Supplementary Material S1: Survey Questionnaire

Response format (for all statements):

1 = Strongly disagree; 2 = Disagree; 3 = Neutral; 4 = Agree; 5 = Strongly agree.

Section A. Demographic information

D1. Gender: Male / Female / Prefer to self-describe: ____ / Prefer not to say

D2. Age: 17–25 / 26–30 / 31–35 / 36+ / Prefer not to say

D3. Academic level: Undergraduate / Master's / Doctorate (PhD) or higher / Other: ____

D4. Field of study: Engineering/Technology / Social Sciences / Arts and Humanities / Medicine/Health Sciences / Business/Management / Other: ____

D5. Frequency of AI usage: Daily / Weekly / Monthly / Rarely

D6. Time spent per week using AI tools: Less than 1 hour / 1–5 hours / 6–10 hours / More than 10 hours

D7. Familiarity level with AI tools: Beginner / Intermediate / Advanced

D8. Main motivation to use AI tools: To improve academic performance / Exploring new technologies / Peer influence / Instructor recommendation / Other: ____

Section B. Measurement items

Please indicate your level of agreement with each statement using the 1–5 scale shown above.

Construct	Code	Item	Source
Fear of Missing Out (FoMO)	FoMO1	I fear that other students using AI tools are gaining more advantages than I am.	Adapted and modified from Osemeahon and Agoyi (2020).
	FoMO2	I feel anxious when I think I might miss out on valuable AI-supported learning experiences.	
	FoMO3	I worry that without using AI tools, I will fall behind	

		academically compared to my peers.	
	FoMO4	I feel pressured to stay updated with AI advancements because other students are benefiting from them.	
Subjective Norms (SN)	SN1	People who are important to me think I should rely on AI tools for learning.	Adapted and modified from Kong et al. (2024).
	SN2	I use AI tools because they are widely valued and considered essential by my peers.	
	SN3	I think my academic performance will improve if I use AI tools like my peers.	
	SN4	The popularity of AI tools among students influenced my decision to try them.	
Word of Mouth (WOM)	WOM1	Recommendations from other students influenced my decision to use AI tools.	Adapted and modified from Jierasup and Leelasantitham (2024) and Jo (2023).
	WOM2	I have been encouraged to use AI tools because of positive feedback from friends or classmates.	
	WOM3	Students who use AI tools frequently share their success stories, influencing my perception of their usefulness.	
	WOM4	I recommend AI tools to other students who need academic support.	
Trust in AI (TAI)	TAI1	When my classmates or teachers recommend an AI tool,	Adapted and modified from Nazaretsky et al. (2025).

		I'm more likely to trust it.	
	TAI2	When I see others benefiting from AI tools, I tend to trust them more.	
	TAI3	My peers' positive comments about AI make me feel it's trustworthy.	
	TAI4	Hearing about others' success with AI tools makes me believe I can trust them too.	
AI Usage (AIU)	AIU1	I use AI tools to improve my efficiency and academic performance.	Adapted and modified from Rahim et al. (2022).
	AIU2	I use AI tools for handling routine academic inquiries, making studying more manageable.	
	AIU3	I use AI tools to assist me with urgent or unexpected academic activities.	
	AIU4	I use AI tools to explore new ways of learning that I wouldn't have considered otherwise.	
	AIU5	I am willing to continue using AI-powered academic tools (e.g., chatbots, assistants) because they enhance my learning experience.	
Perceived Competence (PC)	PC1	When I interact with AI tools, I feel competent in my academic abilities.	Adapted and modified from Xia et al. (2022).
	PC2	Using AI tools allows me to achieve the	

		academic goals I set for myself.	
	PC3	I feel like I can handle any academic task when I use AI tools.	
	PC4	Regular use of AI tools has improved my confidence in tackling complex academic tasks.	
Perceived Intelligence (PI)	PI1	AI tools provide accurate and reliable information that I depend on.	Adapted and modified from Yao and Xi (2024).
	PI2	The AI tool can find and process the necessary information to help me complete my academic tasks.	
	PI3	I believe the AI tool completes tasks quickly and efficiently.	
	PI4	I consider AI tools to be a valuable source of knowledge that enhances my learning.	
AI Dependency (AID)	AID1	I rely heavily on AI tools to complete my academic tasks and assignments.	Adapted and modified from Capinding (2024).
	AID2	I often find myself using AI tools even for tasks I could complete independently.	
	AID3	When I can't access AI tools, I feel less confident in my academic performance.	
	AID4	I feel that I depend on AI tools to stay organized and manage my study time.	
	AID5	I feel uncomfortable working on academic tasks without using AI	

		tools.	
	AID6	I rely on AI tools like ChatGPT so much that I sometimes doubt my abilities without them.	

Note:

One Trust in AI item (TAI4) was removed during measurement model evaluation due to cross-loading before estimating the final structural model.