Empowering Education Leadership through AI

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Outline

Introduction

Part I
• Understanding AI in Education

Part II
• How will AI Empower educators?

Part III
• Challenges & Ethical Considerations

Conclusion
WHAT IS A.I.?

✓ The study of computer systems that attempt to model and apply the intelligence of the human mind.

✓ A branch of computer science dealing with the simulation of intelligent behaviour in computers.

✓ The capability of a machine to imitate intelligent human behaviour.
Short Activity

What comes to mind when you hear AI?

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Artificial Intelligence in Education
Part II: How will AI Empower educators?

✓ Personalised Learning
✓ Automated Administrative Tasks
✓ Enhanced Engagement
✓ Insightful Data Analysis
✓ Support for Diverse Learning Needs
✓ Virtual Teaching Assistants
✓ Professional Development
Generative AI taking empowerment to the next level ...

**Dreaming**
Helping you think
- Brainstorming/ideation/getting unstuck
- Summarization and synthesis of complex content
- Research and analysis
- Asking questions/learning

**Design**
Building your content
- Creating presentations, slides, and other content
- Creating course materials, exams, and syllabi
- Editing and creating images and videos
- Suggesting prompts and materials for trainings and workshops

**Drudgery**
Lightening your load
- Sending communications/emails
- Drafting administrative documents, materials, reports
- Reviewing and proofreading materials
- Grant, proposal, and contract writing

**Development**
Advancing your work
- Drafting department and institution policies
- Developing department and institution strategic plans
- Creating detailed project plans
- Offering advanced scripting and coding (e.g., complex SQL queries, Excel formulas)
Assessment issues ... as a result of AI

Deep Learning

Surface Learning

Level 6: Can the learner create a new product or point of view?
- assemble, construct, create, design, develop, formulate, write

Level 5: Can the learner justify a stand or decision?
- appraise, argue, defend, judge, select, support, value, evaluate

Level 4: Can the learner distinguish between different parts?
- appraise, compare, contrast, criticise, differentiate, discriminate, distinguish, examine, experiment, question, test

Level 3: Can the learner use information in a new way?
- choose, demonstrate, dramatise, employ, illustrate, interpret, operate, schedule, sketch, solve, use, write

Level 2: Can the learner explain ideas or concepts?
- classify, describe, discuss, explain, identify, locate, recognise, report, select, translate, paraphrase

Level 1: Can the learner recall or remember the information?
- define, duplicate, list, memorise, recall, repeat, state
Short Activity

Rank the following AI-driven tools based on their potential to empower education leaders:

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Part III: Challenges & Ethical Considerations

ETHICAL
- Regulation
- Privacy
- Mitigation of Bias
- Transparency
- Relevance

LEGAL
- Governance
- Confidentiality
- Liability
- Accuracy
- Decision Making

Legal & Ethical Considerations in AI
Short Activity

Which AI application do you think poses the greatest ethical challenge in education?

- Automated grading and feedback systems
- Personalized learning algorithms
- Predictive analytics for student performance
- Virtual assistants in classrooms

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During this session we have covered ...
Thank you

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