



UGANDA TECHNOLOGY AND MANAGEMENT UNIVERSITY
UTAMU

[PROJECT TITLE]

Not more than 2 lines long

By

[YOUR NAME]

[TRACK E.g. INTERNET SYSTEMS]

DEPARTMENT OF [DEPARTMENT NAME]

SCHOOL OF TECHNOLOGY, COMPUTING AND ENGINEERING

A Project Proposal Submitted to the School of Computing

for the Study Leading to a Project in Partial Fulfillment of the

Requirements for the Award of the Degree of Bachelor of

[course Eg. Science in Computer Science]

at Uganda Technology And Management University

Supervisor

[Supervisor Name]

Department of [Department Name]

School of Technology, Computing and Engineering

Uganda Technology And Management University

[Supervisors Email Address], +256-41-540628, Fax: +256-41-540620 {note: numbers are standard

[Date]

How to use this Template:

1. *Change the information on the cover page to reflect your concept paper.*

2. *The rest of the proposal should adhere to: -*

- Body Text: Font – Times Roman 12
- Headings: Chapter (Times Roman 22), Chapter title e.g. Lit Review (Times Roman 18) Section e.g. 1.0 Introduction (Times Roman 16) References & Appendices (Times Roman 18)
- Indents & Numbering: Should be of format

E.g.:

Literature Review

2.1 Information Systems (Times Roman 16)

Introduction

You might need to introduce your work

1.1 Background

Give a background around your area, the stats, what is happening, case studies....

This provides the rationale of the study providing evidence and conditions of the existing situations to make the reader feel the urgency of the problem and the need to study in order to solve it or contribute to its solution.

- (i) Within the first sentence, try to capture the thrust of your research.
- (ii) Avoid circular reasoning.
- (iii) Make your introduction interesting in order to capture the interest of your audience.

1.2 Problem Statement

First sentence should state the problem

E.g. problem of inadequate information..... This leads to

Support this with other information and facts

E.g. there is a problem of..... this leads to inconsistency and redundancies

Requires careful formulation and refers to what has been identified and needs a solution in the practical world, theoretical world or both.

- (i) Should clearly state the nature of the problem and its known or estimated magnitude/extent locally, regionally or even globally.
- (ii) Should be concise and brief (not more than 1 paragraph)

Research questions

May come from specific objectives

E.g. how do tourists explore a country; how do they get info?

Help you understand the problem better.

E.g. what would happen if I did abcd...

1.3 Main Objective

Refers to the general intention of the project. Should clearly spell out what the project is supposed to accomplish.

1.4 Objectives

These are specific aims/objectives arising directly from the main objective of the study. For each specific objective one must have a method to attempt to achieve it. [clearly stated in methodology]. Specific objectives should advisably not exceed four in number.

Specific Objectives should be:

- (i) Clear, specific and concrete
- (ii) Realistic and achievable
- (iii) In order of importance
- (iv) Measurable

Develop ===== gathering requirements + design of a model + implementation of the model + a working system or prototype + testing and validation.

#3 Third objective should be implementing the model into a prototype

You cannot evaluate a system; we evaluate something theoretical.

You validate a system

1.5 Scope (where applicable)

The scope provides for the boundary of the research in terms of depth of investigation, content, sample size, methodology, geographical and functionality coverage.

[geographical.... what you are going to cover and y]

[context/design scope... The extent of the system and y]

1.6 Significance

This refers to the relevance of the project in terms of academic contributions and practical use that might be made of the findings. It should reflect on knowledge creation, technological and socio-economic value to the community. It should: -

- (i) Convince readers of the importance of the proposal
- (ii) Show how the project will contribute to theory or practice.
- (iii) Indicate whether the research is still important; whether such work has been done before.

Academia

Industry

Research area

Conclusion: Always conclude every chapter

Literature Review

5cs of literature review...Compare. Contrast, critique, connect and cite

2.1 XXXXXXXXXXXXX

This section consists of a critical review of research work from journals, internet sources and other projects already done which is related to the subject area as well as an analysis of existing literature on the subject with the objective of revealing contributions, weaknesses and gaps. Specifically: -

- (i) The literature review should be in accordance with the themes of the study and should reflect the problem, objectives and the methodology.
- (ii) Citations should be in accordance with the approved format. The source of the works cited should be documented by giving the author(s) surname(s) and data of publication.
- (iii) Every citation should appear in the reference list.

Methodology

Tells us the how?

Gather requirements... how do you gather requirements?

Will use both qualitative and quantitative methods to gather requirements.

Qualitative == critical review of literature

Quantitative = gathering data from the field using techniques

Analyse the information to get the actual requirements for the system

Design

All these begin with a story of how a system works

UML method... tell us what uml is

Workflow method

Use case centered design method

You might also consider activity and sequence diagrams

Component diagrams

Context diagram

Dfd

Implementation

The implementation languages

Testing and validation

3.1 xxxxxxxxxxxx

This is a detailed description of selected methodology i.e. step-by-step methods of how one intends to achieve the objectives of the study/research.

This section comprises of research/project design which describes the tools, instruments, approaches, processes and techniques, major algorithms and data structures to be employed in the research study, data collection, analysis, synthesis, design, logical flow, implementation, testing, validation etc.

References

This is a list of all works cited in the proposal and should be written according to the approved format. The approved format for BIST is APA referencing style. For more info on APA referencing style check the pdf file on the projects page.

Referencing Styles:

NOTE: The list of references should follow

One Author:

Brown (2002) recommends that information systems should be user friendly.....

The analysis is based on Mugabi (2005) in which four solutions are suggested.....

Two Authors:

According to Krich and Ponte (1998), diseases can be modeled using mathematical algorithms.

Brown and Green (2000) found that models improved health care provision

More than two Authors:

Brown *et al.* (2000) found that.....

Examples of References in the Reference List

Journal article, one author

1. Brown, A.M. (2002). Information Systems: A requirements analysis. *International Journal of Information Systems*, **21**: 213 – 225. ({Volume Number}:{Page Number Range})

Journal article, two authors

Appendices

This section comprises of a budget, time frame, explanatory notes (e.g. List of places to be visited, approval letters, maps etc.) and instruments to be used (e.g. Questionnaire, interview schedule etc.).