Workshop on ChatGPT and other AI tools on Higher Education Teaching and Learning and the Workplace

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ChatGPT

Outcomes

The outcomes of a workshop on ChatGPT and other AI tools in higher education teaching and learning and the workplace could include:

1. Increased awareness and understanding of the capabilities and limitations of ChatGPT and other AI tools among workshop participants.
2. Developed skills for effectively incorporating ChatGPT and other AI tools into teaching and learning, including best practices and guidelines for their use.
3. Identification of potential use cases for ChatGPT and other AI tools in higher education teaching and learning and the workplace.
4. Exploration of alternative forms of assessment to exercises and written assessments that can be completed by ChatGPT.
5. Discussion of the potential impact of ChatGPT and other AI tools on teaching and learning, and how to mitigate potential drawbacks and challenges.
6. Networking opportunities for participants to connect with other educators and professionals who are also interested in incorporating AI into their work.
7. A deeper understanding of the ethical and privacy implications of using ChatGPT and other AI tools in education and the workplace.
8. Opportunities for participants to brainstorm and share their own ideas for using ChatGPT and other AI tools in their specific contexts.
9. Providing a platform for participants to ask questions and get answers from the facilitator on how to implement ChatGPT and other AI tools in their own teaching and learning environments or workplace.
10. Encourage participants to reflect on the future implications of ChatGPT and other AI tools on their profession and the society.

The goal of the workshop would be to provide participants with a comprehensive understanding of how ChatGPT and other AI tools can be used to enhance teaching and learning and the workplace, as well as help them develop an understanding of what skills and knowledge will be needed to effectively incorporate these tools into their practice. In addition, participants should be more aware of the ethical and privacy concerns that may arise, and to be better equipped to address the challenges and opportunities that AI presents in their field.

Background

ChatGPT is a natural language processing (NLP) neural network developed by OpenAI. It is trained on a massive amount of text data. In fact, it has consumed as much of the text that is accessible on the Internet in addition to books and Wikipedia. ChatGPT is designed to understand and respond to natural language input, making it able to carry out language translation, summarising text and answering almost any question put to it.

ChatGPT generates answers from its understanding of a subject rather than simply reproducing content it has learned. It is also capable of learning new information after having been show only a few examples. It can also correct its understanding in the same way.

The power of ChatGPT becomes readily apparent when asked to create responses to questions that are normally asked of students as part of their assessment. In many instances, it does this as well as, or even better than human students do. This is true irrespective of the subject involved or the language it is asked in. This tool will have an enormous impact on teaching and learning in all walks of life but in particular in the way teaching and learning at universities operates.

The pros of using ChatGPT in teaching and learning at the university level may include:

1. Automation of repetitive tasks: ChatGPT can be used to automate repetitive tasks such as grading written assignments, providing feedback, and answering frequently asked questions. This can save time for teachers and allow them to focus on more important tasks.
2. Personalization: ChatGPT can be used to personalize the learning experience for students by providing them with tailored feedback and recommendations based on their learning style and progress.
3. Increased engagement: ChatGPT can be used to create interactive and engaging learning experiences, such as virtual tutoring sessions and conversation-based exercises.
4. Flexibility: ChatGPT can be used in a variety of settings, including online and blended learning environments, which can provide more flexibility in terms of scheduling and location.

On the other hand, the cons of using ChatGPT in teaching and learning at the university level may include:

1. Dependence on technology: Relying too heavily on ChatGPT may lead to a lack of critical thinking and problem-solving skills in students.
2. Limited creativity: ChatGPT-generated content may lack creativity and originality and may not be able to fully capture the complexity of certain subjects.
3. Lack of human touch: ChatGPT-generated feedback and responses may lack the personal touch and nuance that can only come from a human teacher.
4. Privacy and security concerns: ChatGPT is a language model that is trained on a large amount of data, so there are concerns about privacy and security when using such a tool in an educational setting.
5. Cost: The cost of using ChatGPT in education can be high and not accessible for all institutions.

Agenda for Workshop

1. How does ChatGPT work? What are its strengths and limitations?
2. Teaching focus: how can ChatGPT be used to assist teaching:
   a. Production of content: courses, lectures, tutorials, assessment, FAQs
   b. Production of outcomes, rubrics
   c. Marking of assessment and giving feedback
   d. Tutoring
3. Student focus: how can students legitimately use ChatGPT for their learning outcomes:
   a. Using it for learning
   b. Editing work
   c. Role in accessibility for disabled students

      d.   Learning how to incorporate these tools in future workplace
      e.   Understanding its limitations
      f.   Understanding the ethical and legal aspects of its use

4. Workplace focus: how will/is AI and ChatGPT being used in professional work? How can we prepare students for a workplace that becomes reliant on these types of assistive technologies?

5. Assessment: In the short term, how do we adapt assessment so that the use of tools such as ChatGPT have minimal impact or are integrated into the process.

6. Ethics and legal aspects of ChatGPT