UNIVERSITÄT PADERBORN
Die Universität der Informationsgesellschaft

Titel

Bachelor's Thesis Proposal
by Autor

Arbeitsgruppe
Codes und Kryptographie

1 Introduction

This template contains some hints of what to write in each section. *This is just an example.* There are good reasons to deviate from it. These are just some ideas to get started.

For the introduction:

- What general topic are we interested in, why does it matter (e.g., where is it used, what problem does it solve)?

- Explain some more background for the topic, help the reader (who may have never heard of the topic) understand what you are talking about.

(Tip: make such a bullet point list for yourself (with more concrete talking points) for all sections, *then* start writing text)

2 Current state of research

Explain what the current state of the topic is. This depends a lot on the concrete topic. For example, you could write about:

- What is a trivial (not suboptimal) way to solve x?

- How is x usually solved in practice?

- What are typical ingredients/techniques to construct the systems we are interested in?

- How does [**testref**] solve the problem?

- What does the algorithm in **testref** do (roughly)?

- . . .

3 Goals of the thesis

- What's the problem with existing solutions? (i.e. with the stuff you explained in the previous section)

- What's the goal of the thesis in a nutshell? (Probably: solve that problem/analyze the solution suggested by Eti [**testref**]/compare potential solutions/. . .)

- Then go into detail. What are the specifics of what you are going to do? Explain intermediate goals.

- Explain optional goals.

4 Preliminary outline of the thesis

Show your current plan for the outline ($\approx$ table of contents) of your thesis. A hierarchical list of section names suffices. Example:

1. Introduction

2. Definitions and notation

3. First topic

   a) First subsection

   b) . . .

4. . . .

After reading the *Goals* section, the reader should be able to understand what you're planning here.

5 Work plan

How do you plan to spend your 21 weeks of work on the thesis? For a fancy Gantt chart, consider using the `pgfgantt` package. If done well, a bullet point list is also sufficient.

Date:

Prof. Dr. Johannes Blömer   Autor