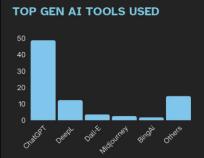
THE IMPACT OF GEN AI ON EDUCATION AND COGNITIVE ABILITIES

in BY: Keerthi Shravani Khyati Shah Sahil Yadav Sivana D'Costa Vansh Kharyal

Insights into The Usage, Motivations And Impacts of Generative AI in Education



These popular tools are shaping the educational landscape by providing diverse functionalities that cater to different learning needs.

GEN AI USAGE BY STUDENT FACULTY

Master's students use AI tools more frequently than Bachelor's and doctoral

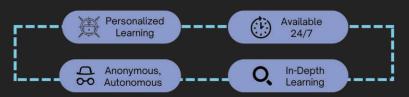
students.			
Engineering 75%	Maths & Natural Sciences 72%	Social Sciences 51%	Agriculture & Forestry 48%
Arts 73%	Humanities 61%	Health Sciences 53%	

MOTIVATIONS TO USE GEN AI

Eases Assignment Pressure



Empowers Independent Learning



MULTI-FACETED ROLE OF GEN AI











Both educators and students agree that exams with essays, computer code, multiple-choice, and short-answer questions are significantly influenced by generative AI

Social & Emotional Cognitive Ability Increased Increased speed

Learning Ffficiency Misconception of Cognitive Abilities

Risk of Cognitive Atrophy

Impaired critical thinking ability

IMPACT OF GEN AI ON STUDENTS Risk to Emotional Intelligence Impact on Lower CGPA

Soft Skills Perpetuates

Existing Biases

IMPACT OF GEN AI ON OTHER STAKEHOLDERS

Potential to enhance teaching efficiency **Educator Training** is needed

Ethical Considerations

Need to Safeguard students

78%

US teachers feel unequipped to use GenAI

13 years

Is the age limit urged by UNESCO for AI in education

RECOMMENDATIONS

Set Guidelines

Set clear guidelines for AI use to standardize and assess its impact.

Critical Thinking First

Teach critical thinking before AI integration to enhance students' evaluation skills.

AI Enhanced Curriculum

Develop interdisciplinary curricula to integrate AI into diverse teaching methods.

Equitable AI Access

Ensure fair AI access by addressing resource disparities in institutes.

Educator AI Training

Provide AI training for educators to support effective integration and address challenges.