SoluTek Feasibility Report

# Introduction

The Jes Foord Foundation has requested us, SoluTek (WIL Group 6), to create a software solution to capture, organise and prepare the census data of the demographics of the locations they visit, moving this from its existing, paper-based system to a digital format.

The concept of the application is to offer a medium that will allow the management of volunteers to have increased efficiency and provide information to the Centre about their volunteers for the purposes of assigning tasks to volunteers that may be pending to receive a task, as well as providing statistics for the number of volunteers that they have

# Operational Feasibility

The operational feasibility attempts to answer the questions pertaining the ability to accomplish the task based on the available human resources, while also providing an analysis the intended organisation’s ability to support the system in planning.

**Does the System Solve existing issues within the organisation?**

* As the system being implemented is intended to replace an existing system, it instead contributes towards the concept of convenience while maintaining a familiar data capturing system.
* The capture of the census data will be securely stored in a cloud-based storage, which can be managed from a desktop system and prepared for external audits.

**Can the proposed system provide any advantages?**

* Due to the nature of developing this system with the intent of using cloud-based storage, this will allow for all the data captured to remain consistent across all devices used and limits the physical resources that would generally be required using the original paper-based system.
* It is currently estimated that

**Does the management of the organisation support the system?**

* The system in question was put forward by the management of the Jes Foord Foundation and discussed in great detail.

**Will this system alter the current work environment of the involved employees?**

* As the system in question is a digital medium of an existing system, the development surrounding the system aims to ensure that the transition will not alter the work environment too much of an abrupt change by requiring more use of computers to complete their tasks.

# Technical Feasibility

Each member of the development team for SoluTek possess at least two years of software development experience, developing applications primarily in the languages of Java and C# for that duration, and at least one year of Android Development experience, therefore the members of the development team do have the knowledge and experience necessary to accomplish the development of this application. However, should an aspect of the application’s development require more experience, resources are available for access from relevant development guides found online and lecturers are also available for consultation concerning software and cloud application development.

A high concern for the application’s development is the accessible technology to the Jes Foord Foundation, should this situation present itself, it would allow us to optimally alter the scalability of the application’s communication capabilities for its functions.