# CHAPTER 3: REQUIREMENTS ANALYSIS

## Introduction

This chapter entails an analysis of the resources – software, hardware and others – that are needed for the proposed system to function or work properly. It also provides a brief summary of the existent system.

## Current System

Here you’re showing an understanding of the existing system before you start proposing your own or an update of what is there.

### Context Level Diagram

### Process Flow Diagram

### Use-case

## Feasibility Study

A feasibility study is an analysis of the practicality and viability of a proposed solution while emphasising on the potential hurdles that can be met. This section looks to critique the applicability of the proposed system with respect to various aspects such as profitability, technicality and whether it is economic.

### Technical Feasibility

#### Hardware Requirements

The following are the hardware required for the project to run:

A development PC with these minimum requirements: a Windows 10 Operating System with 4GB installed RAM and a Dual Core Processor with a processing speed of 2.0GHz and 60GB of disk space.

Economic Feasibility

Requirements Analysis

### Functional Requirements

### 3.3.1.1 Context Level DFD

### 3.2.1.2 DFD Level 1

### 3.2.1.3 DFD Level 2 (Optional)

### 3.2.1.4 Use-case

### 3.2.2 Non-functional Requirements

### 3.2.2.1 Performance

### 3.2.2.2 Usability

### 3.2.2.3 Security

### 3.3 Interface Requirements

### 3.4 Technical Requirements

### 3.5 Assumptions

### 3.6 Conclusion