**Estimating Cost of Constructing Sustainable Housing in Kenya.**

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An Information Systems Project Proposal Submitted to the Faculty of Information Technology in partial fulfillment of the requirements for the award of the Bachelor’s Degree of Business Information Technology

Research Methodology

**Strathmore University**

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# Declaration and Approval

We hereby declare that, to the best of our knowledge, this project has not been submitted to any other University for the award of a Bachelor’s Degree.

\*\*\*Delete this comment after correcting\*\*\*This page should be numbered as roman number ii and not i. The title page should however stay as it is with no page number on it.

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# Abstract

# Table of Contents

# List of Tables (if any)

# List of Figures (if any)

# Chapter 1: Introduction

## 1.1 Background

*[Should be more than three paragraphs. Include citations]*

This document must be prepared in Times New roman size 12. Line spacing is 1.5. All paragraph text must be justified (Google “how to justify text word”). All figures must contain caption as indicated on Figure 1. The figure caption should be left aligned and must appear at the bottom of the figure. For the case of tables, the captions must appear at the top as indicated on Table 1.



Figure 1: The Channel of servers

\*\*Figure and table captions should be in times new roman size 12. They should be numbered based on chapter number.

Table 1: Phone Companies

|  |  |
| --- | --- |
| **Phone** | **Firm** |
| Ascend | Huawei |
| Blackberry | RIM |
| Galaxy | Samsung |
| Lumia | Nokia |

## 1.2 Challenge Definition

*[Your first paragraph must introduce then just state the problem as it is: if there is need, then you can have another one or two paragraphs to explain the problem]*

## 1.3 Aim / General Objective {Use one of these two alternatives}

*[This is basically your aim. Explained in one paragraph]*

The aim must be written in paragraph format. It is also called the purpose of the project.

## 1.4 Specific Objectives

*[These are those things that you will have to do to be able to develop the system that you intend to develop. E.g. to investigate the challenges facing those that will use the system; To Design the proposed system; etc]*

1. To ...

## 1.5 Justification

*[This is the importance of the project / the value that it will add.]*

## 1.6 Scope and Limitation

*[The extent to which you will develop the application]*

# Chapter 2: Literature Review

## 2.1 Introduction [can be necessary]

## Related areas accessed or read

*[You might have some subtitles here depending on the items that you are refereeing to at the initial thinking stage. You can have 3 to 6 subtopics: this could constitute about 2 to 4 pages: Note: The words* ***Related areas Accessed or read*** *is not a topic but rather your subtopics from this section]*

The reduction in data storage costs has precipitated the storage of data comparatively intensive than ever before in measurable aspects. Moreover, the past decade has revolutionized the way companies conduct business. Packaged applications from SAP, PeopleSoft, Oracle and the others have been embraced as a means of improving operational efficiency. The emphasis has been on automation process and not on leveraging information (Liautaud & Hammond, 2001).

Liu and Meng (2006) propose a technique for web database integration and highlight a number of challenges. With the rapid development of Web, more and more accessible databases are available in the Web. Such databases are usually called Web database (or WDB in short) by researchers.

# Chapter 3: Methodology

## 3.1. Introduction

## The methodology that you will use

*Explain what it is*

*Why you chose it (advantages)*

*How you will use the methodology*

## 3.2. System Development Methodology (Replace this heading “System Development Methodology” with the name of the methodology that you will use)

## Explain each Phase/stage of the methodology e.g. The following is just an example:

## 3.2.1 Requirements

Insert a table that describes the Stakeholders, their categories (if possible) and their role (*Why each stakeholder is necessary).* This can be a properly done stakeholder mapping.

## 3.2.2 Analysis

*What will you do under Analysis? Why? How?*

*Which are the tools that you will use?*

*[For each of the tools]*

*Explain why you chose the tools*

*Explain how you will use them*

## 3.2.3 Design

*What will you do under design?*

*Which are the tools that you will use?*

*[For each of the tools]*

*Explain why you chose the tools*

*Explain how you will use them*

## 3.2.4 Implementation

*Implementation environment*

*Explain the tools that you will use during implementation. For instance, programming language, the databases to use, all other resources.*

*[For each of the tools]*

*Explain why you chose the tools*

*Explain how you will use them*

### e.g. 3.8.1. Database development tools

### 3.8.2. Programming tools

### 3.3. Project Milestones/ Schedule

[Here you are expected to describe and attach a graph (Gantt Chart) from either MS. Visio or MS Project etc.] – This could be the plan of work that you have for your team.

### 3.4. Impact Assessment

How would you conduct an impact assessment?

# Chapter 4: Empathy, Problem Definition and Ideation

## 4.1. Empathy

Use the various data collection methods to collect data regarding your challenge. The generic and easily accessible method is usually Document review, but there are many other direct (primary data) methods that you can use to get data including interviews, observation, questionnaires etc. Summarize your findings (data collected) in this section. Present/summarize the data per (based on) each stakeholder. Also remember to clearly describe how the data was collected.

## 4.2. Problem Definition

Clearly Define the problem (s) based on your findings at the Empathy stage.

## 4.2. Ideation

Using a table format, list various ideas of how to address the problem. For each idea, state why it is recommended. Rank the ideas based on the ability to address the problem(s)

# References

*[Please use APA referencing style. In case you use a tool to generate it e.g. Ms Word ensure that you check that each reference has been created correctly.]*

Liautaud, B., & Hammond, M. (2001). *e-Business Intelligence*, New York: Mc-Graw Hill.

Liu, W., & Meng, X. (2006). *Web Database Integration*, Seoul: Proceedings of the VLDB2006 Ph.D. Workshop, 2006.

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# Appendices

*[They are numbered as Appendix A, Appendix B e.t.c.]*