Software Development Fourth Year Project

**Format for Project Proposal**

# Introduction

The outline proposal describes the research, investigation and ‘hands on’ work which you propose to undertake. In writing your proposal the level of detail should be sufficient so that the reader can understand clearly the nature of your project.

Your proposal must have a title page which also has the abstract on it. An Abstract is a brief overview of the project (max 100 words). After the title page your proposal must have a Project Description. The project description should have two parts as detailed below. (Max two pages for project description)

Use the format details below:

**Title Page**

Format for the Title Page – **Outline Proposal V1.0 for** …(Include your project title a working title is ok at this stage), Student Name , Date, Name of Project supervisor, Abstract

Note: The maximum no of words for all of the abstract is 100 words **and the abstract must fit on the title page.**

**Project Description**

– Include 2 parts: **Part A** is a concise description of research & investigation part of your project. Consideration of the following questions may be helpful in writing up part A:

* What areas is your literature review going to cover?
* What technologies is your project going to utilize?
* What areas are you going to have to research and become familiar with to be able to employ the identified technologies?
* What is your rationale for undertaking this project?

The following **may** apply:

* What Open Source software do you plan to employ?
* What companies or organisations are involved and what is the nature of the involvement?
* What comparative study do you plan to undertake?

**Part B** is a concise description of the Software Development, Demonstration, or ‘hands on’ work of your project. Consideration of the following questions may be helpful in writing up part B.

* What is the nature of the software you intend to build and what platform?
* Is it a standalone application?
* Will your software integrate with other systems? If so explain.
* Can you give an overview of the architectural design?
* Where have the requirements come from?
* What data is used/presented? What is the source of the data?
* Is it a simulation?
* What software engineering approach do you intend to use? Is it exploratory programming?
* What is your approach to testing the application?
* Is there similar (or related) Open Source or commercial software available?
* What hardware and software do you need to undertake this project and do you have access to what you need?