ARE YOU AI READY?

Investigating AI Tools in Higher Education

UCD School of Nursing, Midwifery and Health Systems
UCD College of Social Sciences and Law

PROJECT AIMS

- Critical evaluation of the use of high-profile AI applications (e.g., Grammarly, Perplexity, ChatGPT) in higher education, using DigComp 2.2: The Digital Competence Framework for Citizens framework (Vuorikari et al., 2022).

- Findings used to co-design online 'AI Readiness' (Luckin et al., 2022) resources that provide students and faculty with the necessary knowledge to make informed decisions about the integration of AI tools in everyday practice.

- Co-development of AI digital capabilities matrix with best-practice guidelines for contextualisation of the 'AI Readiness' resources across disciplines.

PROJECT OUTPUTS

- Development of a GenAI Capabilities Matrix

  - Presented at 10th International Conference on Higher Education Advances (HEAd'24) https://doi.org/10.4995/HEAd24.2024.17105

- Creation of 'AI Readiness' resources

  - Self-directed modules for faculty and students in Brightspace (UCD's learning management system)

  - Digital badges and certificate of completion available on completion of activities

  - ~400 students certified to date

- Digital interactive book published as online OER (Open Educational Resources)

  - Can be freely adapted, repurposed, and republished as required

OER RESOURCES
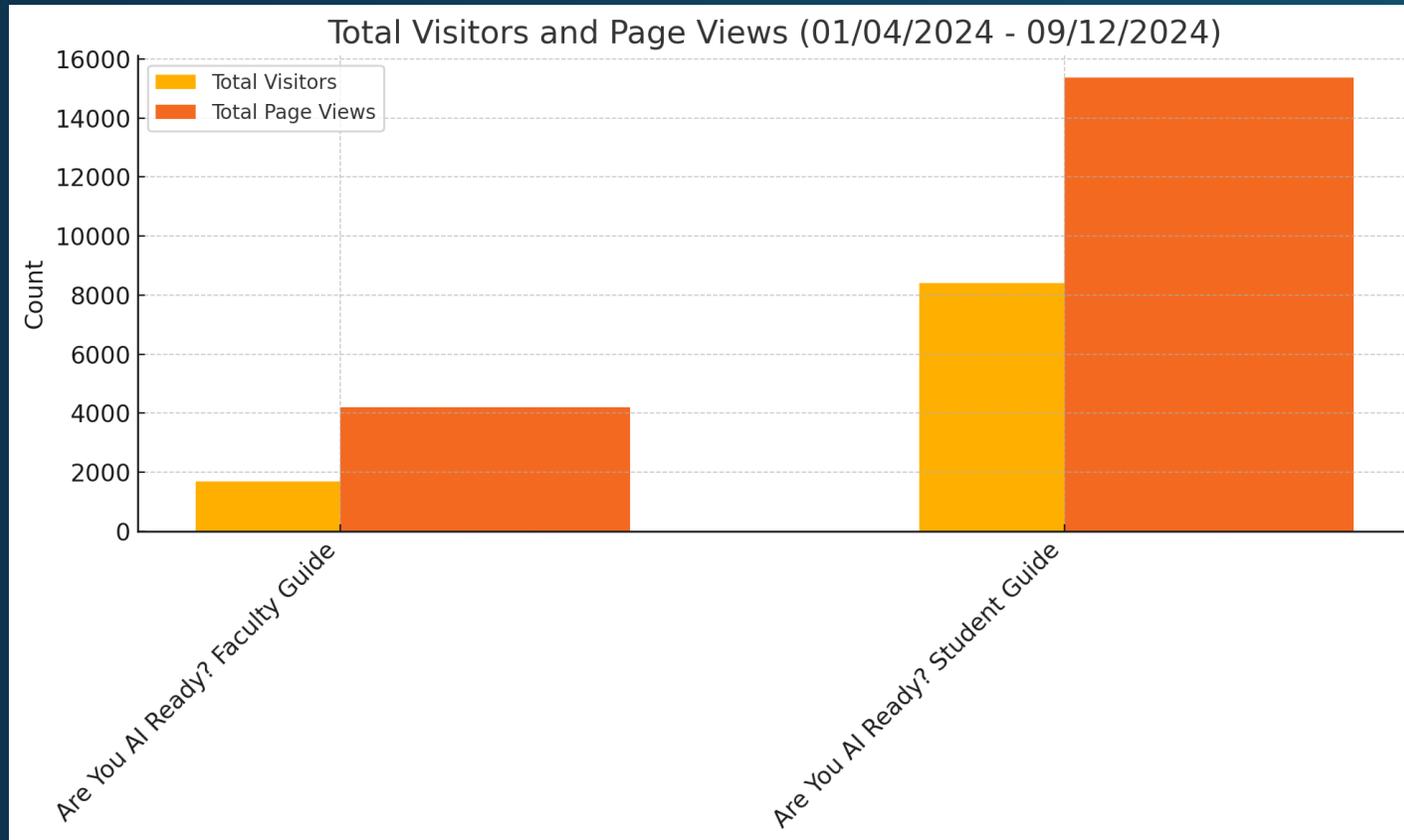
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In Higher Education

Student Guide

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Faculty Guide

EVALUATION – Online User Engagement

Total Visitors and Page Views (01/04/2024 - 09/12/2024)
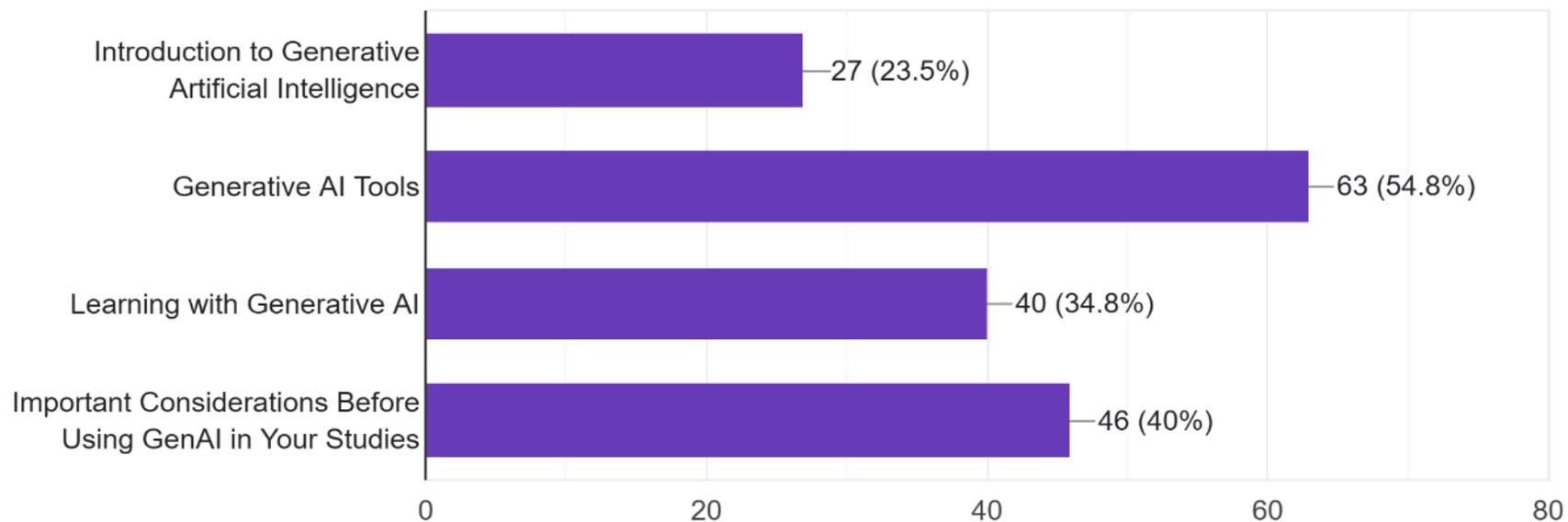
Engagement Ratio

Faculty Guide = 2.51

Student Guide = 1.83

EVALUATION – Student Survey

Which section(s) of the guide did you find most informative? (Select all that apply)

115 responses

- Introduction to Generative Artificial Intelligence — 27 (23.5%)
- Generative AI Tools — 63 (54.8%)
- Learning with Generative AI — 40 (34.8%)
- Important Considerations Before Using GenAI in Your Studies — 46 (40%)

EVALUATION – Student Survey

N = 92	Mean	Median	Standard Deviation	Mode
Usefulness of Guide	3.88	4.00	0.85	4.00 (Very useful)
Effectiveness on Ethical Implications	3.91	4.00	0.78	4.00 (Very effective)
Preparedness Level	3.70	4.00	0.87	4.00 (Quite prepared)

RECOMMENDATIONS

- Student vs. faculty specific strategies
- Expand on successful content
- Boost promotion of underperforming content
- Targeted outreach and partnerships
- Analyse traffic patterns for future events

PROJECT TEAM

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[8]School of Education
[9]School of Social Policy, Social Work & Social Justice
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THANK YOU!

REFERENCES

- Luckin, R., Cukurova, M., Kent, C., & Boulay, B. d. (2022). Empowering Educators to Be AI- ready. *Computers and Education Artificial Intelligence*. https://doi.org/10.1016/j.caeai.2022.100076

- Vuorikari, R., Kluzer, S., & Punie, Y. (2022). DigComp 2.2: The Digital Competence Framework for Citizens - With new examples of knowledge, skills and attitudes. Luxembourg: Publications Office of the European Union Retrieved from https://publications.jrc.ec.europa.eu/repository/handle/JRC128415

OER RESOURCES

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