IRGF Final Report

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Canada Privacy Label for IoT Devices: Designing Transparency for Digital Trust

1.1 Project Summary

In this project, we developed the first Canadian Privacy and Security Label for IoT devices, similar to nutrition labels, to communicate privacy and security risks in a user-friendly way. We also surveyed 122 Canadians to evaluate the label's effectiveness, preferences, and appeal. We also designed an app to automatically generate the label. The app also enhances user engagement and raises awareness about IoT privacy and security concerns.

1.2 Student involvement

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1.3 Dissemination and Knowledge Mobilization

The project was presented during the MRU research day. Also was presented at 17th International Symposium, FPS 2024, in Montréal, and published in the respective proceedings by Springer. https://link.springer.com/chapter/10.1007/978-3-031-87499-4_20

1.4 Project Outcomes and Impacts

1. Trained 3 students directly 2. Published in Springer 3. Presented at FPS 2024 conference 4. Presented at MRU's research week 5. Implemented an app that helps users assess the privacy level of IoT devices. 6. Developed a standardized privacy label for users that can be applied nationwide in Canada. 7. Mentored and supported a student to attend and present at a conference, providing her with a valuable professional and research experience. 8. The project was an international (through the MITACS GRI program) and interdisciplinary (one of the students was from the Information Design program) collaboration