

Preliminary pages

- ❖ Blank page
- ❖ Cover page
- ❖ Declaration
- ❖ Acknowledgement
- ❖ Dedication
- ❖ Abstract
- ❖ Table of contents
- ❖ List of figures
- ❖ List of Tables
- ❖ Definition of key terms

Chapter 1: -Introduction

- ❖ Motivation & background - 1 and half page (at least)
- ❖ Background of research
- ❖ Problem statement
- ❖ Aim of research
- ❖ Objectives of the research
- ❖ Justification of research
- ❖ Scope of research
- ❖ Research organization

Chapter 2: Research Methodology

- ❖ Chapter introduction
- ❖ Methodology for literature review
- ❖ Methodology for requirement specification, data collection and analysis techniques e.g. Interviews, questionnaires.
- ❖ Methodology for system Analysis (current system); DFD, Context diagram, flow charts

- ❖ Methodology for System Design (proposed system); Database design, DFD, Context diagram, flow charts, sequence diagram, collaboration diagrams, use case, pseudocodes e.t.c, Early System prototypes (I/O design)
- ❖ Methodology for System implementation; back end, front end and database technologies to be used
- ❖ Methodology for system testing; testing plan, testing techniques
- ❖ Methodology for System Deployment
- ❖ Chapter Summary

Chapter 3: Review of related work

- ❖ Chapter introduction
- ❖ History of the research topic
- ❖ Review of related prototypes, systems [from global to local]
- ❖ Emerging trends and patterns in the research area
- ❖ Research gap to be filled by your research
- ❖ Chapter summary

Chapter 4: System Analysis

- ❖ Chapter introduction
- ❖ Description of the current systems, its strengths and weakness
- ❖ Feasibility study & its conclusion
- ❖ data I/O analysis -Data captured by the current system, relationship between the data, outputs from the system
- ❖ Process logic design of the current system; flow charts, context diagrams & DFDS
- ❖ chapter summary

chapter 5-System Design of the proposed system

- ❖ introduction
- ❖ Description of the proposed systems, its strengths and weakness
- ❖ Requirement analysis (functional, nonfunctional, user, usability e.t.c).
- ❖ Conceptual architecture of the proposed system
- ❖ Process logic design of the proposes; use case, activity diagram, sequence and class diagrams, flow charts, context diagrams, DFDS
- ❖ Database Design: ER, Normalization and Data dictionary
- ❖ I/O of the proposed system (mock up screens)
- ❖ Chapter summary

Chapter 6: - Implementation System & Testing

- ❖ Chapter introduction
- ❖ System screenshots (at most 4)
- ❖ Testing plan
- ❖ evaluation plan
- ❖ Chapter summary

Chapter 7 Conclusions, findings & recommendations

- ❖ Introduction
- ❖ Conclusion
- ❖ Challenges Encountered.
- ❖ Future recommendations
- ❖ Conclusion

References/Bibliography

Appendix: e.g. Sample questionnaires, sample interviews, budget schedule, time schedule, sample code (at most 2 pages)

Additional information

- ❖ chapter one, two, three and references forms the research proposal
- ❖ all paragraphs should be justified, 1.5 spaced and done in times new roman
- ❖ all figures should be labelled and cited
- ❖ all tables should be well labelled
- ❖ each idea should be on specific paragraphs
- ❖ problem statement should be written in continuous Prowse and not bullets
- ❖ research justification should be anchored on existing researches and not assumptions
- ❖ research scope should specify target organization and features to be implemented by the proposed system
- ❖ Use the APA referencing style