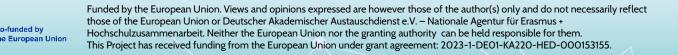
Use And Perception Of Generative **Al In Higher Education**

*Graphics used in this presentation were created by Susmita Rudra and Peter Weber



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Use and Perception of Generative AI in Higher Education: Insights from the ERASMUS+ Project 'Teaching and Learning with Artificial Intelligence' (TaLAI)

Topics: AI Literacy; Next Generation Teaching and Learning Environments

In Proceedings of the 17th International Conference on Computer Supported Education - Volume 2: CSEDU, 319-330, 2025 , Porto, Portugal

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Sananiu Rodni C., Peter Weber C., Tarija Tillmanna C., Alfredo Schemic Fisher C., Emme Wennerd J., Jalin Daviel C., Davie De Davinairo C., and Salty Reprodukt 'Composer Cinter & Common (CAU), Neth Heiphelic Internet of Appled Stream, Isan Umer 'The Investor In Learning Lancet (Ed), Frieddick University of Appled Stream, Sant Umerup 'Produced in Learning Control (Ed), Frieddick University of Appled Stream, Scherbard 'Verolog & Learning Control Editor University of American. Networks, Netherlands 'Model & Learning Control Learning American. Networks, Netherlands

Keywords Generative AJ, Higher Education, Perception, Survey Results.

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- Al adaption. This paper contribution to the cognizing distancement on this AI is dependentation and a situal at education, policyremism, and encourselynes contented with its requestible not. By addressing related to and advantant body propositions and a security interaction and pelosyndhars and structure and informed advantaging and guidelines that promote requestible and effective as or Occub, a literative enhancing the or mult including and guidelines that promote requestible and effective as or Occub. Iterative enhancing the or mult including and literative experiments in address and security in the original or address and pelosyndhisms.

1 INTRODUCTION

The rapid advancement of Generative Artificial Institigences (GarAI) has the potential to recollarisative higher education by offering rocks that enhance tracking and learning experiment. Unlike and numerical predictions, GenAI refers to models the generate nocels, providely useron content basad

coloring data partness (Garcia-Patalov & Vlarquezts that highlino, 2023). GenAl-powered holes have nalike demonstrated capabilities in generating content, rules adding in problem adving, summarizing torses and odels, providing personalized feedback, making them hand.

on the data they have been trained on. These models produce human-like material that can be interacted

with and consumed, rather than merely analysing

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Keyword(s): Generative AI, Higher Education, Perception, Survey Results.

Abstract: The integration of Generative Artificial Intelligence (GenAI) in higher education offers transformative opportunities alongside significant challenges for both educators and students. This study, part of the ERASMUS+ project Teaching and Learning with Artificial Intelligence (TaLAI), aims to explore the familiarity, usage patterns, and perceptions of GenAI in academic settings. A survey of 152 students (mainly from Germany, Belgium, and the Netherlands) and 118 educators (81 professors, 37 trainers) reveals widespread GenAI use, with ChatGPT being the most common tool. Findings indicate both enthusiasm for GenAI's potential benefits and concerns regarding ethical implications, academic integrity, and its impact on learning processes. While students and educators recognize GenAI's ability to enhance learning and productivity, uncertainties persist regarding assessment practices and its potential short and long-term effects on various aspect such as decision making, creativity, and mem (More)



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TaLAI (Teaching and Learning with Artificial Intelligence in Higher Education)

- **Objective**: introduce innovative pedagogical approaches that ethically integrate AI in higher education.
- Partners:
 - FAU-Institute for Learning-Innovation (FAU-ILI) (Germany)
 - South Westphalia University of Applied Sciences (FH-SWF) (Germany)
 - University of Amsterdam (UvA) (Netherlands)
 - Media & Learning Association (Belgium)
- Timeline: November 2023- October 2026
- If you are interested to learn more about the project please visit
 www.talaiproject.eu





TalAI

Survey

A survey of educators and students assessed the current status of GenAl use, perception, and acceptance within higher education institutions

Timeline: 12 June 2024 - 2 September 2024



Survey Participants



270 Total Respondents Diverse group of higher education stakeholders

Students Undergraduate and postgraduate learners

152

118

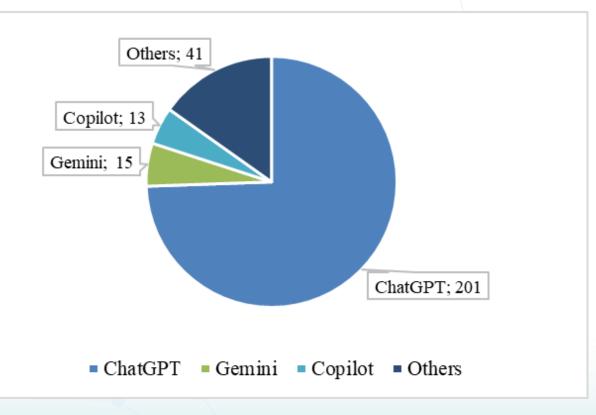
Educators Professors, lecturers, researchers, and trainers

EUROPE 88%

Germany Netherlands Belgium



Generative Al Tool Preference : 'Number One' Tool

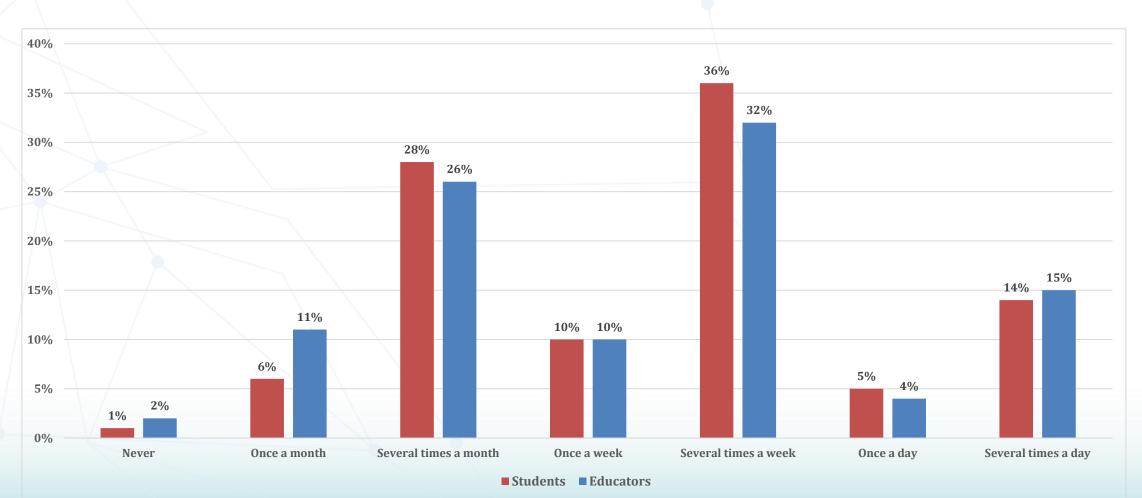




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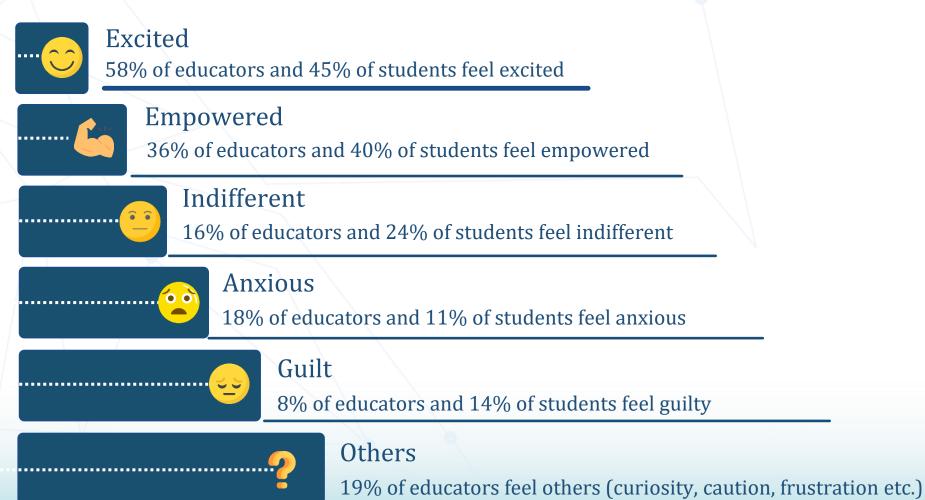
Use Behavior: Students and Educators





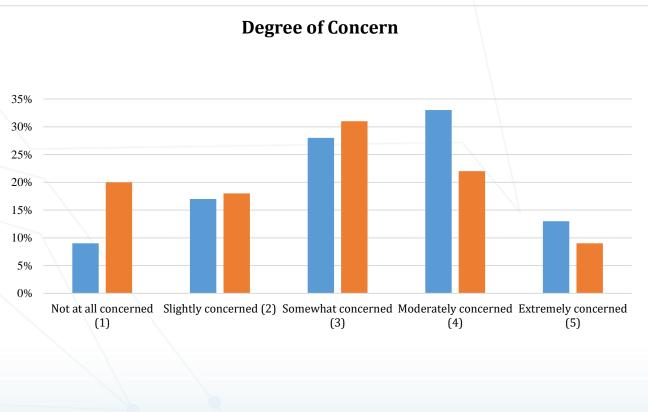
How do you feel when using genAl tools in your (studies / teaching / academic work)?







Do you have concerns while using GenAl in higher education?



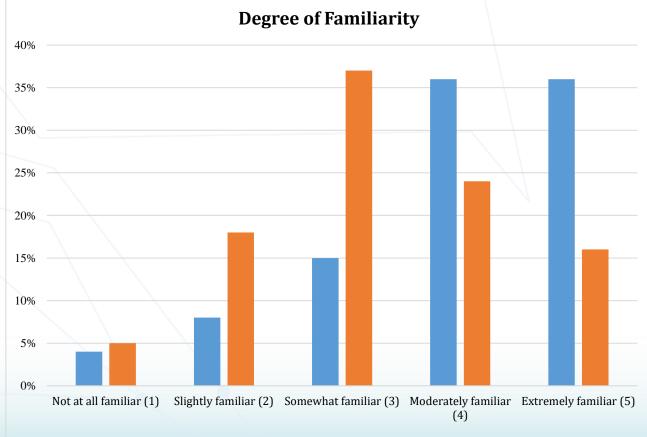
Educators Students



TalA

How familiar are you with the ethical implications of integrating GenAI technologies in higher education?





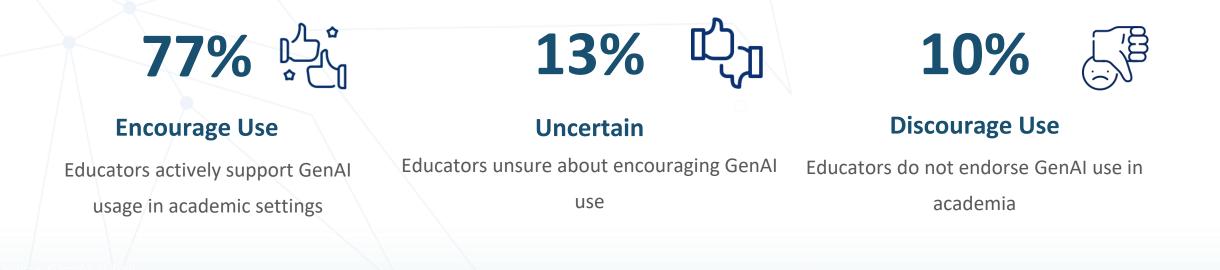
Educators Students





Educators' Perspectives:

Do you encourage students to use generative AI tools responsibly and ethically for academic purposes?





Students' Perceptions:

Do your lecturers/professors encourage you for responsible and ethical use of generative AI tools regarding academic purpose?



Encourage Use

of students receive encouragement

for responsible GenAl use

Uncertain are unsure about receiving guidance on ethical GenAl use

24%



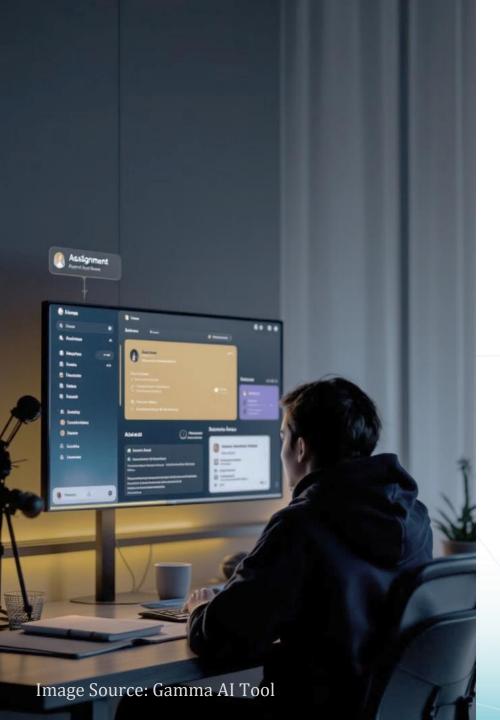
20%



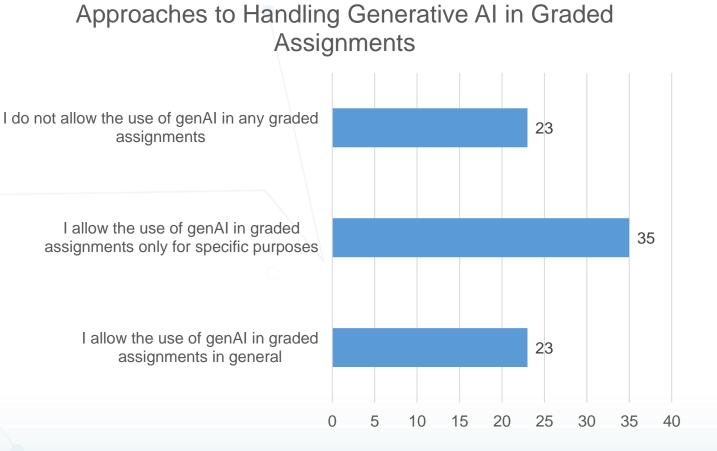


Classroom Practices: How do you handle the use of generative AI in graded assignments?





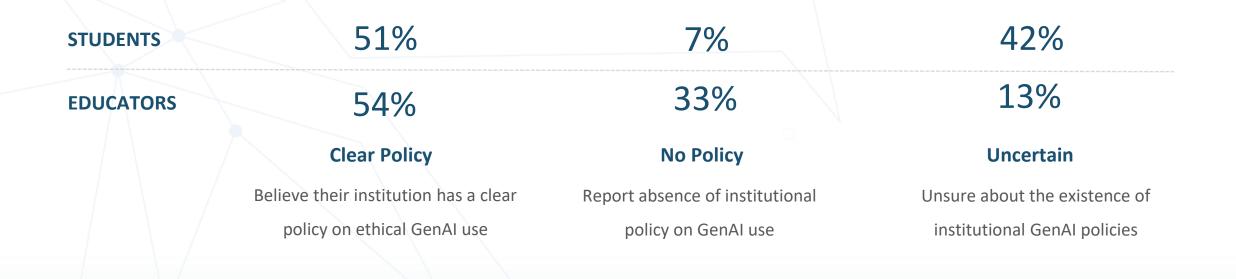








Institutional Policy Awareness : Does your university/program have a policy on the ethical use of genAl tools?





Key Findings



- Similarities between Students and Educators: Intensity of use, emotions associated with it, and perceived impact on learning are surprisingly similar for both students and educators.
- **GenAl in Assignments:** Over 70% of instructors allow at least some use of generative Al in graded assignments.
- Ethical Implications: Teachers are more aware of ethical implications and express greater concern. Academic integrity remains the main issue.
- Institutional Policy: Only half of the students and educators perceive a clear institutional policy. Many students are uncertain about policies (42% compared to 13% of educators).
- Institutional Support: Clear guidelines, educator training, and student resources are needed for the responsible use of GenAI.

