

TRIBHUVAN UNIVERSITY
INSTITUTE OF ENGINEERING
ADVANCED COLLEGE OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING
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A Major Project Proposal Report On //14 bold

<Project Title > //14 bold

<Project Code> //12

Submitted by-14 bold

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A project report submitted to the department of Electronics and Computer Engineering in the partial fulfilment of the requirements for degree of Bachelor of Engineering in Computer

Engineering
Lalitpur, Nepal

Supervised by:
Supervisor Name [with designation]

<date>

ACKNOWLEDGEMENTS

We take this opportunity to express my deepest and sincere gratitude to our supervisor <Supervisor's Name>, <Post>, <Department, Office or Institute> for his/her insightful advice, motivating suggestions, invaluable guidance, help and support in successful completion of this project and also for his/her constant encouragement and advice throughout our Bachelors programme.

We express our deep gratitude to <Other Name(s)>, <Post>, <Department, Office or Institute> for his/her/their regular support, co-operation, and co-ordination.

The in-time facilities provided by the department throughout the Bachelors program are also equally acknowledgeable.

We would like to convey our thanks to the teaching and non-teaching staff of the Department of Electronics & Communication and Computer Engineering, acem for their invaluable help and support throughout the period of Bachelor's Degree. We are also grateful to all our classmates for their help, encouragement and invaluable suggestions.

Finally, yet more importantly, I would like to express my deep appreciation to my grandmother, parents, sister and brother for their perpetual support and encouragement throughout the Bachelor's degree period.

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ABSTRACT

Abstract is compulsory. The heading **ABSTRACT**, in capital letters and bold should be centered between the left and right margins, without punctuating or underlining.

Limited to one page only

Keywords: 3-7 keywords based on the research should be kept in the page of abstract below the main text of the abstract leaving one blank line.

Table of content

Title	Page
Acknowledgements	i
Abstract	ii
Table of contents	iii
List of tables	iv
List of figures	v
Abbreviations/Acronyms	vi
Units and conversions	vii
CHAPTER 1	
INTRODUCTION	1
1.1. Background	2
1.1.1. Sub-section	3
1.1.2. Sub-section	4
1.2. Motivation	5
1.3. Statement of problems	6
1.4. Research objectives	7
1.5. Significance/Rationale of the study	8
CHAPTER 2	
LITERATURE REVIEW	9
2.1. Section	10
2.1.1. Sub-section	11
2.1.2. Sub-section	12
2.2. Section	13
2.2.1. Sub-section	14
2.2.2. Sub-section	15
CHAPTER 3	
REQUIREMENT ANALYSIS	26
3.1 Section	27
3.1.1 Sub-section	28
3.2 Section	29

CHAPTER 4	
SYSTEM DESIGN AND ARCHITECTURE	30
4.1 Section	31
4.1.1 Sub-section	32
4.1.2 Sub-section	33
4.2 Section	34
4.2.1 Sub-section	35
4.2.2 Sub-section	36
 CHAPTER 5	
METHODOLOGY	37
5.1 Section	38
5.1.1 Sub-section	39
Sub-section	40
5.2 Section	41
5.2.1 Sub-section	42
Sub-section	43
 CHAPTER 6	
RESULT AND ANALYSIS	44
 CHAPTER 7	
TIME SCHEDULE & TOTAL COST	45
 CHAPTER 8	
CONCLUSION , LIMITATIONS AND FUTURE ENHANCEMENTS	46
 REFERENCES	47

List of table

	Title	Page
Table 1.1	xxxxxxxxxxxxxxxxxxxx	11
Table 2.1	xxxxxxxxxxxxxxxxxxxx	15
Table 4.1	xxxxxxxxxxxxxxxxxxxx	22

List of figures

	Title	Page
Fig. 1.1	xxxxxxxxxxxxxxxxxxxx	22
Fig. 2.1	xxxxxxxxxxxxxxxxxxxx	29
Fig. 4.1	xxxxxxxxxxxxxxxxxxxx	22

List of appendix

Title	Page
Appendix 1. xxxxxxxxxxxxxxxxx	21
Appendix 2. xxxxxxxxxxxxxxxxx	26
Appendix 3. xxxxxxxxxxxxxxxxx	33
Appendix 4. xxxxxxxxxxxxxxxxx	

List of abbreviation/acronyms

CO ₂	Carbon dioxide
CPS	Center for Postgraduate Studies
Ha.	Hectare
m ³	Meter cube (Cubic meter) NEC
	Nepal Engineering College
PU	Pokhara University
Sq.ft	Square feet
UNDP	United Nations Development Programme

List of Units and conversions

m^3	Meter cube (Cubic meter)
Sq.ft	Square feet

CHAPTER 1

INTRODUCTION

This chapter should discuss the background of the research issues being dealt, statement of the problem, project objectives, significance of the study, and scope and limitation of the study.

Introduction must revolve around the central research issue.

1.1 Background

Brief background of the issues should be discussed under the background section. It should be done in the form of brief literature review of related literatures, which is essential to build statement of the problem, research question, and research objectives in the later part of INTRODUCTION chapter.

1.2 Motivation

Explain about the motivating factor that inspired you to carry out this project

1.3 Statement of the problem

This section must indicate what the problem is, why and how it is a problem. Similarly, necessity to conduct the research should also be discussed. It should be supported by data or evidences. This section should be well connected with background section and as brief as possible.

1.4 Project objectives

This section should clearly mention what you want to achieve from the research. Usually objective is presented as general objective and specific objectives. The general objective of research should be only one and should be in line with the title. To meet the general objective, several specific objectives could be set. Specific objectives should be in line with research questions and are more or less equal in numbers of research questions.

1.5 Significance of the study

The importance of the proposal research should be stated in this section, in terms of potential beneficiaries & the way they will be benefitted. The section should focus on justifying the topic of the proposed research.

CHAPTER 2

LITERATURE REVIEW

Literature review is basically a survey of published materials on the topic of the interest authored by accredited scholars and researchers. It is quite important to uncover what is already known in the body of knowledge prior to initiating any research (Hart, 1998). Hence, it is a crucial endeavor for any academic research in theoretical and conceptual progress (Shaw, 1995 and, Webster and Watson, 2002). Thus, it helps to situate your research in the context of what is already known about the topic and find the gap that your research will bridge.

CHAPTER 3

REQUIREMENT ANALYSIS

This chapter includes about projects requirements (hardware and software requirement), Functional and non- functional requirements of the project and feasibility study of your project.

CHAPTER 4

SYSTEM DESIGN AND ARCHITECTURE

This chapter includes the discussion about the way you conducted your project in order to meet the objectives. The System design and Architecture should be summarized in the form of block diagram /flowchart. Selected methodology should be discussed in details along with the justification of selecting the methodology. It should include project design (DFD Diagrams, Usecase Diagrams, ER Diagrams etc...),

CHAPTER 5

METHODOLOGY

This chapter includes the discussion about the way you conducted your project in order to meet the objectives. It may contain the same thing (blocks or units) that have been explained in chapter 5. But the explanation should be in detail in a particular sequence in which you have done your work along with detail algorithms, procedures, circuit diagrams or others which illustrate the “how” part in detail.

Example:

Preprocessing block --- write down what and how it does along with different algorithms or diagrams that you have designed or used.

In few of the projects the chapter 4 and 5 may be combined together into “System (or Project) Design and Methodology”

RESULTS AND ANALYSIS

CHAPTER 6

This chapter includes the results/output obtained from your project and its analysis and discussions.

CHAPTER 7

TIME SCHEDULE AND COST

This chapter includes about the estimated schedule and cost of your project. You may represent the time schedule of your project in terms of Gantt chart.

CONCLUSION, LIMITATIONS AND FUTURE WORK

CHAPTER 8

This chapter includes the limitaions and further future enhancements of your projects.

REFERENCES

The arguments in the project should be supported by proper evidences. This needs to be done by referring to earlier publications such as patents, journals, books, reports, thesis and other materials. Hence, referencing gives credit to the authors or organizations for using their work in your thesis. It provides the reader with evidence of the breadth and depth of researchers reading and enables readers to locate the references easily.

It is strongly recommended to follow the *IEEE referencing* format for the project. The referencing should be consistent on *IEEE referencing*.

APPENDIX