***Project Name***

Proposal, Technical Project

Plan X

to be presented on *[presentation date]*

***[Student Name]***

***[Client name]***

***[Contact address]***

***[Contact phone]***

 ***[Contact email]***

Option: XXXXXXXXXXXXXX

Advisor: XXXXX

This proposal is submitted to the Computer and Information Science faculty in partial fulfillment for the degree

Master of Science in Computer and Information Science.

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# Introduction

*[Immediately indicate whether a Plan A or Plan B technical project is to be pursued.]*

*Summarize briefly the problem, project objective, and expected benefits of the technical proposal.*

*In your summary statement, indicate why the work requires 6-credits of effort, if a Plan A is pursued.]*

##  Problem Statement

|  |  |
| --- | --- |
| Element | Description |
| The problem of ... | Describe the problem |
| Affects ... | Identify stakeholders affected by the problem |
| And results in ... | Describe the impact of this problem on stakeholders and business activity |
| Benefits of a solution ... | Indicate the proposed solution and list a few key benefits |

## Background

*[Describe the background information about the project, including the description of the current solutions and the problems you have discovered.]*

## Needs STATEMENT

*[State short-comings apparent in current organization or system to be addressed by the project.]*

## OBJECTIVE

*[Identify changes desired to be seen upon completion of effort.]*

# Proposed TECHNICAL APPROACH

*[Define clearly a well thought-out and solid technical plan for applying information technology to the proposed project. This section should include a description of the methodology to be used to complete the project, a specific plan for gathering requirements, an architecture design, best practice for implementation, and quality assurance.]*

## Requirements

*[Present the requirements as understood at this time through contacts with the stakeholder. Include a high-level diagram such as a use case system diagram or block diagram to capture the situation being addressed.]*

## Architecture Design

*[Explain the technology to be used in the project. Describe hardware, software, or network components as relevant and as understood at this time. Draw a high-level architecture diagram to illustrate the proposed system components and the relationships between them. ]*

*[OPTIONAL CONTENT: Include an as-is system or block diagram.]*

## Implementation DESIGN

*[Describe your methodology for implementation.]*

*[OPTIONAL CONTENT: Include a best-practice approach to be followed.]*

## Quality Assurance Plan

*[Describe the potential risks related to the software quality. Provide the project management plan to enable quality. Describe the salient, planned testing considerations.]*

*[OPTIONAL CONTENT: Include any analysis plan for usability and acceptance testing.]*

# Expected Project Results

[List deliverables expected to be produced for the project, for the CIS Department, and for the stakeholder.]

[OPTIONAL CONTENT: Identification of any currently operational aspects of the project and how the behavior would change.]

 *[OPTIONAL CONTENT: Itemize expected, measurable results of the effort.]*

## MEASURES of SUCCESS

*[Describe an assessment plan to identify the degree of achievement obtained by the operation of the project. List a measure, its relevancy to the organization, its current value, and its projected improved value. A measure should also correspond to the stated objectives of the project.]*

# Schedule

*[Attach schedule.]*