Appendix

GenAI Empowering College Students' Foreign Language Learning Questionnaire

Dear students, hello! We are conducting a project study on GenAI empowering college students' foreign language learning and hope to conduct in-depth research in the form of questionnaires. The data from this survey will be strictly confidential and used only for survey analysis, and no personal information will be disclosed. This study aims to further understand people 's views on AI-assisted foreign language learning. All answers have no right or wrong, good or bad. Please fill them out based on your real feelings and experiences. Thank you for your contribution to the cause of linguistics!

Part 1: Basic Information

1.Your gender: [single-choice question] *

○Male   ○Female

2.Your school: [fill-in-the-blank] *

_____

3.Your major: [fill-in-the-blank] *

_____

4.Your grade: [Single-choice question] *

   ○ Freshman   ○ Sophomor   ○ Junior   ○ Senior

5.Your major type: [single-choice question] *

   ○ Foreign Language major

                        ○Non-foreign language major

6.Your place of origin: [Single-choice question] *
○City
○Rural

7.You are willing to learn about and use AI technology. [Single-choice question] *

Not fit at
  all   A. 1   A. 2   A. 3   A. 4   A. 5   It fits well

8.What are the main scenarios in which you use AI tools? (Multiple choices are allowed)

[Multiple-choice question] *

□ Foreign language learning

□ Self-study after class

□ Essay writing

□ Exam preparation

□ Interest Expansion

□ Group collaboration tasks

□ Others (please indicate:) _____ *

9.Your choices of AI tools include: (Multiple choices allowed) [multiple-choice question] *

□ChatGPT

□ DeepSeek

□ Doubao

□ Kimi

□ Wenxin Yiyan

□ Google Assistant

□ Tian Gong AI

□ Others (please indicate) : _____ *

Part 2: Feature Preferences (Using the Likert 5-point scale)

10.How often do you use AI tools to assist your foreign language learning?

[Single-choice question] *

Never   A. 1   A. 2   A. 3   A. 4   A. 5   Every day

11.How often you use AI for writing assistance (such as grammar correction, essay generation) is (1-5 points, 1= almost never, 5= always) :

[Single-choice question] *

Almost not   A. 1   A. 2   A. 3   A. 4   A. 5   Always

12.The frequency with which you use AI for listening training (such as AI voice dialogue, listening material recommendation) is:

[Single-choice question] *

Almost not   A. 1   A. 2   A. 3   A. 4   A. 5   Always

13.How often you use AI for oral practice (such as pronunciation scoring, simulated conversations) is:

[Single-choice question] *

Almost not   A. 1   A. 2   A. 3   A. 4   A. 5   Always

14.How often you use AI for vocabulary and grammar learning (such as word memorization, grammar parsing) is:

[Single-choice question] *

Almost not   A. 1   A. 2   A. 3   A. 4   A. 5   Always

15.How often you use AI for cross-cultural communication learning (such as cultural background knowledge push) is:

[Single-choice question] *

Almost not   A. 1   A. 2   A. 3   A. 4   A. 5   Always

Part 3 of 3: Effect Perception (Using the Likert 5-point scale)

16.My foreign language vocabulary has improved significantly after using AI tools.

[Single-choice question] *

Strongly disagree   A. 1   A. 2   A. 3   A. 4   A. 5   Agree very much

17.My proficiency in grammar (such as sentence structure and the use of tenses) has improved after using AI tools.

[Single-choice question] *

Strongly disagree   A. 1   A. 2   A. 3   A. 4   A. 5   Agree very much

18.After using AI tools, my spoken expressions (such as pronunciation accuracy and fluency) are much more fluent.

[Single-choice question] *

Strongly disagree   A. 1   A. 2   A. 3   A. 4   A. 5   I quite agree.

19.After using AI tools, I have gained a deeper understanding of cross-cultural communication, such as cultural differences and social etiquette.

[Single-choice question] *

Strongly disagree   A. 1   A. 2   A. 3   A. 4   A. 5   Agree very much

20.After using AI tools, my foreign language learning efficiency (such as time management, task completion speed) has improved.

[Single-choice question] *

Strongly disagree   A. 1   A. 2   A. 3   A. 4   A. 5   Agree very much

Part 4: Influencing Factors (using the Likert 5-point scale)

21.I think the operation interface of AI tools (such as clear navigation and well-defined functional classification) is easy to use.

[Single-choice question] *

Strongly disagree   A. 1   A. 2   A. 3   A. 4   A. 5   Agree very much

22.When using AI tools, I believe I can effectively complete learning tasks such as writing and listening training.

[Single-choice question] *

Not fit at all   A. 1   A. 2   A. 3   A. 4   A. 5   It fits well

23.Please fill in 12345 to ensure the validity of this questionnaire: [fill-in-the-blank] *

_____

24.After using the AI tool, I have devoted more time to my foreign language learning (such as an increase in daily study hours).

[Single-choice question] *

| Not fit at all | A. 1 | A. 2 | A. 3 | A. 4 | A. 5 | It fits well |

25.The guidance from teachers (such as recommending tools and demonstrating their usage methods) can help me better utilize AI tools to learn foreign languages.

[Single-choice question] *

| Strongly disagree | A. 1 | A. 2 | A. 3 | A. 4 | A. 5 | Agree very much |

26.Do you think the feedback speed of AI tools (such as real-time grammar correction) meets the requirements?

[Single-choice question] *

| Very dissatisfied | A. 1 | A. 2 | A. 3 | A. 4 | A. 5 | Very satisfied |

Part 5: Open-ended Questions

27.What do you think are the greatest strengths and weaknesses of current AI tools in foreign language learning? [Fill in the blanks] *

_____

28.What features or directions do you want future AI tools to add or improve? [Fill in the blanks] *

_____