**Consent Form for Participation in Research**

This task is part of a research study conducted by Roykrong Sukkerd at Carnegie Mellon University and is funded by The Office of Naval Research (ONR) and the National Security Agency (NSA).

**Summary**

This is a set of cognitive tests designed to assess people’s understanding of behavior and rationale behind the behavior of AI agent. These tests present scenarios of a mobile robot navigation problem. Participants will be asked questions regarding how they perceive the robot making decisions. These questions involve basic mathematical reasoning, such as addition and multiplication.

**Purpose**

The purpose of the research is to examine ways to improve transparency and understandability of automated planning in AI agents. This research aims to design and evaluate a mechanism that enables AI agents, that perform tasks in humans’ everyday lives, to effectively communicate to the human users the intent and rationale behind the behavior of these AI agents. Such communication is to allow the human users to have calibrated trust in the AI systems.

**Procedures**

Participants are expected to answer a set of questions involving scenarios of a mobile robot navigation problem. The questions are designed to assess the participants’ understanding of the robot’s behavior and its rationale. The expected duration of participation in the study is between 15 to 20 minutes.

**Participant Requirements**

Participation in this study is limited to individuals age 18 and older, who are proficient in English.

**Risks**

The risks and discomfort associated with participation in this study are no greater than those ordinarily encountered in daily life or during other online activities.

**Benefits**

There may be no personal benefit from your participation in the study, but the knowledge received may be of value to humanity.

**Compensation & Costs**

Participant will receive $5 for participation in this study. There will be no cost to you if you participate in this study.

**Future Use of Information**

In the future, once we have removed all identifiable information from your data, we may use the data for our future research studies, or we may distribute the data to other researchers for their research studies. We would do this without getting additional informed consent from you (or your legally authorized representative). Sharing of data with other researchers will only be done in such a manner that you will not be identified.

**Confidentiality**

The data captured for the research does not include any personally identifiable information about you. Your IP address will not be captured.

The sponsors of this study, the Office of Naval Research (ONR) and the National Security Agency (NSA) may have access to research records.

**Right to Ask Questions & Contact Information**

If you have any questions about this study, you should feel free to ask them by contacting the Principal Investigator, Roykrong Sukkerd, now at:

Institute for Software Research

5000 Forbes Avenue,

Wean Hall 5216,

Pittsburgh, PA 15213

(412) 268-8383

[rsukkerd@andrew.cmu.edu](mailto:rsukkerd@andrew.cmu.edu)

If you have questions later, desire additional information, or wish to withdraw your participation please contact the Principal Investigator by mail, phone or e-mail in accordance with the contact information listed above.

If you have questions pertaining to your rights as a research participant; or to report concerns to this study, you should contact the Office of Research integrity and Compliance at Carnegie Mellon University. Email: [irb-review@andrew.cmu.edu](mailto:irb-review@andrew.cmu.edu) . Phone: 412-268-1901 or 412-268-5460.

**Voluntary Participation**

Your participation in this research is voluntary. You may discontinue participation at any time during the research activity. You may print a copy of this consent form for your records.

I am age 18 or older.  Yes  No

I have read and understand the information above.  Yes  No

I want to participate in this research and continue with the activity.  Yes  No