Abstract
This is a short description of our C-level dissertation.

1 Motivation
1.1 CGI
The company want to explore new technologies to be on front line of the industry. The area of the project is entirely new to the company.

1.2 Students
The students find the project very exciting and interesting because of the mixture of working with both software and hardware. This is an opportunity to attain a more advanced knowledge of the Linux environment.

2 Goals, Areas and Operations
The goal of the exam-project is to create a functioning prototype of a Raspberry Pi-based beowulf cluster that is possible to extend in the future. Employment of several areas of computer science are needed to achieve the goal. Areas of interest; hardware, Linux operating system and setup of different frameworks and performance evaluation by writing basic programs with the aforementioned frameworks.

3 Operations and Reasonability Assessment
The main points of operation can be summerized as:
- Building of the Raspberry Pi rack.
- Setup of the Linux operating system with all the required frameworks.
- Performance evaluation

The time estimation is expected to be fairly even between these points. The sum of these with additional time for the essay etc. is estimated to be a good fit for the time at hand.

4 Employer
The supervisor on CGI is Jonas Forman. He can be reached through his email jonas.forman@cgi.com. During the project Jonas will be available for most of the time for questions and help. The equipment will be provided by CGI.

5 Supervisor on university
For the dissertation supervisor Donald F Ross would be a wonderful supervisor. He is very good to talk to and discuss problems with. He has always a good eye for things and always tries to help the students in the right direction. As a second option we would like to be supervised by Hans Hedbom.