

## Student feedback questionnaire on the long-term effects of the personalized exercise recommendation algorithm

### Claim

Thank you for participating in this survey. This questionnaire is designed to collect your feedback after using the personalized exercise recommendation algorithm (ER-TGA). Your comments will help us to further optimize the system and improve the learning effect. Please answer the following questions based on your true experience.

### Learning Effects

1. After receiving personalized exercises, has your academic performance in *information technology* improved?  
A. Significantly increased   B. improved   C. no change   D. decreased   E. significantly decreased
2. Do the recommended exercises help you to deeply understand the knowledge concepts?  
A. Very helpful   B. have some help   C. General   D. No help   E. No help at all
3. Do you feel that your academic performance in *information technology* is more stable after receiving the recommendation of the algorithm?  
A. Very stable   B. relatively stable   C. no change   D. Unstable   E. Very unstable
4. Please evaluate your learning effect of the exercise recommendation algorithm?  
A. Very satisfied   B. Satisfied   C. General   D. Dissatisfied   E. Very dissatisfied

### Engagement and usage habits

1. After receiving the personalized exercise recommendation algorithm, will you actively adjust your study plan according to the recommended content?  
A. Always   B. Often   C. Occasionally   D. Very little   E. Never
2. After receiving the personalized exercises recommendation algorithm recommendation exercises, do you feel that the recommended exercises meet your personal learning needs?  
A. Fully compliant   B. Basic compliant   C. Sometimes compliant   D. Rarely compliant  
E. Completely non compliant
3. Has your interest and enthusiasm in learning have improved?  
A. Very improved   B. Slightly increased   C. No change   D. Slightly lower   E. Very lower
4. Would you like to continue using the exercise recommendation algorithm and recommend it to others?  
A. Very willing   B. Willing   C. Not sure   D. Unwilling   E. Very unwilling
5. Any suggestions or other comments?

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**Participant consent form**

I agree that the data collected under this questionnaire will be used for academic research and that my personal information will only be used for this research and strictly confidential.

A. Agree    B. Disagree