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Project title not yet defined

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Master of Artificial Intelligence.

Abstract

Also undecided at this time and will be filled in later.

Chapter 1

Introduction

In this section you should include a very brief introduction to the problem to the problem and the project.

Your project proposal should cover the following points:

- the engineering problem that you are going to solve;
- how you plan to solve your problem;
- how you intend to evaluate your solution; and
- any resource requirements for your project such as software, hardware or other resources that will be needed in the course of the project.

I am going to cite [1]
Your proposal should be not more than than 3 pages long.

1.1 The Problem

In this section you should give a brief description of the problem itself. You want to briefly explain the problem, why it is important to solve the problem and define your project aims. After reading this section, the reader should understand why it is a problem, believe that it is important to solve and have a clear idea of the aims of your project.

When describing the aims of the project, you should avoid vague, unmeasurable words like 'analyse', 'investigate', 'describe', and use specific, measurable words like 'implement', 'demonstrate', 'show', 'prove'.

For example:

Good The aim of this project is to implement and evaluate a management system for network switches;

is much better than:

Bad The aim of this project is to investigate management systems for network switches.

In the second case there is no idea of how much work is involved, and you will never know whether you have finished. You and your supervisor (and the markers of your project) may have very different ideas about what such an 'investigation' involves. Of course, it is possible that the task you set yourself is not achievable, but if you are clear from the outset this is less likely, and will more easily be corrected.

Chapter 2

Background

Testing testing 123

Chapter 3

Project Proposal

3. Proposed Solution

In this section you will explain how solve the problem, that is, how you intend to carry the project out. At this early stage you need to be both clear about what you are going to do and flexible enough to adapt to changing circumstances. Making an early plan will not prevent you from running into trouble, but it will help you identify possible problems early. For example, if you intended to run an experiment in HCI, you might realise early on that there would be problems gathering sufficient data to get reliable results, and that you should re-design your experiment.

Part of the planning process involves producing a timetable for when the work is actually going to be done.

Each part of the project should produce some output. For example you might plan on spending two weeks on background reading: the output of this will be a bibliography, and a possibly a literature survey for your report. Indeed, if you take the advice given above about having specific, measurable goals, you should describe this part of your project as:

Good Produce bibliography (est: 2 weeks)

rather than

Bad Background reading (est: 2 weeks)

Note that the methodology you outline here is dependent upon the type of project and engineering area. You must talk to your supervisor about this.

4. Evaluating your Solution

In this section you will explain how you will evaluate your solution once you have built it. The method of evaluation will be domain specific. Your supervisor should provide guidance as to what is an appropriate form of evaluation. For example, user testing for a HCI project or performance measurement for a Network Engineering project.

5. Resource Requirements

In this section you will detail any resource requirements such as hardware, software or access to subjects.

Bibliography

[1] Bai, Y., Kadavath, S., Kundu, S., Askell, A., Kernion, J., Jones, A., Chen, A., Goldie, A., Mirhoseini, A., McKinnon, C., Chen, C., Olsson, C., Olah, C., Hernandez, D., Drain, D., Ganguli, D., Li, D., Tran-Johnson, E., Perez, E., Kerr, J., Mueller, J., Ladish, J., Landau, J., Ndousse, K., Lukosuite, K., Lovitt, L., Sellitto, M., Elhage, N., Schiefer, N., Mercado, N., DasSarma, N., Lasenby, R., Larson, R., Ringer, S., Johnston, S., Kravec, S., Showk, S. E., Fort, S., Lanham, T., Telleen-Lawton, T., Conerly, T., Henighan, T., Hume, T., Bowman, S. R., Hatfield-Dodds, Z., Mann, B., Amodei, D., Joseph, N., McCandlish, S., Brown, T., and Kaplan, J. Constitutional AI: Harmlessness from AI Feedback, Dec. 2022.