

Chapter	Section	From where? Question-Input		How? Method	What? Target-Description
0	IT-based Automatic Text Summarization with the use of Text Generation Methods	State of the Art and design of a prototype			
1	Introduction	1.1	Structure of this Thesis	1. Presentation of the state of the art of Text Generators and Text Summarizers. 2. Study of the relevant aspects of Text Generation and programming of an IT-based Text Summarizer prototype.	1. State of the art technical elaboration. 2. Programming of a prototypical algorithm that generates a summary for a given review input
		1.2	Machine Learning	1. Brief overview over the thesis 2. Short but detailed introduction to all Chapters of this thesis.	1. Pointing out the fundamental points 2. Answer to the question, why my bachelor thesis makes sense and what is my motivation for
		1.3	Case study	1. Presentation of all relevant aspects that belong to Text Summarization	1. Zoom-In introduction from Artificial Intelligence into Text Summarization
		1.3	Case study	1. Research on the current and planned Text Summarizer, in the field of word processing.	1. Explanation through an interesting easy introduction.
2	Evolutionary View on the State of the Art	2.1	Text Generation Concepts	1. Research on the relevant aspects of state of the art research chronologically at different time steps for this topic.	1. Description of the application-oriented models for this topics using formulas and explanations.
		2.2	Advanced Approaches for Text Generation	1. Literature research of the Text Generation history (~60 years). 2. Literature research of current papers	1. Presentation of the history of Text Generation in the form of a chronological sequence. 2. Use of the first technologies
		2.3	Text Summarization Concepts	1. Research on the relevant aspects of state of the art research chronologically at different time steps for this topic.	1. Description of the application-oriented models for this topics using formulas and explanations.
		2.4	Advanced Approaches for Text Summary	1. Literature research of the Text Generation history (~40 years). 2. Literature research of current papers	1. Presentation of the history of Text Summary in the form of a chronological sequence. 2. Use of the first technologies
3	Prototype	3.1	Objective	1. Reverse Engineering 2. Classification and analysis of possible results, e.g. whether the output is grammatically correct.	1. Explanation of the scope of my prototype. 2. Collection and classification of requirements for the algorithm and its output.
				1. Creation of a technical concept 2. Modeling Algorithm 3. Process Modeling 4. Data flow modeling and, or data modeling	1. Technical concept completed. 2. The prototype is modelled without IT reference on the basis of various submodels. 3. The individual processes are modelled without a concrete implementation proposal. 4. Data processing visualized
		3.2	Technical concept	1. How is my prototype structured? 2. Which algorithms do I use? 3. Which processes does the data go through? 4. How is the data processed?	
		3.3	Implementation	1. Which technologies do I use for my prototype: - "What Python libraries and IDE?" - "What are the HW & SW requirements?"	1. Creation of an IT concept in the form of a description of the necessary technical means using sub-models
		3.4	Evaluation	1. How is the output of the prototype evaluated, e.g. with which metrics? 2. How to evaluate the quality of the output? 3. How can the algorithm be improved?	1. Evaluation and analysis of the result based on grammatical correctness and meaning. 2. Compare better results with my result. 3. Evaluate possible optimization techniques (Chapter 2) for my prototype.
4	Transferable knowledge	4.1		Generalization from the results obtained so far.	Placing the evaluation results in a social context.