

# A study about attention

You are being invited to participate in a research study titled A multi-sensory intervention to nudge towards focus. This research is conducted as part of the MSc graduation project at Industrial Design Engineering at TU Delft. This study is being done by Zhengyang Liu (Jerry) and supervised by Professor Evangelos Niforatos.

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The purpose of this research study is to understand effective nudging for improved attention in work with physiological activity sensing, and will take you approximately 30 minutes to complete. The data will be used for training and testing an attention-sensing (deep learning) algorithm with millimetre-wave radar. We will be asking you to complete a general task on desk and provide feedback on your perceived attention level and emotions.

## Informed consent participant

I participate in this research voluntarily.

I acknowledge that I received sufficient information and explanation about the research and that all my questions have been answered satisfactorily. I was given sufficient time to consent my participation. I can ask questions for further clarification at any moment during the research. **I can also withdraw at any time without any reason**, particularly when I feel insecure, anxious or stressed caused by the test setup.

I am aware that this research consists of the following activities:

1. In-person interview
2. Task completion on desk
3. Observation with audio transcribing

I understand that taking part in the study involves the following risks:

1. Electrical failure
2. Not CE certified product prototypes,
3. Stress or other mental discomfort

I understand that these will be mitigated by a. not touching any conductive devices, b. well insulated prototypes, c. controlled low power with DC power supply only.

I understand that taking part in the study also involves collecting specific personally identifiable information (PII) Informed consent form and associated personally identifiable research data (PIRD) including audio-transcribed dialog, cardiac activity health data with the potential risk of my identity being revealed public, which are considered as sensitive data within GDPR legislation.

I understand that the following steps will be taken to minimise the threat of a data breach, and protect my identity in the event of such a breach: anonymous data collection, detached storage of PII and PIRD, transcription, limited local access, storage in TU Delft project space.

I understand that the personal data I provide will be destroyed one month after the termination of study scheduled in August 2025.

☐ I agree that my responses, views or other input can be quoted anonymously in research outputs

I will receive a copy of this consent form.

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Date (dd/mm/yyyy)

\_\_\_\_\_

Full name & signature