

# Friend search for distributed social networks

Sebastian Probst Eide, St Edmunds College

Originator: Sebastian Probst Eide

4 October 2010

## **Special Resources Required**

File space on Thor – 25Mbytes

Account on the DEC Workstations – 15Mbytes

An account on Ouse

The use of my own IBM PC (1000MHz Pentium, 200Mb RAM and 40Gb Disk).

**Project Supervisor:** Dr M. Richards

**Director of Studies:** Dr M. Richards

**Project Overseers:** Dr F. H. King & Dr S. W. Moore

## Introduction

Many students write their CST and Diploma dissertations in  $\text{\LaTeX}$  and spend a fair amount of time learning just how to do that. The purpose of this project is to write a demonstration dissertation that explains in detail how it is done and how the result can be given to the Bookshop on an MSDOS floppy disk for printing and binding.

## Work that has to be done

The project breaks down into the following main sections:-

1. The construction of a skeleton dissertation with the required structure. This involves writing the Makefile and making dummy files for the title page, the proforma, chapters 1 to 5, the appendices and the proposal.
2. Filling in the details required in the cover page and proforma.
3. Writing the contents of chapters 1 to 5, including examples of common  $\text{\LaTeX}$  constructs.
4. Adding an example of how to use floating figures and encapsulated postscript diagrams.

## Difficulties to Overcome

The following main learning tasks will have to be undertaken before the project can be started:

- To learn  $\text{\LaTeX}$  and its use on Thor.
- To discover how to incorporate encapsulated postscript into a  $\text{\LaTeX}$  document, and to find a suitable drawing package on Thor to recommend.
- To discover what format the Bookshop would like for the finished dissertation, and how to deal with postscript files that are too large to fit on a single floppy disk.

## Starting Point

I have a reasonable working knowledge of  $\text{\LaTeX}$  and have convenient access to Thor using an IBM PC in my office. Writing MSDOS disks is no problem.

## **Resources**

This project requires little file space so 25Mbytes of disk space on Thor should be sufficient. I plan to use my own IBM PC to write floppy disks, but could use the PWF PCs if my own machine breaks down.

Backup will be on floppy disks.

## **Work Plan**

Planned starting date is 01/12/2000.

### **Michaelmas Term**

By the end of this term I intend to have completed the learning tasks outlined in the relevant section.

### **Lent Term**

By the division of term the overall structure of the dissertation will have been written and tested.

By the end of term, example figures using encapsulated postscript will have been included.

### **Easter Term**

On completion of the exams I will incorporate final details into the dissertation including a bibliography using bibtex and a table of contents. The estimated completion date being 25/07/2001 to allow plenty of time should any unforeseen problems arise.