ARTIFICIAL INTELLIGENCE FOR LEARNING AND RESEARCH IN HIGHER EDUCATION WORKSHOP REPORT
May 9, 2024

The workshop on "Artificial Intelligence for Learning and Research in Higher Education," held by Center for Teaching and Learning at TED University, by Şevval Kübra Özer, Educational Assistant Specialist. The seminar aimed to facilitate students in gaining insights into artificial intelligence in learning and research. It was a one-hour session aimed at explaining the utilization and challenges of AI in educational settings. This report includes an overall evaluation of the workshop, the gains achieved by the participants, and recommendations regarding the use of artificial intelligence tools in education.

1. Participants

Students attended the workshop from various faculties and class levels of TED University. 13 university students participated in the workshop. The distribution of class year and faculty is provided in Figure 1 and 2.
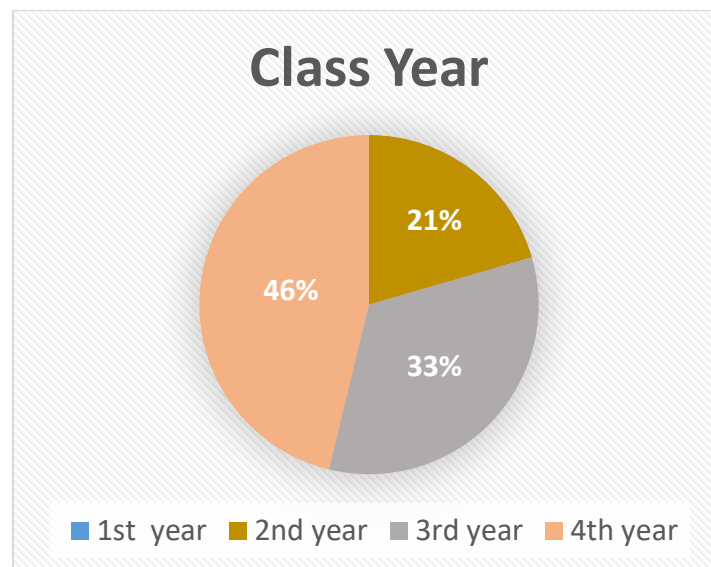

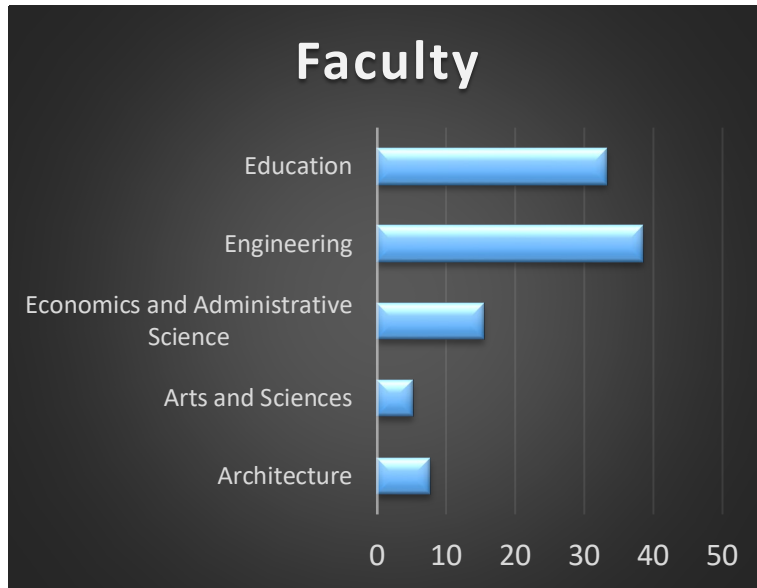*Figure 1.* Distribution of Class Year

Figure 2. Distribution of Faculty

2. Content of Workshop

The workshop covered topics such as ethical and privacy issues, professional development and research and academic writing AI tools. The students who attended the workshop discussed use of AI in higher education and the applications of AI tools in educational processes.

3. Evaluation

The effectiveness of the workshop was assessed through "Artificial Intelligence for Learning and Research in Higher Education Workshop Survey" conducted after the workshop. This evaluation included three open-ended questions to gather feedback from students (n=13):

1. Reflecting on your overall experience with artificial intelligence in the seminar, what specific insights or learnings have you gained that you didn't have before?
2. Reflecting on your experience with artificial intelligence tools in the seminar, how have your perceptions of the difficulties or challenges associated with their use evolved, if at all?

3. Have your expectations from the university or your instructors for integration of artificial intelligence tools in your educational process evolved since attending the seminar? If yes, how?

These questions aimed to capture students' perspectives and insights regarding their experiences with AI during the seminar, including changes in their perceptions of AI tools and their expectations for their educational integration. Students' answers and suggestions are summarized below:

3.1 Learnings

Participants provided that they learned about various AI tools, including their functionalities and applications. They indicated that learned how to integrate AI tools to prepare documents such as CVs, cover letters or professional emails. They also discussed ethical and privacy issues related to the use of AI in education. The workshop provided guidance on how to cite ChatGPT as a source, emphasizing the importance of proper attribution. Additionally, participants realized that AI does not always provide accurate information and that it is crucial to verify the information obtained from AI tools. They also explored different use cases of AI tools in various educational settings.

Theme	Code	f
Research and Information Retrieval	Research purposes	2
	To analyse articles	1
	Asking questions in general	1
Learning Enhancement	Understanding assignment frames	2
	Studying and understanding lesson details	1
	Gaining knowledge about subjects	2
	To learn better	1
	For papers, assignments and essays	1
	Personalized learning	1
	Adaptive assessment	1
Presentation and Creativity	Getting better or correct versions of work	1
	Correcting spelling errors	1
Content Generation and Correction	Generating images	1
	Boosting creativity	1

3.2 Perception Changes

The workshop helped participants understand that AI is not always a reliable source of information. This realization led to a more conscious use of AI tools, with an emphasis on critical evaluation of the information provided by AI. Participants also pointed out that they became more aware of the ethical issues that may arise in the integration of AI tools.

Theme	Code	f
User Interaction	Misunderstands response	1
	Misinterprets commands	1
	Difficulty in explaining needs	1
	Needs clear response	1
Accuracy and Reliability	Limited capabilities of free versions	1
	Incorrect information	4
	Non-reliable data	2
Ethical and Practical Concerns	Ethical issues	2
	Poor activity generation	1

3.3 Expectations

Students expressed their expectations for the future use of AI tools in education. They called for more effective use of AI tools by universities and educators to enhance teaching and learning experiences. Additionally, they expressed a desire for more seminars and workshops on AI to further their understanding and skills. Finally, participants highlighted the importance of establishing clear boundaries for AI usage to ensure ethical and effective implementation.

Theme	Code	f
Integration of AI	Integrating AI into Courses	4
	Effective Use of AI Tools	3
	AI in Micro-Teaching	2
	Elective AI Courses	1
Ethical and Practical Use	Guidelines and Ethical Use	3
	Guidelines of AI features	2
Professional Development	Learning Opportunities	3
	Workshops and Training	3
	Career Relevance	1