

IEC of College of Furniture and Industrial Design

Nanjing Forestry University

Statement of Ethical Review of Research Projects

NO. 2026028

Project Title		An Eye-Tracking-Driven Evaluation Framework for Age-Friendly Smart Home Interfaces	
Affiliation		College of Furniture and Industrial Design	Supervisor Yushu Chen
Brief Description		This study investigates the visual attention and cognitive load of older adults when using smart home mobile interfaces. The study plans to recruit 35 older volunteers aged 60–80, with normal or corrected vision, basic smartphone experience, and Mini-Mental State Examination (MMSE) scores of 24 or above. Each participant will complete three classes of typical smart home operation tasks (visual identification, control operation, and use of alternative-channel entries) while a Tobii Pro Fusion remote eye tracker records gaze position and pupil change in a standardized laboratory. The study does not involve any medical intervention, biological specimen collection, drug use, or sensitive personal information. Eye-tracking data will be anonymized immediately after collection. The findings inform the design of age-friendly smart home interfaces and will be used for academic publication only.	
Sample Size		35 older adults (planned, aged 60–80)	Project Duration Within 2 months after IEC approval
Contact names / phone number		Yushu Chen Email: cys@njfu.edu.cn Phone: +86 13813807277	
Project Information	Funding source: ☐ Corporation ☐ Government ☐ Academic Group ☐ This unit ☒ Self-finance Research involving human biospecimens: ☐ Yes (☐ Newly collected biological specimens ☐ Previously preserved biological specimens) ☒ No Research involves over-the-counter drug use: ☐ Yes (Please provide the Pharmacy Management and Pharmacotherapeutics Committee's endorsement) ☒ No Research involving stem cell clinical studies: ☐ Yes ☒ No		
Project Material	☒ Participant Information Sheet/s ☒ Informed Consent/s ☒ Project design document/s ☐ Recruitment Advertisement ☐ Questionnaire/Survey ☐ Interview	Recruitment Process	Recruitment method: ☐ Advertisement ☒ Personal contact ☐ Database ☐ Intermediary ☐ Other Participant Characteristics: ☒ Healthy ☐ Patient ☐ Vulnerable ☐ Gravida

I confirm that there is no conflict of interest between me and the research project, that the information involved in the research application has been reviewed by me, and that I guarantee that all the information in the course of the implementation of the research is true and accurate, and that it complies with the requirements of the scientific research project as well as the relevant national laws and regulations.

Supervisor Signature / Date

Chen Yushu. Dec. 15, 2025

Review comments of
competent department

After deliberation by the institutional review committee of our college, the experimental design and scheme of this study are scientific, reasonable, fair and impartial, and will not cause harm and risk to participants. The recruitment of participants is based on the principle of voluntary and informed consent, and the rights and privacy of participants are protected. There is no conflict of interest, violation of ethics and legal prohibition in the research content.

Conclusion: The institutional review committee agreed that the work of the project was carried out as planned

