarding informed consent must be prioritized, ensuring transparency in AI utilization.
- Data Breaches:** With increased data reliance comes heightened vulnerability to breaches. Educational institutions may not have the infrastructure to adequately protect sensitive data. A survey conducted by the Ponemon Institute found that 41% of organizations experienced a data breach in 2022, with education ranked among sectors most impacted.



AI in Higher Education: Data Privacy Challenges



ANALYZING JOB DISPLACEMENT IN HIGHER EDUCATION



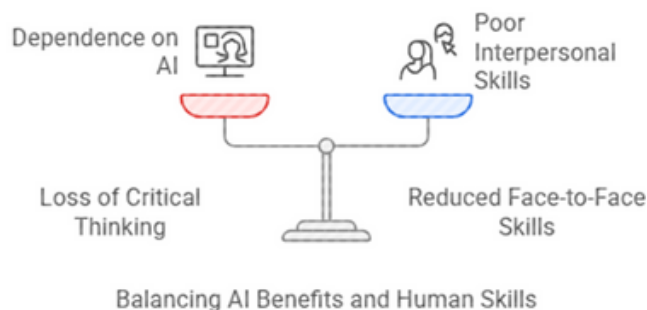
Job Displacement for Faculty and Staff

Another considerable consequence of integrating AI is the fear of job displacement among faculty and administrative staff. This concern unfolds in several ways:

- **Automation of Routine Tasks:** Many tasks traditionally performed by educators, such as grading and advising, can be augmented or entirely taken over by AI. A study from Deloitte indicated that over 30% of jobs in higher education could be automated in the coming decade, raising alarms about the future roles of educators.
- **Staff Reductions:** As institutions look to cut costs, the temptation to reduce faculty and staff could increase. For example, a report from the American Association of University Professors indicated that 48% of faculty positions are now adjunct or part-time, jeopardizing job security for many.
- **Erosion of Human Interaction:** The shift toward AI-driven models may devalue the vital human element in education, diminishing faculty's roles as mentors and advisors. A Gallup poll noted that 70% of students value personal connections with faculty, emphasizing the importance of human relationships in the learning experience.

Over-Reliance on Technology

With AI's increasing role in higher education, there is growing concern over an over-reliance on technology. Potential issues include:



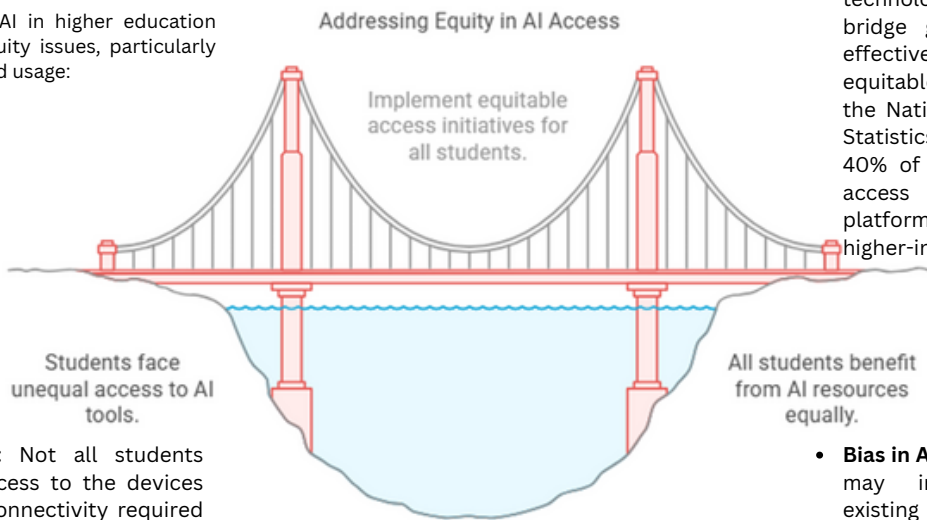
- **Loss of Critical Thinking Skills:** As students become accustomed to AI-driven assistance, there is the risk that they may rely too heavily on technology for problem-solving and critical thinking. According to educational expert Tony Bates, over-dependence on AI tools might impair students' abilities to think independently.
- **Reduced Face-to-Face Skills:** The reliance on virtual learning and AI communication tools can hinder essential interpersonal skills. Studies suggest that students engaged with AI-driven platforms may develop poorer verbal and non-verbal communication skills, which are critical in today's workforce.

“There is growing concern over an over-reliance on technology”

Equity Issues Regarding Access to AI Tools

The introduction of AI in higher education raises substantial equity issues, particularly concerning access and usage:

- **Digital Divide:** Not all students have equal access to the devices and internet connectivity required to engage with AI tools effectively. The Pew Research Center reported that about 15% of Americans do not have access to high-speed internet, a gap that can disproportionately affect low-income and rural students, limiting their opportunities.



- **Access to Resources:** While AI technologies have the potential to bridge gaps in education, their effectiveness is contingent upon equitable access. An estimate from the National Center for Education Statistics revealed that less than 40% of low-income students had access to AI-enhanced learning platforms compared to their higher-income peers.

- **Bias in AI Algorithms:** AI algorithms may inadvertently perpetuate existing biases. Data-driven systems can propagate inequities if the input data reflects historical imbalances. According to a study published in the Journal of Education and Information Technologies, 50% of educators reported concerns about biases in AI assessments and recommendations.

HOW SHOULD AI BE ETHICALLY DEPLOYED IN HIGHER EDUCATION?



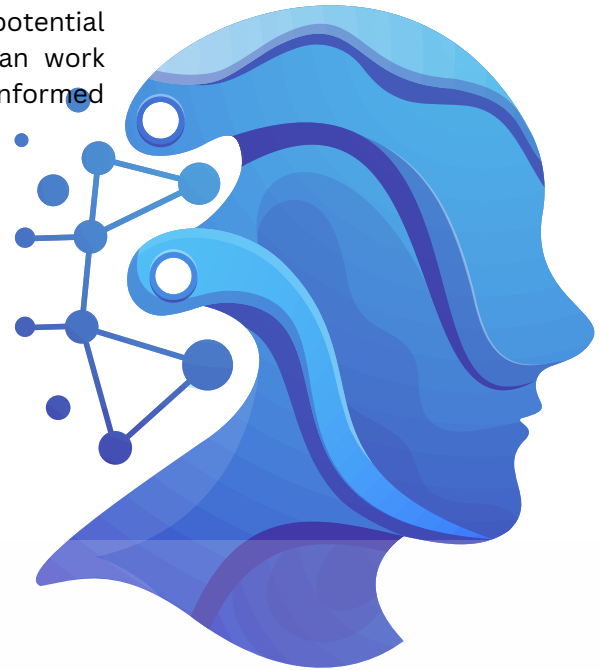
Ethical Concerns

The ethical implications of deploying AI in higher education cannot be overlooked:

- **Transparency and Accountability:** The 'black box' nature of many AI systems raises questions about accountability. How do institutions ensure that AI systems are functioning fairly and ethically? The lack of transparency can undermine trust among students and faculty.
- **Bias and Inequality:** There is a significant risk that AI systems might reinforce systemic biases present in the data they are trained on. A report from Stanford University indicated that AI systems have shown biased behavior against underrepresented groups, complicating efforts to create inclusive educational environments.
- **Intellectual Property Issues:** AI can produce content or even generate research ideas, leading to questions about ownership and intellectual rights. Institutions must grapple with legal implications surrounding authorship and proprietary content, as highlighted by a report from the World Intellectual Property Organization.

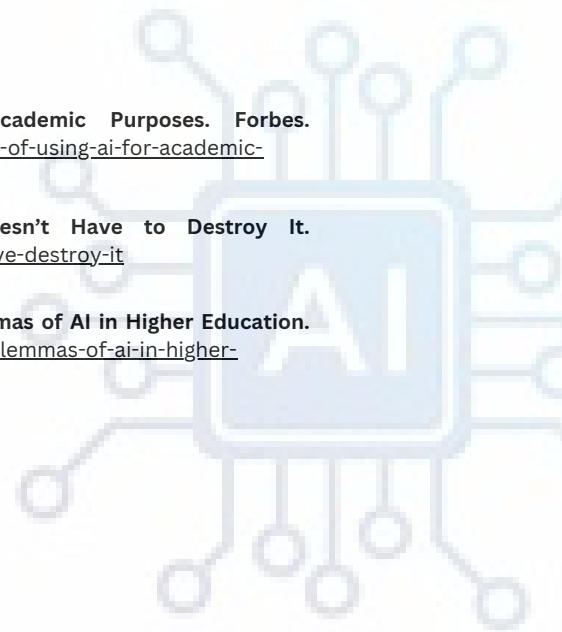
By understanding and analyzing these potential disadvantages, stakeholders in higher education can work towards mitigating these risks while making informed decisions about the deployment of AI technologies.

“Addressing these concerns is crucial to harnessing the benefits of AI without compromising the integrity and inclusivity of the educational system”



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