

INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI) IN EDUCATION



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Definition of AI:

- Artificial Intelligence (AI) refers to the development of computer systems that can perform tasks that typically require human intelligence. This includes learning, reasoning, problem-solving, perception, language understanding, and decision-making.

Types of AI:

Narrow AI (or Weak AI): Specialized in a specific task, like voice recognition or image classification.

General AI (or Strong AI): Possesses the ability to understand, learn, and apply knowledge across a wide range of tasks – akin to human intelligence.

COMMONLY USED AI APPS & WHAT THEY CAN DO:

Apps

- Grammarly- Spell check, monitors and corrects grammar
- Wordtune- Corrects grammar and improves readability; thesaurus feature to “tune” wording
- Writesonic- Increases productivity. Helps user overcome writer’s block by offering brainstorming ideas, outlines, summaries. Offers concise feedback and helps create high quality content
- ChatGPT- A generative pre-trained transformer. It is a tool that lets users enter prompts to receive humanlike images, text or videos that are created by AI.

AI CAN BE USED TO:

- Summarize book chapters and articles
- Compile data
- Generate quiz questions
- Create outlines
- Write text based on specific prompts



Impacts on Students:

Personalized Learning: AI can tailor educational content to individual students.

Smart Tutoring Systems: AI-driven tutoring systems can provide personalized assistance and feedback to students.

Automated Grading: AI algorithms can help streamline grading processes, providing quicker feedback to students.

Impacts on Faculty:

Efficient Administrative Tasks: AI can handle routine administrative tasks, allowing faculty to focus more on teaching and research.

Professional Development: Faculty can benefit from AI-driven platforms offering insights and resources for continuous professional development.

Impacts on Higher Education:

Enhanced Efficiency: AI can optimize administrative processes, reducing paperwork and improving overall efficiency.

Adaptive Learning Platforms: AI enables the development of adaptive learning systems that cater to diverse student needs, potentially improving overall educational outcomes.

Challenges and Considerations:

Ethical Concerns: Addressing issues related to the ethical use of AI in educational settings.

Infrastructure and Training: Investing in the necessary infrastructure and providing training for faculty and staff to effectively utilize AI tools.

Future Trends:

Continued Integration: Expect further integration of AI in educational systems, transforming traditional teaching and learning methods.

I thank you for your time and interest in AI.

“Artificial Intelligence is not a substitute for human intelligence; it is a tool to amplify human creativity and ingenuity.”

- Fei-Fei Li

