

PROJECT PROPOSAL TEMPLATE

by

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A PROJECT PROPOSAL

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PROJECT PROPOSAL TEMPLATE

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A simple test of using nuthesis, which demonstrates most of the options the class has.

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Contents

Contents	vii
List of Figures	ix
List of Tables	xi
1 Introduction	1
1.1 Problem statement	1
1.2 Goals and Requirements	2
1.3 Motivation	2
2 Background	3
3 Proposal	5
4 Testing/Evaluation Plan	7
5 Conclusion	9
A Some Tables and Figures	11
B Some Math	13

C	\LaTeX 'isms'	15
D	Displaying Code	17
E	Testing, 1, 2, 3, ...	19
	Bibliography	21

List of Figures

A.1	Arma virumque cano, Troiae qui primus ab oris Italiam, fato profugus, Laviniaque venit litora, multum ille et terris iactatus et alto vi superum saevae memorem Iunonis ob iram	12
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List of Tables

A.1	Arma virumque cano, Troiae qui primus ab oris Italiam, fato profugus, Laviniaque venit litora, multum ille et terris iactatus et alto vi superum saevae memorem Iunonis ob iram	11
A.2	Arma virumque cano, Troiae qui primus ab oris Italiam, fato profugus, Laviniaque venit litora, multum ille et terris iactatus et alto vi superum saevae memorem Iunonis ob iram	11

Chapter 1

Introduction

The introduction exists to motivate the reader to read the rest of your document. It should incorporate the following elements:

- Problem Statement
- Specific project goals/requirements
- Motivation for and/or benefits of the project

1.1 Problem statement

This does not need to be a separate section and should be part of the text that follows your Chapter heading.

A problem statement is a clear, concise, and focused description of the issue or challenge that the research or project addresses. It identifies a gap in knowledge or technology and explains the significance of solving the problem. This statement serves as the foundation for the entire research or project, guiding the direction, objectives and methodology. It typically includes:

1. Context: The background of the problem, including the current situation and the conditions that led to the problem.
2. Specific problem: Identifies the core issue or question the research or project seeks to answer or address.
3. Justification/Motivation: Explains why this problem is important and why it deserves attention, often highlighting the potential impact and implications.
4. Objectives: Defines the goals that the research or project aims to achieve.

Example 1.1.1. Despite the growing availability of electronic cars, rural users still struggle with the availability of charging stations and charging time constraints entailed in the greater distances traveled. This research aims to identify the distinguishing factors that make electronic vehicles impractical for temporally intensive applications often found in rural areas and the obstacles that must be overcome make such applications practical.

1.2 Goals and Requirements

You should incorporate your vision of the project and delineate the elements that your project requires.

1.3 Motivation

Make sure you include motivation for your project. You should answer the question: Why is this important?

There is no reason to follow the form that I have given here. Although these things often follow in sequence, you do not need separate sections for each one.

Chapter 2

Background

Include a brief synopsis of the works built on. Clearly identify the missing elements from other project/thesis that you will create/expand/explore. This should reflect the research that you have done to date; and that research should clearly show that your chosen project/thesis meets the requirements. Summarize your knowledge with charts, tables and graphs where appropriate. To put this succinctly:

- Review of the appropriate literature
- Summary of known similar implementations of the project

Chapter 3

Proposal

The proposal chapter should include the following information:

- Description of the proposed solution/approach
- Delineation of major tasks/milestones
- Description of the expected final deliverables
- List of the software/hardware needed for completing this project and its evaluation

Chapter 4

Testing/Evaluation Plan

The testing/evaluation chapter should include the following information:

- List of target results/outcomes based on project requirements
- Description of the specific measure, target value, and testing plan that will be used to assess attainment for each target result
- Description of the method of evaluating the success of the project

Chapter 5

Conclusion

The conclusion summarizes your proposal as follows:

- Summary of the problem statement and project goals
- Summary of the proposed solution and expected outcomes/deliverables

The template given is a typical one and some variations in organization can be made but should be done in consultation with your major advisor. For additional information consult the Turabian [\[1\]](#).

Appendix A

Some Tables and Figures

First	Last
Ned	Hummel
Ned	Hummel
Ned	Hummel

Table A.1: Arma virumque cano, Troiae qui primus ab oris Italiam, fato profugus, Laviniaque venit litora, multum ille et terris iactatus et alto vi superum saevae memorem Iunonis ob iram

- ✓ Foo
- ✓ Foo
- ✓ Foo

Table A.2: Arma virumque cano, Troiae qui primus ab oris Italiam, fato profugus, Laviniaque venit litora, multum ille et terris iactatus et alto vi superum saevae memorem Iunonis ob iram

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the



Figure A.1: Arma virumque cano, Troiae qui primus ab oris Italiam, fato profugus, Laviniaque venit litora, multum ille et terris iactatus et alto vi superum saevae memorem Iunonis ob iram

1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, *consectetur*, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem Ipsum, "Lorem ipsum dolor sit amet..", comes from a line in section 1.10.32. [2]

Appendix B

Some Math

This is a triviality, but we include it for completeness.

$$\int_0^\infty f(x) dx = \begin{cases} 1 & \text{if } f = \delta, \\ 0 & \text{if } f = 0. \end{cases} \quad (\text{B.1})$$

Here is an aligned set of equations.

$$f(x) = f(x) \cdot 1 \quad (\text{B.2})$$

$$= f(x) \cdot (2 - 1) \quad (\text{B.3})$$

$$= f(x) \quad (\text{B.4})$$

The clever step is (B.3).

Appendix C

L^AT_EX 'isms'

Although you are free to use any system you like, this repository is built to use Visual Studio Code with the LaTeX workshop extension. An additional “settings.json” file has been added to properly clean your document. (Ctrl+Shift+P, type “Clean up auxiliary files” and press enter). Please do clean your project before attempting to push updates to your Git repository. In case you chose not to follow that advice, a “.gitignore” file has been added to the repository to ignore the auxiliary files.

You can drop this into Overleaf and use Grammarly there (recommended), but for Visual Studio Code, we installed the L^AT_EX+ extension.

Appendix D

Displaying Code

Really this should only occur in an Appendix! So here it is: use the listings package (see the `\input{listings.tex}` file included for setting up the package).

```
1 using System;
2 namespace Example;
3 public class Sample
4 {
5     public static void main(String[] args) {
6         Console.WriteLine("Hello, World!");
7     }
8 }
```

Listing D.1: A simple example of code.

Appendix E

Testing, 1, 2, 3, ...

This has been a test of the thesis typesetting system. Had this been an actual thesis, this would have been preceded by an actual thesis.

Bibliography

- [1] K. L. Turabian, *A Manual for Writers of Research Papers, Theses, and Dissertations*, 9th ed., W. C. Booth, G. G. Colomb, J. M. Williams, J. Bizup, and W. T. FitzGerald, Eds. The University of Chicago Press, 2018. 5
- [2] Lorum ipsum. [Online]. Available: <http://www.lipsum.com/> A