**1. Introduction**

**1.1 Purpose of Document**

The purpose of this document is to specify the software requirements for the AkiProPlus System. In addition it provides the design specifications that are to be used when designing the new application to fulfil all the necessary requirements. These requirements specification are written in a clear and precise form making them easy for the non-technical personnel to read, understand and thus follow. On the meantime the specifications are created in technical terms for the designers. This document is to act an input to the technical development of the software.

The intended audience of the documents is:

1. Users, user representative and any other interested person
2. Technical developers
3. All persons in management responsible for the development of the software.

**1.2 Scope of the document**

This requirements document describes the overall requirements and specifications of the system.. The document is divided into several parts, each represents the different type of requirements represented. The user requirements are based on the requirements specified by the user. The system requirements and requirement specification( use cases) are used to describe how the user requirements will be achieved. The other parts of the document include the Data Flow Diagrams, Entity Relation Diagrams, Activity Diagrams, Sequence diagrams, resource Diagrams and User Interface Diagrams. These diagrams are mainly geared to the designers.

**1.3 Definition and Abbreviations**

Definitions:

***Please see Glossary.***

Abbreviations:

ERD- Entity Relation Diagram

DFD- Data Flow Diagram

GUI\_ Graphical User Interface

SSL- Secure Socket Layer

VPN- Vitrual Private Network

**1.4 Overview**

This document focuses primarily on the requirements and the specification of the developing application. It is divided into several main sections each portraying a different aspect needed for the development of the software. The documents includes:

1. User Requirements: These are English-written statements that specify the requirements the user expects from software to be constructed in a software project. These are sub divided into functional and no functional requirements.
2. System requirements. These are English-written specify how the system is to implement the user requirements achieved. These are also divided into functional and no functional requirements.
3. Requirement specification (Use case): These describe the user requirements in a more technical detail to act as an input to the designers.
4. Data Flow Diagram: This represent the flow of data throughout the system. They provide an overview of each module.
5. Entity Relation diagram: These describe the different aspect of the databases stored in the system. They give an overview of the relationship between the different files.
6. Activity diagram: These outline the activities needed to perform any task in the system.
7. Resource Diagrams; these show the different actions that can be carried out on a resource.
8. User Interface Diagrams: these give an outline how the user interface of the application will be designed.