**Computer Science Senior Project Document Description**

**CSC 498 and CSC 499**

In addition to any work products such as programs, scripts, data sets, output data, etc., every project and research effort must write a report. The following outline is aligned with the course rubrics for each course, CSC 498 and 499.

Throughout the 498 and 499 semesters, the project document will be under development.

Characteristics of a Senior Project: While specific requirements vary from advisor to advisor, several factors make something suitable for a senior project. Be sure to consult your own advisor for individual requirements.

* **Independence** A senior project should be a discrete unit. There should be a well-defined beginning and end to the project and clearly-defined criteria for success or failure.
* **Ownership** The student needs to be primarily responsible for the project. This means the student is directly responsible for the project’s success or failure.
* **Background Research** The project requires investigation before implementation. Things to consider: How have others approached this problem? What new techniques or technologies must the student learn (or invent) to successfully complete this work?
* **Creativity** The project should require creativity. Meaning the solution should not be obvious.

The following pages should be copied to create the project document.

The document shall have a Table of Contents

The paragraphs shall be double-spaced Calibri (Body) 11pt.

The margins shall be 1” on all sides.

For charts, graphs, plots, etc., color is encouraged. Use these where appropriate to document findings concisely and clearly.

Use Grammarly!

**TITLE OF THE PROJECT/RESEARCH EFFORT**

A (Project, Thesis – pick one)

Presented to

the Faculty of the Computing and Mathematics Department

Oral Roberts University

In partial fulfillment of the requirements for the degree of

Bachelor of Science, Computer Science, put concentration name here

Prepared by

*Your name, first, then last*

*Date*

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# **PROJECT DESCRIPTION**

The specifics may vary according to the project and advisor, but the proposal should be approximately one page (no more than two) and should include the following components.

For a project:

* A statement of the problem the project is intended to solve.
* An outline of the general scope of the work, including specific anticipated milestones and deliverables, and a tentative schedule.
* A list of any special equipment or facilities that will be needed.
* A description of how the proposed project satisfies the criteria outlined above.

For a research paper:

* Briefly describe and explain your research topic and its importance. You should describe why you think this topic is particularly relevant and why it is an important area of study. In other words, who would benefit from having the results of your paper/project?
* Clearly present and explain your central research question (idea).
* Identify your data source(s) and method of analysis. How will you collect your information/data and what will you do with it? Will you be analyzing texts? Will you be performing an experiment? Will you be analyzing existing data/information from another source (experimental, theoretical)?
* Explain why these sources of data are appropriate for your research question/topic and how they will help you answer your question.

In either case:

* Identify the subject matter experts that you have secured.
* If the project is to be a group project, the description should also address:
  + The division of responsibilities among group members, and
  + A means of evaluating the individual contribution of each member.

# **MOTIVATION**

Text goes here.

# **OBJECTIVES**

Text goes here.

# **BACKGROUND: PRIOR and OTHER CURRENT WORK**

Text goes here.

# **REQUIREMENTS (project) or HYPOTHESIS (research)**

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# **PROFESSIONAL RESPONSIBILITY ASSESSMENT**

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# **REFERENCES**

Text goes here.