Liturature Survey   **Alex Gillies, LLLL76**
Project Title: Engima and BOMBE simulation
Supervisor: Matthew Johnson
Degree: Computer Science

Structure

page 1 - Project title; Student and Supervisor names
Definition of problem background/environment/themes.
Definition of terms.
pages 2-4 - Important issues of identified themes from results of reading.
page 5 - Proposed direction of project.
page 6 - Conclusions and references.

Definition of Problem Background, Environment and Themes (Page 1)

- how parallel computing could be used to address limitations with BOMBE
- History of Alan Turing?
- defintion of encoding/decoding and other cryptographic words

- encoding
- cipher
- history of Enigma
- history of BOMBE
- how they relate

Issues Identified in Texts (Page 2-4)

- definitions of the individual components of enigma
- definition of Enigma
- how it works exactly
- limitations of Enigma
- defintions of individual components of BOMBE
- definition of BOMBE
- how it works exactly
- limitations of BOMBE
- definition of parallel computation/programming/etc.
- the methods in which parallelization can be applied to BOMBE
- how parallel computing could be used to address limitations with BOMBE

Proposed Direction of the Project (Page 5)

- basic making and testing of both enigma and BOMBE
- paralleize BOMBE (possibly in two different ways) and test
- elaborate on this and make sure that the requ spec is mentioned

Conclusion (Page 6)

Ask what goes in this section when the first draft is sent, all bullet points should be done at this point.

References

- https://en.wikipedia.org/wiki/Parallel_computing
- https://en.wikipedia.org/wiki/Enigma_machine
- https://en.wikipedia.org/wiki/Bombe

edits

look at references on the webpage
maybe look at wikipedia references