**1. Introduction (2 minutes)**

* **Greeting and Introduction**: Briefly introduce yourself and your thesis topic.
* **Thesis Title**: Present the title of your thesis.
* **Overview**: Outline the key points you will cover in the presentation.

**2. Motivation and Problem Statement (3 minutes)**

* **Motivation**: Use the example discussed earlier (Alex and his smart home challenges).
* **Problem Statement**: Clearly articulate the main problems: lack of transparency, complexity, and data overload.

**3. Goal of the Thesis (2 minutes)**

* **Clear Statement of Goal**: Explain the primary goal of your thesis, which is to develop a chatbot to enhance explainability in smart homes.

**4. Relation to the State of the Art (3 minutes)**

* **Current State of Smart Home Technologies**: Briefly describe the existing technologies and their limitations.
* **Explainability and NLP**: Discuss the importance of explainability in smart home systems and the role of natural language processing.
* **Related Work**: Mention key research and solutions that have influenced your work.

**5. Conducted Work and Applied Methods (3 minutes)**

* **Research Approach**: Describe the iterative development process.
* **Intent Engineering**: Explain how you defined user intents.
* **Preliminary Research**: Summarize findings from user interviews and surveys.
* **Prototype Design and Implementation**: Provide an overview of the design and implementation phases.

**6. In-Depth Presentation of Selected Results (4 minutes)**

* **Chatbot Concept**: Explain the main components of the chatbot.
* **User Interface**: Show mockups or screenshots of the chatbot interface.
* **Evaluation Method**: Describe the evaluation methodology, including user studies and performance metrics.
* **Results**: Present key findings from the evaluations.
* **User Feedback**: Share qualitative feedback from users.

**7. Limitations and Threats to Validity (2 minutes)**

* **Technical Challenges**: Highlight key technical challenges and how you addressed them.
* **Limitations**: Discuss the limitations of your research, such as sample size or generalizability.
* **Threats to Validity**: Acknowledge potential biases or threats to the validity of your findings.

**8. Future Work (2 minutes)**

* **Future Research Directions**: Suggest areas for future research and potential improvements.
* **Enhancements**: Mention any planned or potential enhancements to the chatbot system.

**9. Conclusion (1 minute)**

* **Summary of Findings**: Summarize the main findings of your research.
* **Contributions**: Highlight the contributions of your thesis to the field.
* **Final Remarks**: Thank the audience and transition to the Q&A session.