Informed Consent of Study Participation

You are invited to participate in the field study "Domain-Specific Effectiveness of Structured Assistance for Prompt Revision in LLM-Assisted Tasks". The study is conducted by Md Abul Mokarrom, M Onirban, Mohammad Shamim Haider Rafi, Md Abdullah Al Hasan, and Anurag Datta and supervised by Prof. Dr. Valentin Schwind from the Frankfurt University of Applied Sciences. The study with estimated 30 participants takes place in the period from 2025-08-12 to 2025-08-18. Please note:

- Your participation is entirely voluntary and can be discontinued or withdrawn at any time
- One session of the field study will last ca. 60 minutes
- As compensation for your participation, you will receive one credit point for the lecture
- For the evaluation, we collect some of personal information (e.g., age, gender, etc.), whereas contact data (e.g. e-mails) will only be used for feedback or further information about the study and not be passed on to any third parties
- During the session, we will log your input and manually record notes
- Recordings and personal data are treated with confidentiality and and will fully anonymized stored, evaluated, and potentially published so that no conclusions can be drawn about individual persons anymore

The alternative to participation in this study is to choose not to participate. If you have any questions, concerns, or complaints about the informed consent process of this research study or your rights as a human research subject, please contact Prof. Dr. Valentin Schwind. Please read the following information carefully and take the time you need.

1. Purpose and Goal of this Research

To investigate the effectiveness of the different structured assistance conditions for prompt revision in specific LLM-assisted task domains. To identify which assistance approach most effectively support participants in creating more effective higher-quality prompts Your participation will help us achieve this research goal. The results of this research may be presented at scientific or professional meetings or published in scientific proceedings and journals.

2. Study Participation

Your participation in this field study is entirely voluntary and can be discontinued or withdrawn at any time. You can refuse to answer any questions or continue with the study at any time if you feel uncomfortable in any way. You can discontinue or withdraw your participation at any time without giving a reason. However, we reserve the right to exclude you from the study (e.g., with invalid trials or if continuing the study could have a negative impact on your well-being or the equipment).You will also receive the compensation offered if you discontinue study participation. Repeated participation in the study is not permitted.

3. Study Procedure

After confirming this informed consent the procedure is as follows:

1. Participants will first complete a brief demographic questionnaire. They will then perform three prompt construction tasks covering creative writing, data analysis, and educational content generation in a randomized order. For each task, participants will be assigned one of four assistance conditions randomly: Template based, Example based, Feedback based or Control based. Participants will create prompts for ChatGPT in accordance with the task description and the assistance provided. Such as, in the Feedback-Based condition, participants will receive suggestions to improve their initial prompt before finalizing it. After each task, participants will complete a short reflection questionnaire evaluating their experience and the effectiveness of the assistance.

The confirmation of participation in this study can be obtained directly from the researchers.

4. Risks and Benefits

In the field study you will not be exposed to any immediate risk or danger. Discomfort or inconvenience are not likely to happen. If any discomforts become a problem for you, you should discontinue your participation immediately. If you are getting injured as a result of participating in the study, seek medical help if possible immediately and contact the principal investigator. Enrolled students are automatically insured against the consequences of accidents through statutory accident insurance and with private liability insurance in case of any damages at the Frankfurt University of Applied Sciences. As with all computer systems on which data is processed, despite security measures, there is a small risk of data leakage and the loss of confidential or personal information. As compensation for your participation, you will receive one credit point for the lecture. With your participation you support our research work and contribute to a better understanding of human-computer interaction.

5. Data Protection and Confidentiality

In this study, personal and personal data are collected for our research. The use of personal or subject-related information is governed by the European Union (EU) General Data Protection Regulation (GDPR) and will be treated in accordance with the GDPR. This means that you can view, correct, restrict processing, and delete the data collected in this study. Only with your agreement, we will log your input and manually record notes in the study. We plan to publish the results of this and other research studies in academic articles or other media. Your data will not be retained for more than 2 years by the researchers or until you contact the researchers to have your data destroyed or deleted. Access to the raw data, transcribed interviews, and observation protocols of the study is encrypted, password-protected and only accessible to the authors, colleagues and researchers collaborating on this research. Other members and administrators of our institution do not have access to your data. When publishing, the data will be fully anonymized and published in aggregated form, so that no conclusions can be drawn about individual persons anymore. Any interview content or direct quotations from the interview, that are made available through academic publications or other academic outlets will also be fully anonymized. Contact details (e.g. e-mails) will not be passed on to third parties, but may be used by the researchers to contact participants, trace infection chains, or to send you further details of the study. According to the GDPR, the researchers will inform the participants using their contact details if a confidential data breach has been detected.

6. Identification of Investigators

If you have any questions or concerns about the research, please feel free to contact:

Researchers
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7. Informed Consent and Agreement

This consent form will be retained securely and in compliance with the GDPR for no longer than necessary.

- ☐ I understand the explanation of the field study provided to me and I voluntarily agree to participate in this user study. I have had all my questions answered to my satisfaction and I am aware of risks and benefits. I understand that this declaration of consent is revocable at any time. I can obtain a copy of this consent form upon request.
- ☐ I agree that the researchers will log your input and manually record notes during the field study. I understand that all data will be treated confidentially and in compliance with the GDPR. I understand that the material will be anonymized and cannot be directly associated with my name. I understand that full anonymity cannot be guaranteed and a breach of confidentiality is always possible. From the consent of publication, I cannot derive any rights (such as any explicit acknowledgment, financial benefit, or co-authorship).

_____
Location, Date

_____ _____
Printed Name of Subject Signature of Subject