Introduction Script

Dynamic Noise and Pollution Campus Map Evaluation

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Introduction

The general aim of this experiment is to evaluate the usability and applicability of the route generation software that was produced as a part of the project. The involvement of other people is a necessity due to the fact that potential users of the application are an invaluable source of feedback when determining the product's performance.

The experiment will involve walking around campus and making route choices based on the feedback received from the mobile application. There will be 3 destinations that you would need to choose and go to. You will also be asked to produce custom visualizations via the system's GUI. Tasks in this category will involve using the visualizations the UI enables you to generate in order to determine the lowest and highest values for noise and air pollution on campus and also understand how the locations change for each variable respectively (noise, CO, NO2), are there correlations, as well as try to find out how accurate the map is in different areas. You will also be testing the route recommendation functionality, choosing a destination on campus and walking there. While you are walking you will be carrying a sensor and collecting environmental information using the software product.

While the experiment is being carried out, some data will be collected. This will include:

- Participant's status: student/ not a student
- Mobile device possession: positive/ negative
- Time taken completion of each task
- Total evaluation duration
- Destination choices
- Route Choices
- Suggestions for improvement

During the course of the experiment, I will be walking next to you in case you have any questions. It is important to note that this experiment does not test your ability and/ or performance, it has been designed with the sole purpose of software evaluation.

You are welcome to withdraw from this evaluation session at any time.

If you have any questions prior to the start of the experiment please ask. If you agree to taking part in this evaluation session, please sign the consent sheet.

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