UNIVERSITY OF LA VERNE

LA VERNE, CALIFORNIA

Spring 2018

SENIOR PROJECT PROPOSAL

**TITLE**

A SENIOR PROJECT SUBMITTED TO:

THE FACULTY OF

COMPUTER SCIENCE AND COMPUTER ENGINEERING

IN CANDIDANCY FOR THE DEGREE OF

BACHELORS OF SCIENCE

YOUR CONCENTRATION

BY

FIRST LAST NAME

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# Personal background

Include who you are, your concentration and why you got interested in the topic. Use the first person reference only in this section. The remaining section should have the third person references.

# Introduction

What is your proposal about?

# Organizational overview

If you are working and the project is going to be implemented in the company, provide some information about the company.

# Problem statement and the scope of the project

A problem statement should describe the problem, describe its causes, and identify potential approaches or solutions to the problem through the use of literature reviews. So, explain the current problem(s) and how your project will solve it, define the goal and the scope of your project.

# Description of the current system

* 1. Explain the current hardware/software used by the company
  2. Provide the website link if you are going to improved the website/web design etc.
  3. Include if appropriate for your project:
     + Underlying business processes
     + Hardware
     + Software (application and system)
     + System processes
     + Information
     + System interfaces

# Description of the Proposed System

* 1. Describe the proposed system

# Requirements for the proposed system design

* 1. Include if appropriate for your project:
     + Underlying business processes
     + Hardware
     + Software (application and system)
     + System processes
     + Information
     + System interfaces
     + Software tools needed
     + Functional requirements

# Implementation plan

Use software engineering techniques and computer science principles to develop software as follows:

1. Analyzing of specifying requirements. These requirements include software, hardware, physical, and **functional** requirements. Designing a software or hardware or information solution to the requirements specification. Use the functional flowchart to describe the functional requirements.

2. Implementing the design. Describe how the objectives will be achieved and the tasks you will perform.

3. Testing and integrating (the programs or device components). Describe what will be tested and how.

4. Writing the required documents e.g. user manual or training manual.

5. Illustrate a project in action if the demo is accessible.

6. Submitting complete documentation, the software and the hardware description.

Examples of software development projects are: web design, web applications, software development aids, user interface tools, Internet applications, and various business or scientific application programs. Some development projects may interact with a special hardware environment. Examples are: program debuggers, device drivers, network systems, code generators and linkage editors.

# Request for support from the company if needed

* 1. Hardware
  2. Software
  3. Need to learn and study

# Development time frame and cost

The schedule is a significant part of the project. It defines what you intend to do and when you plan to do it. You should consider how long each activity will take, which activities must precede others, and how much overlap is possible or desirable. The schedule identifies tasks to be performed, milestones to be met, and the estimated number of hours for each task.



# Primary contact person include

Name

Address

Phone number

E-mail

# Approvals

Name: Dr. Ahmad Abu Shanab Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_

Name: Dr. Ray Ahmadnia Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_

Name: Dr. Jozef Goetz Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_

Name: Dr. Seta Whitby Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_

Please read the Final\_Report\_Template.doc before preparing this document and try to reuse the above document later when you prepare the Final\_Report\_Template.doc.

**Format**

1. **Spacing:**

The standard margins should be used for each page (1 inch for top and bottom, 1.5 inch on the left and 1 inch on the right). Use the 12-point type.

1. **Justification**

The body of the paper should be either left justified of fully justified. The section headings should be on separate lines, with one line above and below each heading. The sub-section headings should be left justified, with one line above each sub-section heading.

1. **Font size**

The acceptable font size for the body is 12 points. Section headings should be 14-points, bold-faced, in the same font as the body of the paper. Sub-section headings should be 12-points, bold-faced, in the same font as the body of the paper. Use the **Times New Roman** font type.