

Consent Form

Project Title: An Investigation into the Use of IoTs to Automate the Operation of the NSWMA.

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The information provided on this form and the accompanying cover letter is presented to you to fulfill legal and ethical requirements for research studies at the University of Technology, Jamaica (Utech).

The purpose of this form is to allow you to participate in the study, and to allow the researchers to use the information obtained from the actual study, to analyze the outcomes of the study.

The aim of this study is to explore how IoT can optimize garbage collection processes, reduce operational inefficiencies caused by traditional filing systems, and ultimately improve the overall waste management operations of NSWMA.

The potential benefits are to leverage IoT technology, including smart bins and sensors, enabling NSWMA to optimize collection routes through real-time monitoring of the storage levels of the bins. This strategy reduces unnecessary trips and fuel consumption, thereby fostering environmentally friendly and cost-effective operations.

All data will be gathered during the months of February to April.

1. Participation is voluntary. Refusal to participate or withdrawal from the study will present no penalty to the participant.

2. There is no risk to persons who participate in this study and confidentiality will be protected by not using the participant's identity. Code numbers will be used when analyzing the questionnaire. Your comments will be entered on a computer as views expressed without any identifying information.
3. Participants may ask the researcher any questions about this study at their convenience, either by phone or via email or in person. Participants may also contact the School of Graduate Studies, Research and Entrepreneurship, Academic Affairs Building, extension 3137, with questions about their rights as a research participant.
4. Your signature on this consent form shows that you have been informed about the conditions, and safeguards of this project.

<u>A. Reid</u>	<u>02/23/2024</u>
Signature of Researcher	Date
<u>S. Anderson</u>	<u>02/23/2024</u>
Signature of Researcher	Date
<u>A. Peck</u>	<u>02/23/2024</u>
Signature of Researcher	Date
<u>K Christie</u>	<u>02/23/2024</u>
Signature of Researcher	Date
<u>T. Parkinson</u>	<u>02/23/2024</u>
Signature of Researcher	Date

I have read the information provided and agree to participate in this study.

Signature of Participant

Date