Post-Study Questionnaire: Evaluation of AI Avatar Learning Experience

Section 1: Instructions to Participants:

We are conducting a short post-survey as part of a Human–AI Interaction study.

The following questions ask about your learning experience with the AI avatar. There are no right or wrong answers. Please answer honestly based on your personal experience.

The survey takes approximately **5–8 minutes**, is **anonymous**, and all responses will be used for academic purposes only.

Thank you for participating in this study!

1. User ID *
   (Auto-filled by system. Please do not edit this field.)

Section 2: Knowledge Check

2. In classical conditioning, what becomes the conditioned stimulus? *
   - ☐ The stimulus that naturally triggers a response
   - ☐ The stimulus that is repeatedly paired with another stimulus and later triggers a response
   - ☐ The learned response after conditioning
   - ☐ The behavior that follows reinforcement

3. Which type of memory stores information for a short period of time, usually seconds to minutes? *
   - ☐ Long-term memory
   - ☐ Short-term memory
   - ☐ Episodic memory
   - ☐ Sensory memory

4. Which of the following is an example of long-term memory? *
   - ☐ Remembering a phone number just long enough to dial it
   - ☐ Remembering what you ate for breakfast today
   - ☐ Remembering the name of your elementary school
   - ☐ Remembering a word you just heard a second ago

5. What best describes confirmation bias? *
   - ☐ Judging the likelihood of events based on recent examples

☐ Remembering information more accurately over time
☐ Seeking and interpreting information that confirms existing beliefs
☐ Changing beliefs when new evidence appears

6. Which situation is an example of confirmation bias? *
☐ A person changes their opinion after reading opposing evidence
☐ A person only reads news articles that support their existing views
☐ A person forgets information over time
☐ A person learns through trial and error

Section 3: Perceived Learning Effectiveness

Scale for the following questions: Likert-Scale (1 = Strongly disagree, 2 = Disagree, 3 = Neutral, 4 = Agree, 5 = Strongly agree)

7. The avatar helped me understand the psychology concepts clearly. *
8. The explanations were easy to follow. *
9. I feel more confident about the topic after interacting with the avatar. *
10. The learning session was effective for my learning needs. *
11. I would like to use a similar AI avatar for learning in the future. *

Section 4: Perceived Empathy & Support

Scale for the following questions: Likert-Scale (1 = Strongly disagree, 2 = Disagree, 3 = Neutral, 4 = Agree, 5 = Strongly agree)

12. The avatar seemed to understand my needs as a learner. *
13. The avatar's responses felt supportive. *
14. I felt encouraged while interacting with the avatar. *
15. The avatar responded in a way that felt human-like. *
16. The avatar made the learning experience feel more comfortable. *

Section 5: Trust & Interaction Quality

17. I trusted the information provided by the avatar. *
18. The avatar's communication style felt appropriate for learning. *
19. I felt engaged during the interaction. *
20. The avatar's tone influenced my motivation to continue learning. *

Section 6: Comparison to Traditional Learning

21. Compared to traditional learning (e.g., textbooks or lectures), this avatar-based learning felt:
☐ Much worse
☐ Worse

☐ About the same
☐ Better
☐ Much better

22. What did the avatar do better than traditional learning?
    short answer text

Section 7: Open-Ended Reflection
Please type "NA" if you don't have a specific response.

23. What did you like most about the avatar interaction? *
24. What did you find confusing, unhelpful, or missing? *
25. Did the avatar feel empathic to you? Why or why not? *

Section 8: Final Evaluation

26. How would you describe the avatar's communication style? *
    ☐ Very cold
    ☐ Somewhat cold
    ☐ Neutral
    ☐ Somewhat warm
    ☐ Very warm