

Structure of a BSc. / MSc. Project or Thesis in  
Computing Science / Information Science  
Work-in-progress Description

Your Name

Version of December 16, 2019

**1 Title of the Project / Thesis**

- Descriptive title of the project / thesis; not too specific

**2 Motivation and Research Question (Short Version of what is described below)**

- Starting point / initial position
- Scientific and practical question
- Expected usage
- Result qualification / quantification / measuring
- Metrics for evaluating project success
- ...

**3 Starting Position**

- Preliminary work (own and related work)
- Assumptions
- Data (Source, Description, Type)
- ...

## 4 Originality and innovative character

### 4.1 Impact: Why is this research important for the Society and or Research Community

- State the project's overall objective and broad vision.
- “Added Value”: What is the benefit of your project to the research field? Which parts open new new research questions or future work?
- From a conceptual point of view: what is new and important besides your implementation / system / concrete application?

### 4.2 Delineation: What will not be considered? And Why?

- Enumeration of special cases, algorithms, etc., which are not explicitly considered
- Delineation, show the “Novelty” part of the thesis in comparison to existing techniques

## 5 Goals

- Primary (Must-Have) Goals
  - Operationalized description of the main goals of this project and thesis (methodical and practical)
  - Deploy assessment criteria of your method: technical or methodical novelty, efficiency, effectiveness, etc.
  - Rough estimation of expenditure of time; list of possible risks (what is difficult? what might be irresolvable?) Which sub-projects may fail? Are there alternatives?
- Desired goals / Future work for bachelor / master thesis
  - What else can be considered in the project (with low priority)?
  - In which sub-projects can we (unexpectedly?) receive nice results?

## 6 Literature Research / Related Work

- Description of keywords used for the literature search
- Listing of known literature: books, survey papers, fundamental works, and current publications (state of the art approaches)
- Develop a mental-model and structure of the field

## **7 Working Schedule**

- Write it down
- Milestones and time schedule

## **8 Literature**

- Listing of read literature and main contribution / idea
- Build the foundation of the related work part of the project and thesis